PESTICIDE HANDBOOK

- 2009 -

한국작물보호협회
Korea Crop Protection Association

FOREWORD

There are many changes of regulations and polices related to Crop Protection Products over the world. People are more interested in public health and environments than in past. Registrant focus on issues with respect to public health and environment and give various information of safety of CPP; ADI, MRLs etc. in public. I wish that all our efforts should be useful for people and get rid of their misgivings about CPP's safety.

I publish the 21st Pesticide Handbook in this year. It is revised each year(except 1986, 2006)according to the information on newly registered and/or cancelled items and their added and/or deleted uses in Korea since its first release in 1985. This book has all active ingredients and items in Korea by August 2009. 1,329 items and 473 active ingredients in total were registered in Korea.

This includes agrochemical names; Korean Item name, Trade name, Chemical name and major target organisms which were registered by KRDA (Korea Rural Development Administration), while indicating the items and domestically synthesized technical materials and the first registration or re-registration date in Korea for their appropriate application in this field.

For your information, the item names were registered by Korean authority, the chemical names accord to IUPAC name and the abbreviations of formulation type by CropLife International and KRDA classification.

I hope that this book would be some helpful to you. If there are any questions, I am pleased that you invite our website(www.koreacpa.org)

September, 2009

Yeom, Byeong-man
Chairman

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Ⅰ. GUIDE TO READ

○ Pesticides registered by Korean authority as of August 2009
○ Item name(registered by Korean authority) is arranged by alphabetical order.
○ How to read tables.

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1. Item Name in English

Registered item names ingeneral indicate common names agreed by ISO.

2. Classification of Pesticides(abbreviations)

I	Insecticide	F	Fungicide
IF	Insecti-Fungicide	IH	Insecti-Herbicide
H	Herbicide	P	Plant growth regulator
O	Others		

3. Korean Item Name

Registered by Korean authority; Rural Development Adminstration

4. Class

Classes of active ingredient registered in Korea

5. Chemical Name or Strain Source

* stands for IUPAC name
(KMAF or KRDA) indicates notified or registered name in Korea.
As for combination products, refer to each of the products.
* * means Strain Source

6. Registration(Re-registration) Status and main target in Korea

(Ex.) 50WP(aphids진딧물) Mar.'74 or Mar.'74 ~ Oct.'85, Dec.'01(Re)
A.I. Content, FormulationType(MainTarget), Date of initial registration, or
Date of initial registration ~ Date to be abolished., Date of Re-registration
● Import agrochemicals.

7. Trade Name

The trade name shown in Korean indicates the registered trade name in Korea

Ⅱ. ABBREVIATION

1. Companies

○ Full Members

AL	Arysta LifeScience Korea., Ltd.	KN	Kyung Nong Corporation
BY	Bayer CropScience Ltd.	SB	Sung Bo Chemicals Co., Ltd.
CI	CheIl Chemicals Co., Ltd.	SG	HanKook Samgong Co., Ltd.
DB	Dong Bang Agro Corporation	SH	Seo Han Chemical Co., Ltd.
DF	Dong Bu Fine Chemicals Co., Ltd	SM	SMBT Co., Ltd.
DHT	DongBu HiTek Co, Ltd.	SY	Syngenta Korea Ltd.
EB	EnBiomix Co., Ltd.	YI	Young Il Chemical Co., Ltd.

○ Associate Members

AJ	Ajin Chemical Co., Ltd.	KC	KC Bioscience Co., Ltd
AT	Atlatech Ltd.	MG	Magan Korea Co., Ltd
BASF	BASF Company Ltd.	NS	Nisso Korea Co., Ltd
Dow	Dow AgroScience Int'l Ltd	OD	Odus Co., Ltd.
DP	DuPont (Korea) Inc.	RT	Rotam Korea Inc.
FR	Farmever	SA	Shin Young Agro Co., Ltd
FMC	FMC Korea Ltd.	SDS	SDS Biotech K.K
HS	Hanearl Science Ltd	ST	Sumitomo Chemical Agro Seoul,Ltd.
ISK	ISK Biosciences Korea Ltd.	TJ	Taejun Agrotec Co., Ltd
JK	JK Inc.	UPK	United Phosphorus Korea, Ltd.

○ Others

CK	Si- Chem Corp, Ltd.	KB	Kuk Bo Science Co., Ltd
CW	Chunwoo Moolsan Co.	KO	Korea Bio Co., Ltd.
DA	Du A Chae	KS	Korea Samhyun Co., Ltd
DS	Duson Chemical	MA	Sam A Ltd
DU	Daeyu Company, Ltd.	MI	Sammi chemical Industry
FMT	Future Marketing Technology	RH	Rohm & Haas Korea
GB	Green Biotech Co., Ltd	PK	Pfizer Animal Health Korea, Ltd
HB	Hankook Bio Chemical Co, Ltd	PR	Pureun Industry
JS	JS Chemical Ltd.	UI	Yoo Il Corporation
JU	Jahng Yu Industry, Ltd	WR	Woori Industry

2. Formulation type

	AE	Aerosol Dispenser	연무제
	AL	A liquid to be applied undiluted	직접살포액제
*	CF	Combined formulation	합제
	CG	Encapsulated granule	캡슐제
	CS	Capsule suspension	캡슐현탁제
	DC	Dispersible concentrate	분산성액제
	DL	Driftless dust	저비산분제
	DP	Dustable powder	분제
	DS	Powder for dry seed treatment	분의제,종자처리분제
	DT	Tablet for direct application	직접살포정제
	EC	Emulsifiable concentrate	유제(乳劑)
	EW	Emulsion, oil in water	유탁제
	FG	Finegranule	세립제
	FS	Flowable concentrate for seed treatment	종자처리액상수화제
	FU	Smoke generator	훈연제
	FW	Smoke pellet	과립훈연제
	GA	Gas	훈증제
	GE	Gas generating product	가스발생훈증제
	GG	Macro Granule	대립제
	GM	Irregular granule for microbial pesticide	고상제
	GR	Granule	입제
	GP	Flo-dust	미분제
*	JB	Jumbo	점보제
	ME	Micro-emulsion	미탁제
	MG	Microgranule	미립제
	OL	Oilmiscibleliquid	오일제
	PA	Paste	도포제
*	PF	Polyethylene film containing pesticide	농약함유비닐멀칭제
	SC	Suspension concentrate	액상수화제
	SE	Suspo-emulsion	유현탁제
*	SF	Sheet formulation	판상줄제
	SG	Water soluble granule	입상수용제
	SL	Soluble concentrate	액제
	SO	Spreading oi	수면전개제
	SP	Water soluble powder	수용제
*	SR	Spreader	전착제
*	SX	Suspension product	액상제
	TB	Tablet	정제
*	UG	Up granule(water floating granule)	수면부상성입제
	WT	Water dispersible tablet	마이크로캡슐훈증제
	VP	Vapor releasing product	마이크로캡슐훈증제
*	WF	Wettableflo-dust	수화성미분제
	WG	Water dispersible granules	입상수화제
	WP	Wettable powder	수화제
	WS	Water dispersible powder for slurry seed treatment	수화성분의제, 종자처리수화제
	XX	Others	기타제형

* are no texistedin"pesticide types &international coding system" (CropLife technical monographn°26th edition)

T E X T

Number

1,3-dichloropropene(I) **일삼-디클로로프로펜**

* 1,3-dichloropropene (KMAF)
○ 55GA(soil nematode, 토양선충) Apr.'84 ~ Jun.'85 ○ 92GA(soil nematode, 토양선충) May '88 ~ Mar.'91
Telone, Viden D

1,3-dichloropropene.chloropicrin(I) **일삼-디클로로프로펜.클로로피크린**

○ 74+16.5GA (soil nematoda, 토양선충) Aug.'85 ~ Jun. '91
Telone

1-methlcyclopropene(P) **일-메틸사이클로프로펜**

● 3.3VP(plant growth promoter, 저장성향상) May. '05 : KN, RH ● 0.63GE(plant growth promoter, 저장성향상) Oct. '07 : RH
Smartfresh 스마트프래쉬

NAD(P) **나드**

* 2-(1-naphthyl) acetamide (KMAF)
● 0.4DP(root growth promotor, 발근촉진) Dec.'01(Re) : DF, Jun.'09 : ISK
Dongbu Rootone 동부루톤, Rootone 루톤

2,4-D(H) **이사-디**

Phenoxy
* (2,4-dichlorophenoxy) acetic acid (KMAF)
○ 40SL(paddy field weeds, 논잡초) Dec.'01 : SG
2,4-D acetic acid 이사디아민염

2,4-D ethylester(H) **이사-디에틸에스터**

Phenoxy
* (2,4-dichloro phenoxy) acetic acid ethyl ester (KMAF)
○ 1.4GR(paddy field weeds, 논잡초) Apr.'83~Mar.'91 ○ 18WP(paddy field weeds, 논잡초) Dec.'01(Re) : KN, DB, SG Jan. '04 : BY
Sujoong 2,4-D 수중이사디, Kyungnong 2,4-P 경농이사-피

2,4-D.dicamba(H) **이사-디.디캄바**

○ 31.2+15.5SL(upland weeds, 밭잡초) Feb.'86 ~ Jan.'92
Banvel-D

2,4-D.glyphosate(H) **이사-디.글리포세이트**

○ 6.4+22SL(orchard weeds, 과원잡초) Mar.'96 ~ Dec.'06
Landmaster

4-CPA(P) **사-시피에이**

Auxin
* 4-chlorophenoxyacetic acid
○ 0.15SL(plant growth promoter, 생장촉진) Dec.'01(Re) : DF, DHT, EB
Jungmil Tomatoton정밀도마도톤, Dongbu Tomatoton동부도마도톤, EBM Tomatoton이비엠도마도톤

6-benzyl aminopurine(P) **육-비에이**

Cytokinin
6-benzyl adenine (KMAF), 6-benzylaminopurine(KMAF)
● 3SL(floral inducer, 화아형성촉진) Dec.'97 ~ Dec.'06 : DHT ○ 0.3SL(plant growth promoter, 생장촉진) Jul.'08(Re) : DU, MA, DA, WR Jan.'09(Re) : CI, MI, PR Jul.'09(Re) : YI, EB, UI, DS, ○ 3SL(floral inducer, 화아형성촉진) Jul.'09(Re) : YI Jan.'08(Re) : DU
Gumiai BA 구미아이비에이, Youngil BA 영일비에이, Filltech BA 필택BA, Daeyu-BA 대유비에이, hwanggeumsiru 황금시루, Tongtongi 통통이, Amione 아미원, Duabi 두아비, Suksuki 쑥쑥이, Dekiri 데끼리, Dukerbisiru 두꺼비시루

8-hydroxyquinoline sulfate(F) **팔-하이드록시퀴놀린설페이트**

* bis(8-hydroxy quinolinium) sulphate (KMAF)
○ 0.15PA(canker, 부란병) Feb.'71～May'90

A

abamectin(I) **아바멕틴**

Antibiotics
avermectin B1 [a mixture of avermectins containing ≥80% avermectin B1a (5-O-demethyl avermectin Ala) and ≤20% avermectin B1b (5-O-demethyl-25-de (methyl propyl)-25-(1-methylethyl)avermectin Ala)] (KMAF)
○ 0.6EC(acarina, 응애) May '93 ~ Mar.'95 ● 1.8EC(acarina, 응애) Dec..'06(Re) : KN, SY, RT Dec. '05 : SM Jan. '06 : TJ
Allways, All Star 올스타, Galaxy 겔럭시, Romectin 로멕틴, Index 인덱스, Bertimec 버티멕, Chungdie 충다이

acephate(I) **아세페이트**

Organophosphate
* O, S-dimethyl acetyl phosphoramidothioate (KMAF)
○ 50 WP(aphids, 진딧물) Dec.'01(Re) : KN, DB, DF, DHT, SY, EB, BY, SB, YI Mar.'04: SM ○ 2 DP(soil insects, 토양해충) Mar.'74～Mar.'91 ○ 5 GR(soil insects, 토양해충) Feb.'80～Mar.'94 ○ 23.7EC(aphids, 진딧물) Dec.'01(Re) : KN ● 97 CS(forest insects, 산림해충) May.'89～Dec.'06
Bayer Ortran 바이엘오트란, Ascap 아스캡, Ansangbeul, Kyungnong Acete 경농아시트, Wooridongnae, Youngil Acete 영일아시트, Goalgetter 골게터, Myulchungtan 멸충탄, Seraco Acete, Berozone 베로존, Econong , Acephate 아세페이트, EBM date 이비엠데이트, Godansu 고단수

acephate.benfuracarb(I) **아세페이트.벤퓨라카브**

○ 10+5WP(aphids, 진딧물) Dec.'06(Re) : DB
Hanpan 한판

acephate.bifenthrin(I) **아세페이트.비펜트린**

○ 25+1WP(aphids, 진딧물) Apr.'91 ~ Dec.'06
5-Star

acephate.flucythrinate(I) **아세파이트.플루사이트리네이트**

○ 3+35WP(aphids, 진딧물) May'87～Mar.'94
Mabisan

acequinocyl(I) **아세퀴노실**

* 3-dodecyl-1,4-dihydro-1,4-dioxo-2-naphthylacetate(KRDA)
● 15SC(acarina, 응애) Jan.'09(Re) : KN
Kanemite 가네마이트

acetamiprid(I) **아세타미프리드**

Neonicotinoid
* (E)-N^1-[(6-chloro-3-pyridyl)methyl)-N^2-cyano-N^1-methyl acetamidine(KMAF)
○ 8WP(aphids, 진딧물) Dec.'06(Re) : KN, SG Dec.'03 : BY ○ 8SP(aphids, 진딧물) Dec.'06(Re) : KN, SG Dec.'03 : BY ○ 20SL(pine leaf gall midge, 솔잎혹파리) Nov. '01 : SG ○ 5SL(pine needle gall midge, 솔잎혹파리) Mar. '06 : KN ● 0.005AL(aphids, 진딧물) Apr. '01 : AL ● 15FU(aphids, 진딧물) Apr. '01 : AL ○ 1.5GR(aphids, 진딧물)May. '05 : KN
Mospilan 모스피란, Masgreen 마스그린, Landking 랜드킹, Sinex 신엑스

acetamiprid.bifenthrin(I) **아세타미프리드.비펜트린**

○ 2+1.5WP(beet army worm, 파밤나방) Feb.'98 ~ Jan.'08
Dajabi

acetamiprid.Buprofezin(I) **아세타미프리드.뷰프로페진**

○ 4+15EC(apiraea aphid,조팝나무진딧물) Mar. '06 : KN
Baramtan 바람탄

acetamiprid.chlorfenapyr(I) **아세타미프리드.클로르페나피르**

○ 2.5+3WP(acarina, 응애) Jan.'09(Re) : SG
KingGuard, Doctorking 닥터킹

acetamiprid.diflubenzuron(I) **아세타미프리드.디플루벤주론**

○ 2+7WP(apple leafminer, 사과굴나방) Jan.'09(Re) : SG
Chungdawn 충다운

acetamiprid.etofenprox(I) **아세타미프리드.에토펜프록스**

○ 2.5+8WP(aphids, 진딧물) Jan.'09(Re) : KN
Manjangilchi 만장일치

acetamiprid.fipronil(I) **아세타미프리드.피프로닐**

○ 4+1WP(thrips, 총채벌레) Mar.'97 ~ Jan.'07
Hanjumuk

acetamiprid.indoxacarb(I) **아세타미프리드.인독사카브**

○ 4+5WP(western flower thrips, 꽃노랑총채벌레) Mar. '06 : DHT
Maengta 맹타

acibenzolar-S-methyl(F) **아시벤졸라-에스-메틸**

Benzothiadiazol
Benzo[1,2,3]thiadiazole-7-carbothioic acid S-methyl ester(KRDA)
○ 5WP(bacterial shot hole 세균성구멍병) Dec. '00 : SY
Bion 비온

acibenzolar-S-methyl.chlorothalonil(F) **아시벤졸라-에스메틸.클로로탈로닐**

○ 1.42+44.5SC(bitter rot, 탄저병) Mar. '07 : SY
Ari Misojin 아리미소진

acibenzolar-S-methyl.mancozeb(F) **아시벤졸라-에스-메틸.만코제브**

○ 1+48WP(bitter rot, 탄저병) Dec. '00 : SY
Bion M 비온엠

acibenzolar-S-methyl.thiamethoxam(IF) **아시벤졸라-에스-메틸.티아메톡삼**

○ 2+0.8GR(rice blast & rice water weevil 잎도열병, 벼물바구미) Mar. '06 : SY
Gardline 가드라인

acrinathrin(I) **아크리나트린**

Pyrthroid
* (S)-α-cyano-3-phenoxybenzyl(Z)-(1R-cis)-2,2-dimethyl-3-[2-(2,2,2-trifluoromethyl-ethoxycarbonyl)vinyl] cyclopropane carboxylate(KMAF)
○ 5.7SC(acarina, 응애) Jan.'05 : DF ○ 6 EC(acarina, 응애) Nov.'92 ~ Dec.'06 ○ 3 WP(thrips, 총채벌레) Jan.'05 ~ Jan.'09 : DF
Rufast, Chongchaethan 총채탄

acrinathrin.clofentezine(I) **아크리나트린.클로펜테진**

○ 3+21SC (acarina, 응애) Apr.'94 ~ Dec.'06

acrinathrin.spiromesifen(I) **아크리나트린.스피로메시펜**

○ 6+30SC(two-spotted spider mite, 점박이응애) Mar.'08 : BY
Saemachi 새마치

alachlor(H) **알라클로르**

Choroacetamide
* 2-chloro-2′, 6′-diethyl-N-methoxy methyl acetanilide (KMAF)
○ 43.7EC(upland weeds,밭잡초) Dec.'01(Re) : KN,DB,DF,DHT,SY,BY,SB,YI,SG,CI Mar.'04 : SM ○ 5GR(upland weeds, 밭잡초) Dec.'01(Re) : KN,DB,DF,DHT,SY,BY,SB,YI,SG,CI Mar.'04 : SM
Lasso 라쏘, Wasso 와쏘, Kyungnong Alra경농알라, Damaejo다매조, Sungbo Alra성보알라, Ari alra , Samgong Alra삼공알라, Tuk Alra 특알라, Cheil Alra 제일알라, Alachlor 알라클로르, Dongbang Alra 동방알라, SMBT Alra 에스엠비티알라

alachlor.pendimethalin(H) **알라클로르.펜디메탈린**

○ 20+20EC(upland weeds, 밭잡초) Apr.'89 : DHT Feb. '01: DF
Dulson 들손, Pulson 풀손

alanycarb(I) **알라니카브**

Carbamate
* ethyl(Z)-N-benzyl-N-[[methyl(1-methyl thioethylideneamino-oxycarbonyl)amino]thio]-β-alaninate (KMAF)
○ 40WP(aphids, 진딧물) Feb.'98 ~ Jan.'08
Hwalnong

alanycarb.fenpropathrin(I) **알라니카브.펜프로파트린**

○ 10+2EC(aphids, 진딧물) Mar.'97 ~ Dec.'06

aldicarb(I) **알디카브**

Carbamate
* 2-methyl-2-(methyl thio) propionaldehyde O-(methyl carbamoyl) oxime (KMAF)
○ 15GR(pine leaf gall midge, 솔잎혹파리) Dec.'88~Jun.'91
Temik

alloxydim-sodium(H) **알록시딤-소듐**

* sodium salt of methyl(E)-(RS)-3-[1-(allyloxyimino)butyl]-4-hydroxy -6,6-dimethyl-2-oxocyclohex-3-ene carboxylate (KMAF)
○ 75SP(upland weeds, 밭잡초) Apr.'80 ~ Mar.'94
Kusagard, Clout

alpha-cypermethrin(I) **알파사이퍼메트린**

Pyrethroid
* a racemate comprising(S)-α-cyano-3-phenoxybenzyl(1R)-cis-3-(2,2-dichlorovinyl)- 2,2 -dimethylcyclopropane carboxylate and (R)-α-cyano-3-phenoxybenzyl(1S)-cis-3-(2,2-dichlorovinyl)- 2,2-dimethylcyclopropane carboxylate (KMAF)
○ 2EC(aphids, 진딧물) Dec. '01(Re): KN, EB, BY, SB, YI, SG ● 15WG(leafroller, 잎말이나방) Mar.'99 ~ Jan. '03 ● 13.8WG(apple leafminer, 사과굴나방) Apr. '01 ~ Jan.'09 : SG
Fastac 화스탁,Concord 콩코드,Siwontan Bayer Alphathrin바이엘알파스린, EBMHanaro이비엠하나로, Youngil Alphathrin영일알파스린, Hotconer, Myeung Kwaetan 명쾌탄, Power-cell 파워셀

alpha-cypermethrin.chlorfenapyr(I) **알파사이퍼메트린.클로르페나피르**

○ 0.7+1.5EC(diamond-back moth, 배추좀나방) Jan.'08(Re) : YI, SG
This 디스, Youngil Alphathrin Plus 영일알파스린플러스

alpha-cypermethrin.diazinon(I) **알파사이퍼메트린.다이아지논**

○ 1+25WP (peach fruit moth, 심식나방) May'90 ~ Apr.'93

alpha-cypermethrin.flufenoxuron(I) **알파싸이퍼메트린.플루페녹수론**

○ 2+2 EC(beet army worm, 파밤나방) Jan.'08(Re) : SB
Myongjung 명중

alpha-cypermethrin.teflubenzuron(I) **알파사이퍼메트린.테플루벤주론**

○ 1.5+3DC(beet army worm, 파밤나방) Apr.'97 ~ Jan'07
Furyonta

alpha-cypermethrin.triazamate(I) **알파사이퍼메트린.트리아자메이트**

○ 1+5EC(aphids, 진딧물) Mar.'96 ~Dec.'06
Tripas

aluminum phosphide(I) **알루미늄포스파이드**

* aluminium phosphide (KMAF)
○ 56TB(storage insects, 저장해충) Dec.'01(Re) : YI
Epifume 에피흄

ambam(F) **암밤**

* di-ammonium ethylene bis dithio carbamate (KMAF)
○ 48SL(white spot, 흰무늬병) Jan.'76~Feb.'81
Ambam

amisulbrom(F) **아미설브롬**

3-(3-bromo-6-fluoro-2-methylindol-1-ylsulfonyl)-N,N-dimethyl-1H-1,2,4-triazole-1-sulfonamide (IUPAC)
○ 13.5SC(foot rot, 역병) Mar.'08 : SG ○ 0.5 DP(club root, 뿌리혹병) Mar '09 : SG ○ 15 WP(club root, 뿌리혹병) Mar '09 : SG
Myungjak 명작

amisulbrom.cymoxanil(F) **아미설브롬.사이목사닐**

○ 11+24WG(foot rot, 역병) Mar.'09 : YI
Curtain 커튼

amitraz(I) **아미트라즈**

Amidine
* N-methyl bis (2,4-xylyliminomethyl)amine (KMAF)
○ 20EC(acarina,응애) Dec.'01(Re) : SG Jan.'05 : AL
Micut 마이캇트, Mitac 마이탁

amitraz.bifenthrin(I) **아미트라즈.비펜트린**

○ 15+1.5EC(acarina, 응애) Feb.'97 ~Jan.'07
Kisston

amitraz.buprofezin(I) **아미트라즈.뷰프로페진**

○ 12.5+12.5EC(scales, 깍지벌레) Jan.'08(Re) : SG
Hero 히어로

amitrole(H) **아미트롤**

Triazole
* 1H-1,2,4-triazol-3-ylamine (KMAF)
Weedazol

amitrole.MCPA.methabenzthiazuron(H) **아미트롤.엠시피에이.메타벤즈티아주론**

○ 40+20+20WP(orchard weeds, 과원잡초) May'84~Jan.'90
Ustinex

ampelomyces quisqualis AQ94013(F) **암펠로미세스퀴스콸리스에이큐94013**

Biopesticide
** *ampelomyces quisqualis* AQ94013(KRDA)
○ 1.0×10^7cfu/g SC(powdery mildew, 흰가루병) Apr. '04 : GB
Q-fact 큐펙트

anilazine(F) **아닐라진**

* 4,6-dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine (KMAF)
● 20FU(gray mold, 잿빛곰팡이병) Jul.'92 ~ Feb. '02

anilofos(H) **아닐로포스**

Organophosphate
* S-4-chloro-N-isopropylcarbaniloylmethyl O,O-dimethyl phosphorodithioate (KMAF)

anilofos.azimsulfuron(H) **아닐로포스.아짐설퓨론**

○ 1.5+0.05GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : SB
Gumssarac 금싸락

anilofos.azimsulfuron.bensulfuron-methyl(H) **아닐로포스.아짐설퓨론.벤설퓨론메틸**

○ 1.5+0.03+0.08GR(paddy field weeds, 논잡초) Mar.'00 : DHT
Daedulbo 대들보

anilofos.azimsulfuron.carfentrazone-ethyl(H) **아닐로포스.아짐설퓨론.카펜트라존에틸**

○ 1.5+0.03+0.1GR(paddy field weeds, 논잡초) Jan.'03 : DHT
Nonaewang 노네왕

anilofos.azimsulfuron.ethoxysulfuron(H) **아닐로포스.아짐설퓨론.에톡시설퓨론**

○ 1.5+0.03+0.04GR(paddy field weeds, 논잡초) Apr.'00, Jan. '04 : BY
Nonaeda 노내다

anilofos.bensulfuron-methyl(H) **아닐로포스.벤설퓨론메틸**

○ 1.5+0.17GR(paddy field weeds, 논잡초) Apr. '01 : KN
Jichowang 지초왕

anilofos.carfentrazone-ethyl.pyrazosulfuron-ethyl(H) **아닐로포스.카펜트라존에틸.피라조설퓨론에틸**

○ 1.5+0.1+0.05GR(paddy field weeds, 논잡초) Apr. '01 : DF
Bujadul 부자들

anilofos.daimuron.ethoxysulfuron(H) **아닐로포스.다이뮤론.에톡시설퓨론**

○ 1.5+1.5+0.07GR(paddy field weeds, 논잡초) Apr.'97 ~ Jan.'07
Pulstar

anilofos.dithiopyr(H) **아닐로포스.디티오피르**

○ 1.2GR(paddy field weeds, 논잡초) Apr. '01 : KN
Onchonha 온천하

anilofos.imazosulfuron(H) **아닐로포스.이마조설퓨론**

○ 1.5+0.25GR(paddy field weeds, 논잡초) Mar.'02 : DB
Gyunincha 견인차

anilofos.pendimethalin(H) **아닐로포스.펜디메탈린**

○ 15+25EC(paddy field weeds, 논잡초) Apr.'00 ~ Jan.'08

anilofos.propanil(H) **아닐로포스.프로파닐**

○ 15+25EC(paddy field weeds, 논잡초) Apr.'00 ~ Jan.'08
Kangchone

aramite(I) **아라마이트**

* 2-(p-tert-Butylphenoxy)-1-methylethyl 2-chloroethyl sulfite (KMAF)

aramite.MNFA(I) **아라마이트.엠엔에프에이**

* 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate (KMAF)
○ 18+12EC(acarina, 응애) Feb.'77~Feb.'81

asulam-sodium(H) **아술람소듐**

Carbamate
* methyl 4-aminophenyl sulphonyl carbamate sodium salt (KMAF) methyl sulfanilylcarbamate mono sodium salt (KRDA)
○ 37SL (orchard weeds, 과원잡초) Nov.'77~Oct.'88 ● 87.6SG (upland weeds, 밭잡초) Jan.'09(Re) : BY ○ 37SL (upland weeds, 밭잡초) Oct.'06 : BY
Asulox 아수록스, Asilan 아지란

aviglycine[aminoethoxyvinylglycine](O) **아비글리신**

[s]-trans-2-amino-4-[2-aminoethoxy]-3-butenoic acid hychrochloride (KRDA)
● 15WP(fruit drop control, 후기낙과방지) Apr. '01 : YI
ReTain 리테인

azadirachtin(I) **아자디락틴**

dimethyl (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)-10-acetoxy-3,5-dihydroxy-4-[(1aR,2S,3aS,6aS,7S,7aS)-6a-hydroxy-7a-methyl-3a,6a,7,7a-tetrahydro-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-4-methyl-8-{[(2E)-2-methylbut-2-enoyl]oxy}octahydro-1H-naphtho[1,8a-c:4,5-b′c′]difuran-5,10a(8H)-dicarboxylate(IUPAC)
● 2EC(greenhouse whitefly, 온실가루이) Mar. '07~ Jul.' 08 ● 0.15GR(rice water weevil, 벼물바구미) Mar.'08 : AL
Dandock 단독

azafenidin(H) **아자페니딘**

* 2-(2,4-dichloro-5-prop-2-ynyloxyphenyl)-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin- 3 (2H)-one(KRDA)
● 80WG(orchard weeds, 과원잡초) Mar. '02 ~ Mar. '04
Milestone

azimsulfuron(H) **아짐설퓨론**

Sulfonylurea
* 1-(4,6-dimethoxypyrimidin-2-yl)-3-[1-methyl-4-(2-methyl-2H-tetrazol-5-yl)pyrazol-5-ylsulfonyl]urea (KMAF)
○ 0.05GR(paddy field weeds, 논잡초) Mar.'02 : DHT
Gulriver 걸리버

azimsulfuron.bensulfuron-methyl.cyhalofop-butyl(H) **아짐설퓨론.벤설푸론메틸.사이할로포프뷰틸**

○ 0.03+0.08+0.6GR(paddy field weeds, 논잡초) Apr. '01 : DHT
Madaduel마다들

azimsulfuron.bensulfuron-methyl.dithiopyr(H) **아짐설퓨론.벤설퓨론메틸.디티오피르**

○ 0.02+0.1+0.3GR(paddy field weeds, 논잡초) Jun.'99 ~ Jan.'09 : SY
Hwanggeumson 황금손

azimsulfuron.bensulfuron-methyl.fentrazamide(H) **아짐설퓨론.벤설퓨론메틸.펜트라자마이드**

○ 0.03+0.08+0.8GR(paddy field weeds, 논잡초) Apr.'00 : DHT
Puldangburn 풀당번

azimsulfuron.bensulfuron-methyl.indanofan(H) **아짐설퓨론.벤설퓨론메틸.인다노판**

○ 0.03+0.08+0.43GR(paddy field weeds, 논잡초) Jan. '04 : KN
Hansori 한소리

azimsulfuron.bensulfuron-methyl.mefenacet(H) **아짐설퓨론.벤설퓨론메틸.메페나셋**

○ 0.03+0.08+3.5GR(paddy field weeds, 논잡초) Apr. '04 : SG Feb. '05 : YI
Jabchowang 잡초왕, Youngilpam 영일팜

azimsulfuron.bensulfuron-methyl.molinate(H) **아짐설퓨론.벤설퓨론메틸.몰리네이트**

○ 0.03+0.08+5GR(paddy field weeds, 논잡초) Dec.'99 : DHT
Puraewang 푸레왕

azimsulfuron.bensulfuron-methyl.oxaziclomefone(H) **아짐설퓨론.벤설퓨론메틸.옥사지클로메폰**

○ 0.03+0.08+0.2GR(paddy field weeds, 논잡초) Dec. '01 ~ Jan.'09 : DHT
Bujawang 부자왕

azimsulfuron.bensulfuron-methyl.pretilachlor(H) **아짐설퓨론.벤설퓨론메틸.프레틸라클로르**

○ 0.02+0.1+1GR(paddy field weeds, 논잡초) Mar. '02 : YI
Mangeum 만금

azimsulfuron.bensulfuron-methyl.pyriftalid(H) **아짐설퓨론.벤설퓨론메틸.피리프탈리드**

○ 0.03+0.08+0.6GR(paddy field weeds, 논잡초) Apr. '04 : DHT
Doumson 도움손

azimsulfuron.bensulfuron-methyl.pyriminobac-methyl(H) **아짐설퓨론.벤설퓨론메틸.피리미노박메틸**

○ 0.03+0.08+0.1 GR(paddy field weeds, 논잡초) Apr.'03 : DHT
Puldaewang 풀대왕

azimsulfuron.bensulfuron-methyl.thiobencarb(H) **아짐설퓨론.벤설퓨론메틸.티오벤카브**

○ 0.03+0.08+7GR(paddy field weeds, 논잡초) Oct. '07 : DHT
Noncare 논케어

azimsulfuron.bromobutide.penoxsulam(H) **아짐설퓨론.브로모뷰타이드.페녹슐람**

○ 0.05+2.5+0.07GR(paddy field weeds, 논잡초) Mar.'09 : DB
Hwangson 황손

azimsulfuron.bromobutide.pyriminobac-methyl(H) **아짐설퓨론.브로모뷰타이드.피리미노박메틸**

○ 0.6+36+1.2GR(paddy field weeds, 논잡초) Mar.'09 : DHT
Pyonane 펴나네

azimsulfuron.butachlor.clomazone(H) **아짐설퓨론.뷰타클로르.클로마존**

○ 0.05+2.5+0.2GR(paddy field weeds, 논잡초) Mar. '02 : DB
Apollo 아폴로

azimsulfuron.cafenstrole(H) **아짐설푸론.카펜스트롤**

○ 2.4+60 WG(paddy field weeds, 논잡초) Apr. '06 : DHT ○ 0.05+1 GR(paddy field weeds, 논잡초) Apr. '06 : DHT
Markone 마크원, Nonbohyeom 논보험

azimsulfuron.carfentrazone-ethyl(H) **아짐설퓨론.카펜트라존에틸**

○ 0.05+0.15GR(paddy field weeds, 논잡초) Sep. '05 : DB
Taeyangwang 태양왕

azimsulfuron.carfentrazone-ethyl.mefenacet(H) **아짐설퓨론.카펜트라존에틸.메페나셋**

○ 0.04+0.1+3.5GR(paddy field weeds, 논잡초) Oct. '06 : DHT
Chungshin 충신

azimsulfuron.carfentrazone-ethyl.metamifop(H) **아짐설퓨론.카펜트라존에틸.메타미포프**

○ 0.05+0.25+0.3GR(paddy field weeds, 논잡초) Mar.'09 : DHT
Highkick 하이킥

azimsulfuron.carfentrazone-ethyl.pyriminobac-methyl(H) **아짐설퓨론.카펜트라존에틸.피리미노박메틸**

○ 0.03+0.15+0.1GR(paddy field weeds, 논잡초) Apr.'04 : DHT ○ 0.3+1.5+0.6UG(paddy field weeds, 논잡초) Oct.'07 : DHT
Gwanunjang, 관운장, Pulpack 풀팩

azimsulfuron.cyhalofop-butyl.molinate(H) **아짐설퓨론.사이할로포프뷰틸.몰리네이트**

○ 0.05+0.6+3GR(paddy field weeds, 논잡초) Feb.'97 ~ Jan.'07
Amhaengeosa

azimsulfuron.cyhalofop-butyl.pretilachlor(H) **아짐설퓨론.사이할로포프뷰틸.프레틸라클로르**

○ 0.05+0.6+1GR(paddy field weeds, 논잡초) Mar.'00 : DHT
Nondansok 논단속

azimsulfuron.cyhalofop-butyl.propanil(H) **아짐설퓨론.사이할로포프부틸.프로파닐**

○ 0.3+6+8WP(paddy field weeds, 논잡초) Apr.'98 ~ Jan.'08

azimsulfuron.esprocarb(H) **아짐설퓨론.에스프로카브**

○ 0.05+7GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : SY
Gaesenmoon 개선문

azimsulfuron.fentrazamide(H) **아짐설퓨론.펜트라자마이드**

○ 0.3+4.8GR(paddy field weeds, 논잡초) Mar.'03 : DHT
Sudowang 수도왕

azimsulfuron.flucetosulfuron(H) **아짐설퓨론.플루세토설퓨론**

○ 0.05+0.05 GR(paddy field weeds, 논잡초) Oct.'04 : SB ○ 0.3+0.4 DT(paddy field weeds, 논잡초) Sep.'08 : KN
Geumbanga 금방아, Mawang 마왕

azimsulfuron.indanofan(H) **아짐설퓨론.인다노판**

○ 0.05+0.4GR(paddy field weeds, 논잡초) Oct. '06 : KN
Joendul 조은들

azimsulfuron.mefenacet(H) **아짐설퓨론.메페나셋**

○ 0.15+10.5GR(paddy field weeds, 논잡초) Feb.'98 ~ Jan.'08 ○ 0.05+ 3GR(paddy field weeds, 논잡초) Mar.'03 : DB
Hanmadang 한마당, Mansum 만섬

azimsulfuron.Mefenacet.Simetryn **아짐설퓨론.메페나셋.시메트린**

○ 0.05+3.5+0.5 GR(paddy field weeds, 논잡초) Sep.'08 : DB
Juinjang 주인장

azimsulfuron.molinate(H) **아짐설퓨론.몰리네이트**

○ 0.075+7.5UG (paddy field weeds, 논잡초) Feb.'97 ~Jan.'07 ○ 0.05+7GR (paddy field weeds, 논잡초) Feb.'98 ~Jan.'08
Tansung, Mancheanha

azimsulfuron.oxaziclomefone(H) **아짐설퓨론.옥사지클로메폰**

○ 0.05+0.2GR(paddy field weeds, 논잡초) Oct' 07 :KN
Midumi 미더미

azimsulfuron.penoxsulam(H) **아짐설퓨론.페녹슐람**

○ 1.8+4.8 WG(paddy field weeds, 논잡초) Sep. '05 : DB ○ 0.04+0.08GR (paddy field weeds, 논잡초) Oct. '06 : DB ○ 5+8 WP(paddy field weeds, 논잡초) Sep.'08 : DB
Pulace 풀에이스, Kangsanae 강산에, Gilson 길손

azimsulfuron.penoxulam.simetryn(H) **아짐설퓨론.페녹슐람.시메트린**

○ 0.05+0.07+0.3GR(paddy field weeds, 논잡초) Oct. '06 : DB
Pilsacho 필사초

azimsulfuron.pyriminobac-methyl(H) **아짐설퓨론.피리미노박메틸**

○ 4+ 10 WG(paddy field weeds, 논잡초) Apr.'04 : DHT ○ 0.6+1.2 GR(paddy field weeds, 논잡초) Sep. '05 : DHT ○ 0.05+0.1 GR(paddy field weeds, 논잡초) Apr/'04 : DHT
Dolgeokdae 돌격대, Pulbangpae 풀방패, Tucheoktan 투척탄

azimsulfuron.thiobencarb(H) **아짐설퓨론.티오벤카브**

○ 0.05+7GR(paddy field weeds, 논잡초) Mar. '02 : SB
Kummulgeol 금물결

azinphos-methyl(I) **아진포스메틸**

Organophosphate
* S-(3,4-dihydro-4-oxobenzo[d] [1,2,3] triazin-3-yl methyl) O,O-dimethyl phosphorodithioate (KMAF)
○ 25WP(leafroller, 잎말이나방) Dec.'01(Re) : DHT, BY, YI
Gusathion구사치온, Youngil Azinpho 영일아진포

azocyclotin(I) **아조사이클로틴**

Oraganotine
* 1-(tricyclohexylstannanyl)-1H-1,2,4-triazole(KMAF)
○ 25WP(acarina, 응애) Dec.'01(Re) : KN, DF, DHT, EB, YI Mar '06 : AL ○ 28SC(acarina, 응애) Mar. 06 : DHT
Eungaewang 응애왕 Acytin경농아씨틴, EBM Site이비엠싸이트, Peropal, Museoipal 무쇠팔

azocyclotin.chlorfenapyr(I) **아조사이클로틴.클로르페나피르**

○ 20+6SC(two-spotted spider mite, 점박이응애) Oct'07 : DF
Jeongbeolda 정벌대

azocyclotin.pyridaben(I) **아조사이클로틴.피리다벤**

○ 13+13WP(acarina, 응애) Jan.'09(Re) : YI
Wansung 완승

azoxystrobin(F) **아족시스트로빈**

Srobilurin
* methyl (E)-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate (KRDA)
○ 10WP(white rot, 겹무늬썩음병) Jan.'08(Re) : DHT, SY, YI, SG ● 20SC(downy mildew, 노균병) Jan.'08(Re) : DHT, SY, SG ● 50WG(large patch, 라이족토니아마름병) Jun.'00 : YI ● 47WG(large patch, 라이족토니아마름병) Jun.'03 : SY
Amistar 아미스타, Ortiva 오티바 Heritage 헤리티지, Youngil Azoxystrobin 영일아족시스트 로빈, Sensation 센세이션, Natana 나타나,Yuokbalsan 역발산

azoxystrobin.chlorothalonil(F) **아족시스트로빈.클로로탈로닐**

○ 4.8+40SC(anthracnose, 탄저병) Jan.'04 : SY
Ortiva Opti 오티바옵티

azoxystrobin.cyproconazole(F) **아족시스트로빈.사이프로코나졸**

● 17.3+6.7SC(large patch, 라이족토니아마름병) Mar. '07
Haund 하운드

azoxystrobin.difenoconazole(F) **아족시스트로빈.디페노코나졸**

○ 17+10.7SC(leaf spot, 둥근무늬낙엽병) Apr.'04 : SY
Amistar Top 아미스타탑

azoxystrobin.fipronil(IF) **아족시스트로빈.피프로닐**

○ 6+0.6GR(rice blast & rice water weevil, 도열병.벼물바구미) Mar.'00 : SG
Twocops 투캅스

azoxystrobin.propiconazol(F) **아족시스트로빈.프로피코나졸**

● 6.5+11.2 SE(false smut, 이삭누룩병) Mar.'06 : SY
Ari Quilt 아리킬트

B

B.t.subsp. aizawai(I) **비티아이자와이**

Biopesticide
Bacillus thuringiensis subsp. aizawai (KMAF)
● 35,000DBMU/㎎ WG(diamond-back moth, 배추좀나방) Apr.'94 : YI Feb.'04 : BY ● 8.5BIU/㎏ SC(diamond-back moth, 배추좀나방) Apr.'96 : DB, SY
Xentari 쎈타리, Biokan 비오칸, Florbac 풀로박, Scorpion 스콜피온

B.t.subsp.aizawai NT0423(I) **비티아이자와이엔티423**

Biopesticide
**Bacillus thuringiensis subspecies aizawai* NT0423(KRDA)
○ 1×10^{9}cfu/g WP(diamond-back moth, 배추좀나방) Mar. '04 : DHT ○ 5×10^{8}cfu/mlSC(diamond-back moth, 배추좀나방) Mar. '07 : DHT
Tobaki 토박이

B.t.var. kurstaki(I) **비티쿠르스타키**

Biopesticide
* *Bacillus thuringiensis Berliner variety kurstaki(serotype Ⅲa,Ⅲb) (KMAF)*
○ 16BIU/㎏ WP(diamond-back moth, 배추좀나방) Dec.'01(Re):DB, DF, DHT, EB, BY, YI, SG
Thuricide 슈리사이드, Youngil BT영일비티, Biobit 바이오비트, Geumulmang 그물망, Bigyul비결, EBM Bita이비엠비타, Samgong BT 삼공비티, Baichoong 바이충

B.t.subsp. kurstaki(I) **비티쿠르스타키**

Biopesticide
10SC: Encapsulated delta endotoxin of Bacillus thuringiensis variety kurstaki (KMAF) *15WG: B.T subspecies kurstaki strain EG8741 lepidopteran active toxin(KRDA)* *64BIU/kg: B.T subspecies kurstaki F-810 strain (KRDA)*
● 10SC(diamond-back moth, 배추좀나방) Dec.'06(Re) : KN ● 15WG(diamond-back moth, 배추좀나방) Jun.'99 ~ Jan.'09 : DHT ● 64BIU/kg WG(diamond-back moth, 배추좀나방) Mar.'02 : KN
M-Peril 엠페릴, Turnup 튠업

Bacillus amyloliquefaciens KBC1121(F) **바실루스아밀로리퀴파시스엔스케이비시1121**

Biopesticide
○ 1×10^{6}cfu/g WP(bacterial wilt, 풋마름병) Mar.'09 : HB
Chungmarm 청마름

Bacillus pumilus QST2808(F) **바실루스푸밀루스큐에스티2808**

Biopesticide
● 1×10^{9}cfu/g SC(foot rot, 역병) Oct. '07 :SA
Ecosence 에코센스

Bacillus subtilis CJ-9 **바실루스서브틸리스시제이-9**

Biopesticide
** *Bacillus subtilis* CJ-9(KRDA)
○ 1.0×10^{7} cfu/ml SM (large patch, 라이족토니아마름병) Sep.'08 : YI
topsaver 탑세이버

Bacillus substilis DBB 1501(F) **바실루스서브틸리스디비비1501**

Biopesticide
○ 1.0×10^{6}cfu/g GR(brown patch, 갈색잎마름병) Mar. '07 : DHT ○ 1.0×10^{9}cfu/g WP(powdery mildew, 흰가루병) Oct. '07 : DHT
Holinwon 홀인원, Terace 테라스

Bacillus subtilis GB-0365(F) **바실루스서브틸리스지비-0365**

Biopesticide
** *bacillus subtilis* GB-0365(KRDA)
○ 1×10^{7}cfu/㎖ SC(gray mold, 잿빛곰팡이병) Apr. '04 : GB ○ 3×10^{7}cfu/g WP(phytium blight ,피티움마름병) Sep. '05 : GB
Greenall 그린올

Bacillus subtilis JKK238(F) **바실루스서브틸리스제이케이케이 238**

Biopesticide
** *bacillus subtilis* JKK238 (KRDA)
○ 5.0×10^{7}cfu/㎖ SX(powdery mildew, 흰가루병) Mar. '06 : 흙살림
Ipsalim 잎살림

Bacillus subtilis KB 401(F) **바실루스서브틸리스케이비401**

Biopesticide
○ 2.0×10^{7}cfu/ml XX(powdery mildew, 흰가루병) Mar.'08 : KO, Jun.'09 : YI
Shoothingstar 슈팅스타, Macil 마실

Bacillus subtilis KBC1010 (F) **바실루스서브틸리스케이비시1010**

Biopesticide
** *bacillus subtilis* KBC1010
○ 1.0×10^{5}cfu/g WP(gray mold, 잿빛곰팡이병) Sep. '05 : HB
Jenotan 재노탄

Bacillus subtilis QST 713(F) **바실루스서브틸리스큐에스티713**

Biopesticide
** *bacillus subtilis* QST 713(KRDA)
● 5.0×10^{9}cfu/g WP (powdery mildew, 흰가루병) Sep.'05 : SA ● 1.0×10^{9}cfu/g SC (powdery mildew, 흰가루병) Mar.'06 : SA
Ecozet, Ecosmart 에코스마트

Bacillus subtilis Y1336(F) **바실루스서브틸리스와이1336**

Biopesticide
● 1.0×10^{9}cfu/g(powdery mildew, 흰가루병) Mar.06 SG
baybong 바이봉

Bacillus thuringiensis subsp. aizawai GB413(I) **바실루스슈링겐시스서브스페시스아이자와이지비413**

Biopesticide
** *bacillus thuringiensis* subsp. *aizawai* GB413(KRDA)
○ 1×10^{7}cfu/ml SC(diamond-back moth, 배추좀나방) Mar. '03 : GB
Solbitchae 솔빛채

Bacillus thuringiensis.teflubenzuron(I) **바실루스투링기엔시스.테플루벤주론**

Biopesticide
○ 10BIU/kg+3% WP(peach fruit moth, 심식나방) Apr.'92 ~Dec.'06

Beauveria bassiana GHA(I) **뷰베리아바시아나지에이치에이**

Biopesticide
● 1.0×10^8cfu/ml XX(greenhouse whitefly, 온실가루이) Oct. '07 : AL
Botanigard 보타니가드

Beauveria bassiana TBI-1(I) **뷰베리아바시아나티비아이-1**

Biopesticide
● 1.0×10^6cfu/g ST(two-spotted spider mite, 점박이응애) Mar.06 DHT
Seremoni 세레모니

benalaxyl(F) **베날락실**

Phenylamide
* methyl N-phenyl acetyl-N-2,6-xylyl-DL-alaninate (KMAF)
○ 25WP(downy mildew, 노균병) May'84~May'90
Galben

benalaxyl-M(F) **베날락실-엠**

Phenylamide
* methyl N-phenyl acetyl-N-2,6-xylyl-D-alaninate

benalaxyl-M.ethaboxam **베날락실-엠.에타복삼**

○ 7+8 SC(foot rot, 역병) Sep.'08 : DHT
Seonbang 선방

bendiocarb(I) **벤디오카브**

Carbamate
* 2,2-dimethyl-1,3-benzodioxol-4-yl-methylcarbamate (KMAF)
○ 5GR(soil insects, 토양해충) (Mar.'86~May'90)

benfluralin(H) **벤플루랄린**

Dinitroaniline
* N-butyl-N-ethyl-α,α,α-trifluoro-2,6-dinitro-P-toluidine (KMAF)
○ 25EC(upland weeds, 밭잡초) Feb.'97 : KN, DB
Saegreen 새그린, Youngyoung 영영

benfluralin.isoxaben(H) **벤플루랄린.아이속사벤**

○ 50+4.5WP(upland weeds, 밭잡초) Jan.'09(Re) : KN
Greenstar 그린스타

benfuracarb(I) **벤퓨라카브**

Carbamate
* ethyl-N-[2,3-dihydro-2,2-dimethylbenzofuran-7-yloxycarbonyl(methyl)aminothio]-N-isopropyl-β-alaninate (KMAF)
○ 30EC(aphids, 진딧물) Dec.'01(Re) : DB ○ 5GR(aphids, 진딧물) Apr.'89～Mar.'94 ○ 3GR(rice water weevil, 벼물바구미) Dec.'06(Re) : DB ● 30CS(aphids, 진딧물) Mar.'99 ~ Jan.'09 : DB ○ 30WG(apple leaf-curling aphid, 사과혹진딧물) Mar.'06 DB
Oncol 온콜, Syndrom 신드롬, Theone 더원

benfuracarb.fenpropathrin(I) **벤퓨라카브.펜프로파트린**

○ 5+2.2EC(acarina & aphids, 응애.진딧물) Dec.'06(Re) : DB ○ 5+2WP(aphids, 진딧물) Dec.'06(Re) : DB
Almata 알마타

benfuresate(H) **벤퓨러세이트**

Benzofuran
* 2,3-Dihydro-3,3-dimethybenzofuran-5-ylethanesulfonate (KMAF)

benfuresate.bensulfuron(H) **벤퓨러세이트.벤설퓨론메틸**

○ 1.5+0.1GR(paddy field weeds, 논잡초) Dec.'06(Re) : DHT
Nonpung 논풍

benfuresate.bensulfuron.dimepiperate(H) **벤퓨러세이트.벤설푸론메틸.디메피퍼레이트**

○ 1.5+0.1+5GR(paddy field weeds, 논잡초) Apr.'95 ～Dec.'06
Olbangpy

benfuresate.bifenox(H) **벤퓨러세이트.비페녹스**

○ 1.5+5GR(paddy field weeds, 논잡초) Dec.'06(Re) : DB
Hanson 한손

benfuresate.ethoxysulfuron.molinate(H) **벤퓨러세이트.에톡시설퓨론.몰리네이트**

○ 1.2+0.07+5GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : DB
Heracles 헤라클레스

benfuresate.halosulfuron-methyl.indanofan(H) **벤퓨러세이트.할로설퓨론메틸.인다노판**

○ 1.3+0.18+0.4 GR(paddy field weeds, 논잡초) Jan.'04 : KN
Jeongseok 정석

benfuresate.imazosulfuron.mefenacet(H) **벤퓨러세이트.이마조설퓨론.메페나셋**

○ 1+0.23+3GR(paddy field weeds, 논잡초) Mar.'00 : DB
Samkwanwang 삼관왕

benomyl(F) **베노밀**

Benzimidazole
* methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate
○ 50WP(white rot,겹무늬썩음병) Dec.'01(Re) : KN,DB,DF,DHT,SY,EB,BY,YI,SG, Mar.'04 : SM
Ari benomyl 아리베노밀, Jungmil Benomyl 정밀베노밀, Benlate 벤레이트, Dark Horse 다코스, Dongbu Benomyl동부베노밀, Benomyl Gold 베노밀골드, Youngil Benomyl 영일베노밀, EBM Kunsuwhak 이비엠큰수확, Samgong Benomyl 삼공베노밀, Posuck 포석 Dongbang Benomyl 동방베노밀, Hi-ex 하이엑스, Benolate 베노레이트, Bengi 벤지

benomyl.chlorothalonil(F) **베노밀.클로로탈로닐**

○ 20+50WP(bitter rot, 탄저병) Jan.'09(Re) : SY
Dacolate 다코레이트

benomyl.copper oxychloride.metalaxyl(F) **베노밀.코퍼옥시클로라이드.메탈락실**

○ 15+25+6.5WP(phytophthora rot & leaf blight, 역병.잎마름병) May '87～Jun.'92

benomyl.thiram(F) **베노밀.티람**

○ 20+20WP(rice seed disinfectant, 벼종자소독) Dec.'01(Re) : DHT, SY, SG Mar.'04 : SM
Benlate-T 벤레이트티, Keunarak 큰나락, Samgong Benoram삼공베노람, Ssisodok 씨소독

bensulfuron-methyl(H) **벤설퓨론메틸**

Sulfonylurea
* Methyl α-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-o-toluate

bensulfuron-methyl.butachlor(H) **벤설퓨론메틸.뷰타클로르**

○ 0.17+2.5GR(paddy field weeds, 논잡초) Dec.'06(Re) : DHT
Mandri 만드리

bensulfuron-methyl.carfentrazone-ethyl.thiobencarb(H) **벤설퓨론메틸.카펜트라존에틸.티오벤카브**

○ 0.17+0.15+7GR(paddy field weeds, 논잡초) Mar. '07 : YI
Youngilsachowang 영일사초왕

bensulfuron-methyl.cyhalofop-butyl.pretilachlor(H) **벤설퓨론메틸.사이할로포프뷰틸.프레틸라클로르**

○ 0.13+0.6+1GR(paddy field weeds, 논잡초) Feb.'97 ～ Jan.'07
Jangson

bensulfuron-methyl.daimuron.mefenacet(H) **벤설퓨론메틸.다이뮤론.메페나셋**

○ 0.13+1.5+3.5GR (paddy field weeds, 논잡초) Dec.'06(Re) : DHT
Mamuri 마무리

bensulfuron-methyl.daimuron.mefenacet.urea(H) **벤설퓨론메틸.다이뮤론.메페나셋.요소**

○ 0.078+0.9+2.1GR(paddy field weeds, 논잡초) Jun.'97 ～Jan.'07

bensulfuron-methyl.daimuron.pretilachlor(H) **벤설퓨론메틸.다이뮤론.프레틸라클로르**

○ 0.13+1+1.5GR(paddy field weeds, 논잡초) Apr.'93 ～Dec.'06
Ggalggeumi

bensulfuron-methyl.dimepiperate(H) **벤설퓨론메틸.디메피페레이트**

○ 0.13+7GR(paddy field weeds, 논잡초) Apr.'91 ～Dec.'06
Dubaenon, Gikpamae

bensulfuron-methyl.dithiopyr(H) **벤설퓨론메틸.디티오피르**

○ 0.13+0.4GR(paddy field weed, 논잡초) Dec.'06(Re) : DF, DHT
Octo 옥토

bensulfuron-methyl.esprocarb(H) **벤설푸론메틸.에스프로카브**

○ 0.13+5GR(paddy field weeds, 논잡초) Apr.'92 ~Dec.'06
Pulsari, Salchowang

bensulfuron-methyl.fentrazamide(H) **벤설퓨론메틸.펜트라자마이드**

○ 0.17+0.7GR(paddy field weeds, 논잡초) Apr.'00 : SG ○ 1+6SC(paddy field weeds, 논잡초) Jan.'03 : BY
Dongshimae 동시매, Pamoon 파문

bensulfuron-methyl.indanofan(H) **벤설퓨론메틸.인다노판**

○ 1+2.4SC(paddy field weeds, 논잡초) Oct. '06 : KN
Ilsachunri 일사천리

bensulfuron-methyl.mefenacet(H) **벤설퓨론메틸.메페나셋**

○ 0.17+2.5GR(paddy field weeds, 논잡초) Aug.'88~Mar.'92 ○ 0.13+2.5GR(paddy field weeds, 논잡초) Dec.'06(Re) : DHT ○ 1.02+21SC(paddy field weeds, 논잡초) Sep. '05 : DHT
Mansokgun 만석군, Chulongsung 철옹성

bensulfuron-methyl.mefenacet.thiobencarb(H) **벤설퓨론메틸.메페나셋.티오벤카브**

○ 0.17+1.5+5 GR(paddy field weeds, 논잡초) Oct. '07 : YI
Goodfarmer 굳파머

bensulfuron-methyl.mefenacet.oxadiargyl(H) **벤설퓨론메틸.메페나셋.옥사디아길**

○ 1.0+20+0.6SC(paddy field weeds, 논잡초) Oct. '07 : BY
Pulcut 풀카트

bensulfuron-methyl.mesotrione.pretilachlor.pyriftalid(H) **벤설퓨론메틸.메소트리온.프레틸라클로르.피리프탈리드**

○ 0.51+0.9+4.5+1.2GR(paddy field weeds, 논잡초) Mar.'08 ~ Oct.'08 ○ 0.17+0.3+1.5+0.4 GR(paddy field weeds, 논잡초) Nov.'08 : SY
Sario, Hanacheo 하나처

bensulfuron-methyl.molinate(H) **벤설퓨론메틸.몰리네이트**

○ 0.17+5GR(paddy field weeds, 논잡초) Dec.'06(Re) ~May.'08
Pododaejang

bensulfuron-methyl.oxadiazon(H) **벤설퓨론메틸.옥사디아존**

○ 0.13+0.8GR(paddy field weeds, 논잡초) Dec.'06(Re) : DF
Goldnon, Hwanggeumdeul 황금들

bensulfuron-methyl.penoxulam(H) **벤설퓨론메틸.페녹술람**

○ 1.02+0.48SC(paddy field weeds, 논잡초) Oct. '06 : DB
Nongjanggun 농장군

bensulfuron-methyl.pretilachlor(H) **벤설퓨론메틸.프레틸라클로르**

○ 0.17+1GR(paddy field weeds, 논잡초) Nov. '04 : KN ○ 0.13+1GR(paddy field weeds, 논잡초) Mar.'91～Apr.'93
Bokdori 복도리

bensulfuron-methyl.pretilachlor.pyriftalid(H) **벤설퓨론메틸.프레틸라클로르.피리프탈라이드**

○ 1.4+11.5+2.9SC(paddy field weeds, 논잡초) Sep. '05 : SY
Apiro pro 아피로프로

bensulfuron-methyl.pyributicarb(H) **벤설퓨론메틸.피리뷰티카브**

○ 0.13+3GR(paddy field weeds, 논잡초) Aug.'92 ～Dec.'06 ○ 0.8+11.4SC(paddy field weeds, 논잡초) Dec.'06(Re) : DF, DHT
Mansure 만수레, Nondureong 논두렁

bensulfuron-methyl.pyriminobac-methyl(H) **벤설퓨론메틸.피리미노박메틸**

○ 1+0.6SC(paddy field weeds, 논잡초) Oct. '06 : BY ○ 0.17+0.1GR(paddy field weeds, 논잡초) Oct. '06 : DHT
Geumbangmae 금방매, Jabchowang 잡초왕

bensulfuron-methyl.quinclorac(H) **벤설퓨론메틸.퀸클로락**

○ 0.17+1GR(paddy field weeds, 논잡초) Apr.'89 ～Dec.'06
Pozol

bensulfuron-methyl.thiobencarb(H) **벤설퓨론메틸.티오벤카브**

○ 0.13+5GR(paddy field weeds, 논잡초) Apr.'91 ～ Mar. '96 ○ 0.17+7GR(paddy field weeds, 논잡초) June.'03: YI
Midas 마이다스

bensulide(H) **벤설라이드**

Phosphorodithioate
* S-2-benzenesulphonamidoethyl O,O-di-isopropyl phosphorodithioate (KMAF)
○ 50EC(upland weeds, 밭잡초) Dec.'06(Re) : ～May.'08
Lawnpar

bensultap(I) **벤설탑**

Carbamate
* S,S'-2-dimethylaminotrimethylene di(benzenethiosulfonate) (KMAF)
○ 50WP(grass leafroller, 혹명나방) Dec.'06(Re) : DB, YI ○ 25EC(grass leafroller, 혹명나방) Nov.'90 ～Dec.'06 ○ 4GR(rice stemborer, 이화명나방) Feb. '01～Jan. '07
Rubang 루방, Trophy 트로피

bensultap.clothianidin(I) **벤설탑.클로티아니딘**

○ 50+1WP(rice stemborer, 이화명나방) Apr. '04 : SG
Myeongcheobang 명처방

bentazone(H) **벤타존**

Benzothiadiazinone
* 3-isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide
○ 10GR(paddy field weeds, 논잡초) Feb.'78～Oct.'85 ○ 40SL(paddy field weeds, 논잡초) Dec.'01(Re) : KN, DF, DHT, EB, SB, YI, SM
Basagran 밧사그란, Pulmangchi 풀망치, Bulbanjang풀반장, Kyungnong Bentazone 경농 벤타존, Youngil Bentazone영일벤타존, EBM Bentazone이비엠벤타존, Ari Bentazone 아리벤타존

bentazone.cyhalofop-butyl(H) **벤타존.사이할로포프뷰틸**

○ 16.5+3ME(paddy field weeds, 논잡초) Dec.'06(Re) : DB
Jungilpum 정일품

bentazone.fenoxaprop-P-ethyl(H) **벤타존.페녹사프로프-피-에틸**

○ 0.6+30DC(paddy field weeds, 논잡초) Mar.'97～Mar.'00
Dangol

bentazone.mecoprop-P(H) **벤타존.메코프로프피**

○ 25+3.75SL(paddy field weeds, 논잡초) Sep.'05 : DHT
Chogangse 초강세

bentazone.metamifop(H) **벤타존.메타미포프**

○ 16+1ME(paddy field weeds, 논잡초) Oct.' 07 : DHT
Daedane 대다네

bentazone.MCPA(H) **벤타존.엠시피에이**

○ 31+4.6SL(paddy field weeds, 논잡초) Apr.'04 : BASF
Bathagran-M60 밧사그란엠60

bentazone.quinclorac(H) **벤타존.퀸클로락**

○ 10+1GR(paddy field weeds, 논잡초) Apr.'89 ～Dec.'06 ○ 40+10WP(paddy field weeds, 논잡초) Apr.'89 ～Dec.'06
Pul-Ta, Basagran-Pi

bentazone-sodium.fenoxaprop-P-ethyl(H) **벤타존소듐.페녹사프로프-피-에틸**

○ 30+1ME(paddy field weeds, 논잡초) Mar.'00 : SB
Dangol 단골

benthiavalicarb-isopropyl(F) **벤티아발리카브아이소프로필**

Amino acid-amide carbamate
* isopropyl [(S)-1-{[(R)-1-(6-fluoro-1,3-benzothiazol-2-yl)ethyl]carbamoyl}-2-methylpropyl] carbamate

benthiavalicarb-isopropyl.chlorothalonil(F) **벤티아발리카브아이소프로필.클로로탈로닐**

○ 1.75+50WG((foot rot, 역병) Mar.'08 :DHT
Hiddencard 히든카드

benthiavalicarb-isopropyl.copper oxychloride(F) **벤티아발리카브아이소프로필.코퍼옥시클로라이드**

○ 3.5+35WP(downy mildew, 노균병) Mar. '07 : SB
Manjum 만점

benzobicyclon(H) **벤조비사이클론**

* 3-(2-chloro-4-mesylbenzoyl)-2-phenylthiobicyclo[3.2.1]oct-2-en-4-one(KRDA)
○ 3.5 SC(paddy field weeds, 논잡초) Mar. '06 : KN
Najima 나지마

benzobicyclon.cafenstrole.pyrazosulfuron-ethyl(H) **벤조비사이클론.카펜스트롤.피라조설퓨론에틸**

○ 0.6+0.8+0.07GR(paddy field weeds, 논잡초) Sep.'08 : YI
Youngil Star 영일스타

benzobicyclon.fentrazamide(H) **벤조비사이클론.펜트라자마이드**

○ 3+2.5SC(paddy field weeds, 논잡초) Oct' 07 : DB
Ari Annapul 아리안나풀

benzobicyclon.flucetosulfuron(H) **벤조비사이클론.플루세토설퓨론**

○ 3.5+0.42DT(paddy field weeds, 논잡초) Oct' 07 :KN
matchup-jumbo, Hwanggumball Jumbo 황금볼점보

benzobicyclon.flucetosulfuron.halosulfuron-methyl(H) **벤조비사이클론.플루세토설퓨론.할로설퓨론메틸**

○ 3+0.4+1.08 DT(paddy field weeds, 논잡초) Sep.'08 : KN
Ipyeonhan Jumbo 이편한 점보

benzobicyclon.Imazosulfuron.Mefenacet(H) **벤조비사이클론.이마조설퓨론.메페나셋**

○ 3+1.5+20SC(paddy field weeds, 논잡초) Sep.'08 : SB
Chokilwang 초킬왕

benzobicyclon.imazosulfuron.penoxsulam(H) **벤조비사이클론.이마조설퓨론.페녹슐람**

○ 3.5+1.5+0.42SC(paddy field weeds, 논잡초) Oct' 07 : DB
Ari Onnonae 아리온노네

benzobicyclon.imazosulfuron.pyriminobac-methyl(H) **벤조비사이클론.이마조설퓨론.피리미노박메틸**

○ 4.0+1.5+0.6SC(paddy field weeds, 논잡초) Oct. '07 :SG
Dagananwang 다관왕

benzobicyclon.mefenacet.penoxsulam **벤조비사이클론.메페나셋.페녹슐람**

○ 3.0+18+0.5 SC(paddy field weeds, 논잡초) Sep.'08 : SG
Pulcheonwang 풀천왕

benzobicyclon.oxaziclomefone(H) **벤조비사이클론.옥사지클로메폰**

○ 3+0.5SC(paddy field weeds, 논잡초) Oct. '06 : DB
Bandeul 반들

benzobicyclon.penoxulam(H) **벤조비사이클론.페녹슐람**

○ 3+0.48SC(paddy field weeds, 논잡초) Oct. '06 : KN
Moonzeonokdap 문전옥답

benzobicyclon.penoxsulam.pyrazosulfuron-ethyl(H) **벤조비사이클론.페녹슐람.피라조설퓨론에틸**

○ 0.7+0.08+0.07GR(paddy field weeds, 논잡초) Sep.'08 : SG
Damegi 다메기

benzobicyclon.pretilachlor(H) **벤조비사이클론.프레틸라클로르**

○ 3+9 SE(paddy field weeds, 논잡초) Apr. '06 : SB
Chobomae 초보매

benzobicyclon.thiobencarb(H) **벤조비사이클론.티오벤카브**

○ 2.5+30SE(paddy field weeds, 논잡초) Oct. '07 : DHT
Chostop 초스탑

benzoximate(I) **벤족시메이트**

Bezohydroxamic acid
* 3-chloro-α-ethoxyimino-2,6-dimethoxybenzyl benzoate: ethyl 0-benzoyl-3-chloro-2,6-dimethoxybenwohydroximate
○ 20EC(acarina, 응애) Dec.'01(Re) : YI
Citrazon 씨트라존

benzoximate.cyhexatin(I) **벤족시메이트.사이헥사틴**

○ 11+11WP(acarina, 응애) May'82～Jan.'90

beta-cyfluthrin(I) **베타사이플루트린**

Pyrethroid
* (RS)-α-cyano-4-fluoro-3-phenoxybenzyl(1RS,3RS:1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate(KMAF)
○ 2.5EC(aphids, 진딧물) Dec.'06(Re) : DF
Bulldog 불독, Choigobong 최고봉

bialanafos(H) **비알라나포스**

* 4-[hydroxy(methyl)phosphinoyl]-L-homoalanyl-L-alanyl-L-alanine (KMAF) sodium salt of L-2-ammino-4[((hydroxy)methyl)phosphinoy]butyryl-L-alanyl -L-alanine
○ 20SP(orchard weeds, 과원잡초) Apr.'89 ～ Mar.'92

bifenazate(I) **비페나제이트**

Carbazate
* N'-(4-methoxy-biphenyl-3-yl)hydrazine-carboxylic acid isopropylester (KRDA)
○ 23.5SC(acarina, 응애) Mar.'00 : SY
Acramite 아크라마이트

bifenazate.etoxazole(I) **비페나제이트.에톡사졸**

○ 18+5SC(acarina, 응애) Mar.'09 : DB
Ssangdumacha 쌍두마차

bifenazate.spiromesifen(I) **비페나제이트.스피로메시펜**

○ 18+10SC(two-spotted spidermite, 점박이응애) Mar.'09 : DF
Codeone 코드원

bifenox(H) **비페녹스**

Diphenyl ether
* methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate (KMAF)
○ 7GR(paddy field weeds, 논잡초) Dec.'01(Re) : DB
Modown 모다운

bifenox.pendimethalin(H) **비페녹스.펜디메탈린**

○ 15+25EC(paddy field weeds, 논잡초) Dec.'06(Re) : DB
Nonane 노나내

bifenox.perfluidone(H) **비페녹스.퍼플루이돈**

○ 3.5+2.5GR(paddy field weeds, 논잡초) Feb.'88～Mar.'94
Pumansa

bifenthrin(I) **비펜트린**

Pyrethroid
* 2-methylbiphenyl-3-ylmethyl(Z)-(1RS,3RS)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl) -2,2-dimethylcyclopropane carboxylate (KMAF)
○ 2WP(acarina & aphids, 응애.진딧물) Apr.'87 : KN, BY, SG ○ 1EC(aphids, 진딧물) May'88, Jan.'07 : YI, ● 1EC(aphids, 진딧물) Feb.'08 : FR, FMC ○ 4FW(aphids, 진딧물) Dec.'06 : DHT ○ 8WG(acarina, 응애) Jan.'09(Re) : DF ○ 0.003ME(two-spotted spider mite, 점박이응애) Nov.'00 : DHT, Apr.'03 : FMC, GNS ○ 10EW(leafroller, 잎말이나방) Jan.'04 : FMC, GNS Feb.'08 : FR ○ 0.2GR(click beetle,, 방아벌레) Jan.'04 : FMC
Talstar 타스타, Capture 캡처, Brigard , Baynet 바이넷, Spuck 스퍽, Smufe 스머프, Buystar 바이스타, Quickdown 퀵다운

bifenthrin.buprofezin(I) **비펜트린.뷰프로페진**

○ 15+1.5WP(greenhouse whitefly, 온실가루이) Jun.'99 ~ Jan.'09 : KN
Sunpoong 선풍

bifenthrin.cadusafos(I) **비펜트린.카두사포스**

○ 0.1+2.5GR(nematoda, 선충) Nov.'03 : DB
Supercop 슈퍼캅

bifenthrin.chlorfenapyr(I) **비펜트린.클로르페나피르**

○ 1+2WP(beet army worm, 파밤나방) Dec.'06(Re) : DHT
Pabalma 파발마

bifenthrin.cyhexatin(I) **비펜트린.사이헥사틴**

○ 1.5+15(two-spotted spidermite, 점박이응애) Mar, '06 : SB
Bisanggu 비상구

bifenthrin.fluacrypyrim(I) **비펜트린.플루아크리피림**

○ 1.5+9SC(two-spotted spidermite, 점박이응애) Sep. '05 : SB
Bisanggu 비상구

bifenthrin.imidacloprid(I) **비펜트린.이미다클로프리드**

○ 2+8WP(apiraea aphid,조팝나무진딧물) Mar. '06 : DF
Cheonhamojeok 천하무적

bifenthrin.indoxacarb(I) **비펜트린.인독사카브**

○ 1+2.5WP(beet armyworm, 파밤나방) Mar.'05 : YI
Huryuni 후려니

bifenthrin.methoxyfenozide(I) **비펜트린.메톡시페노자이드**

○ 2+8SC(persimmon fruit moth, 감꼭지나방) Mar. '07 : SB
Nadoya 나도야

bifenthrin.profenofos(IF) **비펜트린.프로페노포스**

○ 1+15EC(aphids & tobacco budworm, 진딧물.담배나방) Apr.'93 ~Dec.'06
Shinnara

bifenthrin.pyridaben(I) **비펜트린.피리다벤**

○ 1.5+15SC(acarina, 응애) Jan.'08(Re) : SG
Sanmata 산마타

bifenthrin.pyrimidifen(I) **비펜트린.피리미디펜**

○ 1+2WP(acarina, 응애) Mar.'00, Jan. '04 : BY
Oasis 오아시스

bifenthrin.hexythiazox(I) **비펜트린.헥시티아족스**

○ 1.5+4.5WP(acarina, 응애) Feb.'97~Jan. '07
Boankwan

binapacryl(IF) **비나파크릴**

* 2-sec-butyl-4,6-dinitrophenyl 3-methylcrotonate (KMAF)
○ 40EC(acarina & powdery mildew, 응애.흰가루병) Feb.'71~Jan.'90 ○ 50WP(acarina & powdery mildew, 응애.흰가루병) Nov.'73~Jan.'92
Acricid, Endosan, Morocide, Morrocid

binapacryl.captan(F) **비나파크릴.캡탄**

○ 15+60WP(alternaria leaf sopt, 점무늬낙엽병) Oct.'84~Jul.'88

bispyribac-sodium(H) **비스피리박소듐**

Pyrimidinyloxybenzoic
* sodium 2,6-bis(4,6-dimethoxypyrimidin-2-yloxy)benzoate (KRDA)
○ 2SL(paddy field weeds, 논잡초) Jan.'09(Re) : KN
Namani 나마니

bistrifluron(I) **비스트리플루론**

Benzoylurea
○ 10EC(diamond-back moth, 배추좀나방) Oct. '06 : DHT
Hanaro 하나로

bistrifluron.flufenoxuron(I) **비스트리플루론.플루페녹수론**

○ 5+2SC(diamond-back moth, 배추좀나방) Mar.'09 : DF
Shooter 슈터

bitertanol(F) **비터타놀**

Triazole
* all-rac-1(biphenyl-4-yloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol (KMAF)
○ 25WP(white rot, 겹무늬썩음병) Dec.'01(Re) : KN, DHT, EB, BY, YI ○ 10FW(powdery mildew, 흰가루병) Apr.'96: DHT, Jun. '02: DF ○ 3PA(canker, 부란병) Feb.'97 : DHT ○ 40SC(white rot, 겹무늬썩음병) Feb.'98 ~Jan.'08
Gugeubdae, Baycor 바이코, Bangpaje 방파제, Ari bitanol 아리비타놀, Liverty 리버티, Banguhwang 방어왕

bitertanol.captan(F) **비터타놀.캡탄**

○ 5+50WP(white rot, 겹무늬썩음병) Apr.'87~Mar.'95
Baycor-C

bitertanol.propineb(F) **비터타놀.프로피네브**

○ 8+65WP(white rot & alternaria leaf spot, 겹무늬썩음병. 점무늬낙엽병) Dec.'06(Re) : DF, DHT, BY
Baycor-A 바이코 에이

bitertanol.tolylfluanid(F) **비터타놀.톨릴플루아니드**

○ 7+20FW(gray mold, 잿빛곰팡이병) Apr.'96 ~Dec.'06

blasticidin-S(F) **블라스티사이딘-에스**

Antibiotics
* benzyl ammino benzene sulphonate of 1-(4-ammino-1,2-dihydro-2-oxopyrimidin-1-yl)-4-[(S)-3-amino-5-(1-methylguanidino)valeramido]-1,2,3,4-tetradeoxy-β-D-erythro-hex-2-enopyranuronic acid (KMAF)
○ 2SL(rice blast, 도열병) Dec. '01(Re) : DF
Keumbora 금보라

blasticidin-S.isoprothiolane(F) **블라스티사이딘-에스.아이소프로올레인**

○ 1.4+20EC(rice blast, 도열병) Dec.'01(Re) : DHT, SG
Fuchi-S 후치-에스

blend of alkyl aryl polyethoxylate and sodium salt of alkyl sulfonate alkylate(O) **카바**

* blend of alkyl aryl polyethoxylate and sodium salt of alkyl sulfonate alkylate (KMAF)
○ 36+24SL(spreader, 전착제) Dec.'01 : KN, DB, DHT, SY, BY, YI, SG Mar. '04 : SM
Triton , Narake 나라크, Dagadan다가단, Youngil Cover 영일카바, Samgong Cover삼공카바, Cover Gold 카바골드, Dongbang cover 동방카바, Dongbu cober 동부카바, Powerlong 파워롱, Darnae 다르내

bordeaux-mixture(F) **보르도혼합액**

Inorganic
* A mixture of calcium hydroxide and copper(II)sulfate (KRDA)
○ 76.2(Cu20%)WG(elsinoe scab, 더뎅이병) Jul.'09(Re) : BY
Bordeauxpitcher 보르도피쳐

boscalid **보스칼리드**

* 2-Chloro-N-(4'-chlorobiphenyl-2-yl)nicotinamide(RDA)
● 47WG(gray mold, 잿빛곰팡이병) Feb. '03: DHT
Cantus 칸투스

boscalid.fludioxonil(F) **보스칼리드.플루디옥소닐**

○ 23.5+5SC(gray mold, 잿빛곰팡이병) Mar.'08 :DHT
S-one 에스원

boscalid.kresoxim-methyl(F) **보스칼리드.크레속심메틸**

● 17+8SC(powdery mildew, 흰가루병) Dec. '02 : SB
Collis 코리스

boscalid.pyraclostrobin(F) **보스칼리드.피라클로스트로빈**

● 17+8SE(gray mold, 잿빛곰팡이병) Dec. '02 : KN ● 13.6+6.8WG(powdery mildew, 흰가루병) Dec. '04 : KN
Bellis 벨리스, Bellis Plus 벨리스플러스

boscalid.triflumizole(F) **보스칼리드.트리플루미졸**

○ 20+10WP(gray mold, 잿빛곰팡이병) Mar.'08 : SG
Byungmori 병모리

bromacil(H) **브로막실**

Uracil
* 5-bromo-3-sec butyl-6-methyluracil (KMAF)
○ 80WP(orchard weeds, 과원잡초) Jun.'81 ~ Jun. '00
Hyvar-X

bromobutide(H) **브로모뷰타이드**

Amide
(RS)-2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)butyramide(IUPAC)

bromobutide.imazosulfuron.mefenacet(H) **브로모뷰타이드.이마조설퓨론.메페나셋**

○ 2.5+0.25+3.5GR(paddy field weeds, 논잡초) Mar.'08 : DB ○ 15+1.5+20SC(paddy field weeds, 논잡초) Mar.'09 : DHT
Jirumgil 지름길, Closer 클로저

bromobutide.imazosulfuron.metamifop(H) **브로모뷰타이드.이마조설퓨론.메타미포프**

○ 3+0.25+0.3GR(paddy field weeds, 논잡초) Mar.'09 : DHT
Chosanyang 초사냥

bromobutide.imazosulfuron.pyriminobac-methyl(H) **브로모뷰타이드.이마조설퓨론.피리미노박메틸**

○ 18+1.5+0.6SC(paddy field weeds, 논잡초) Mar.'09 : SG ○ 36+3+1.2GR(paddy field weeds, 논잡초) Mar.'09 : SG
Domata 도마타

bromobutide.oxadiazone(H) **브로모뷰타이드.옥사디아존**

○ 10+10EC(paddy field weeds, 논잡초) Mar.'09 : SG
Tracstar 트랙스타

bromobutide.pyrazosulfuron-ethyl.pyriminobac-methyl(H) **브로모뷰타이드.피라조설퓨론에틸.피리미노박메틸**

○ 3+0.07+0.1GR(paddy field weeds, 논잡초) Mar.'09 : SB ○ 36+0.84+1.2GR(paddy field weeds, 논잡초) Mar.'09 : SB
Sambakja 삼박자

bromobutide.thiobencarb(H) **브로모뷰타이드.티오벤카브**

○ 4+20SE(paddy field weeds, 논잡초) Mar.'09 : DB
Banseok 반석

bromopropylate(I) **브로모프로필레이트**

Benzilate
* isoropyl-4, 4′-dibromo benzilate (KMAF)
○ 45EC(acarina, 응애) Feb.′75 ~ Dec. ′01
Bobaedan

buprofezin(I) **뷰프로페진**

Thiadiazine
* 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one (KMAF)
○ 40SC(black pine scale, 솔껍질깍지벌레) (Dec.′96) ● 40SC(black pine bast scale, 솔껍질깍지벌레) Dec.′06(Re) : SG
Nogodan 노고단

buprofezin.cartap hydrochloride(I) **뷰프로페진.카탑하이드로클로라이드**

○ 50+10WP(plant hopper & grass leaf roller,멸구.혹명나방) May′88 ~Dec.′06
Dagal, Myulstar, Ganpanstar

buprofezin.clothianidin(I) **뷰프로페진.클로티아니딘**

○ 10+3 SC(scales, 깍지벌레류) Apr. ′04 : DHT
Mammod 매머드

buprofezin.dinotefuran **뷰프로페진.디노테퓨란**

○ 20+15WP(japanese gall-forming thrips, 감관총채벌레) Mar. ′07 : DHT
Geomgaek 검객

buprofezin.etofenprox(I) **뷰프로페진.에토펜프록스**

○ 8+5 WP(plant hopper, 멸구) Mar. ′02 : KN ○ 15+8 WG(pear sucker, 꼬마배나무이) Sep.′08 : EB
Protan 프로탄, Empire 엠파이어

buprofezin.fenobucarb(I) **뷰프로페진.페노뷰카브**

○ 1+ 2DP(plant hopper, 멸구) Dec. ′01(Re) : KN, BY, YI Mar. ′04 : SM ○ 0.5+2MG(plant hopper, 멸구) Jul.′87 ~Dec.′06 ○ 5+20WP(plant hopper, 멸구) Dec.′06(Re) : KN, SB, YI, May ′00: SG Mar. ′04 : SM ○ 0.5+2DL(plant hopper, 멸구) Mar.′92 ~Dec.′06
Aprobassa 아프로밧사, Keumjatap 금자탑, Myuljabi 멸자비, Myulpro 멸프로

buprofezin.furathiocarb(I) **뷰프로페진.퓨라티오카브**

○ 20+ 8WP(scales, 깍지벌레) Mar.′99 ~ Jan.′09 : SY
Jabiwang 자비왕

buprofezin.imidacloprid(I) **뷰프로페진.이미다클로프리드**

○ 0.5+1.5GR(cotton aphid, 목화진딧물) Jan′08 : SM
first king 퍼스트킹

buprofezin.isoprocarb(I) **뷰프로페진.아이소프로카브**

○ 0.5+2MG(plant hopper, 멸구) Mar.′87 ~May′90 ○ 5+20WP(plant hopper, 멸구) Dec.′06(Re) : DF, DHT ○ 0.5+2DL(plant hopper, 멸구) Apr.′89 ~ Mar.′92 ○ 1+2DP(plant hopper, 멸구) Mar. ′02: DHT
Myulsariwang 멸사리왕, Jeogjung적중, Myulssak멸싹

buprofezin.methoxyfenozide(I) **뷰프로페진.메톡시페노자이드**

○ 11+4 WP(brown rice plant hopper, 벼멸구) Jul. ′03 : KN
Sunhotan 선호탄

buprofezin.metolcarb(I) **뷰프로페진.메톨카브**

○ 1+2DP(plant hopper, 멸구) Jul.'87 ~Dec.'06
Myulgutan

buprofezin.silafluofen(I) **뷰프로페진.실라플루오펜**

○ 8+5WP(plant hopper, 멸구) Dec.'06(Re) ~ Jan.'09 : DB
Keuchina 끄치나

buprofezin.tebufenozide(I) **뷰프로페진.테부페노자이드**

○ 12+5WP(plant hopper & grass leafroller, 멸구.혹명나방) Dec.'06(Re) : KN
Onnuri 온누리

buprofezin.thiacloprid(I) **뷰프로페진.티아클로프리드**

○ 20+5SC(mulberry mealybug 가루깍지벌레) Mar.'08 :BY
Baekseung 백승

butachlor(H) **뷰타클로르**

Chloroacetamide
* N-(butoxymethyl)-2-chloro-2',6'-diethylacetanilide
○ 58.8EC(upland weeds, 밭잡초) Dec.'01(Re): KN, DB, DF, DHT, SY, BY, YI, SG, CI ○ 6GR(paddy field weeds, 논잡초) Feb.'71~Mar.'96 ○ 33EC(paddy field weeds 논잡초) May'78~Dec.'96 ○ 5GR(paddy field weeds, 논잡초) Dec.'06(Re) : KN, DB, DF, DHT, SY, YI, SG, CI, SM ● 33EW(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : DHT, DF ○ 33EW(paddy field weeds, 논잡초) Apr.'01 : DHT, Feb.'02: DF
Machete-300 마세트300, Machete 마세트, Mcgran 매끄란, Maggisae 마끼새, Nonmat 논마트, Samgong buta 삼공부타, Ari Buta, 아리부타, Tuk Buta 특부타, Cheil Buta 제일부타, Misung Buta 미성부타, Dongbangagro Buta 동방아그로부타, Uil Buta 유일부타, Cheil Buta 제일부타, Monsantonon400 몬산토논400, Dongbang Buta 동방부타, Teuk Buta 특부타

butachlor.carfentrazone-ethyl(H) **뷰타클로르.카펜트라존에틸**

○ 2.5+0.25GR(paddy field weeds, 논잡초) Sep. '05 : DB
Weedcop 위드캅

butachlor.clomazone(H) **뷰타클로르.클로마존**

○ 20+1.6EC(paddy field weeds, 논잡초) Mar.'00 : DHT, Apr.'00 : DF
Sonsine 손시네, Murnjeonae 먼저네

butachlor.chlomethoxyfen(H) **뷰타클로르.클로메톡시펜**

○ 3+6GR(paddy field weeds, 논잡초) Feb.'83~Dec.'96
Nonopul

butachlor.cyclosulfamuron(H) **뷰타클로르.사이클로설파뮤론**

○ 2.5+0.15GR(paddy field weeds, 논잡초) Apr. '01 : DHT
Shinchowang 신초왕

butachlor.ethoxysulfuron(H) **뷰타클로르.에톡시설퓨론**

○ 3+0.08GR(paddy field weeds, 논잡초) Apr. '01 : DB
Fullzero 풀제로

butachlor.naproanilide(H) **뷰타클로르.나프로아닐라이드**

○ 4+6GR(paddy field weeds, 논잡초) Feb.'83～Dec.'96
Singran

butachlor.propanil(H) **뷰타클로르.프로파닐**

○ 25+25EC(paddy field weeds, 논잡초) Apr.'96 ～Dec.'06
Saeson

butachlor.pyrazolate(H) **뷰타클로르.피라졸레이트**

○ 3.5+6GR(paddy field weeds, 논잡초) Dec.'01(Re) : DF, DHT, YI ○ 4+4GR(paddy field weeds, 논잡초) (Apr.'89 ～Dec.'91)
Pumasi 푸마시, Pulhayan 풀하얀, Youngil Butazol 영일부타졸

butachlor.pyrazosulfuron-ethyl(H) **뷰타클로르.피라조설퓨론에틸**

○ 2.5+0.07GR(paddy field weeds, 논잡초) Dec.'06(Re) : DF, SG Feb. '01: DHT
Handul 한들, Keundeul 큰들, Gumbangsuk 금방석, Nonestar 노네스타

butachlor.pyrazoxyfen(H) **뷰타클로르.피라족시펜**

○ 3.5+6GR(paddy field weeds, 논잡초) Feb.'88～Dec.'96
Modumae

butachlor.quinoclamine(H) **뷰타클로르.퀴노클라민**

○ 3.3+4GR(paddy field weeds, 논잡초) Apr. '01 : DHT, Apr.'03: DF
Jechotan 제초탄

butafenacil(H) **뷰타페나실**

Pyrimidindione
1-(allyloxycarbonyl)-1-methylethyl 2-chloro-5-[1, 2, 3, 6-tetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]benzoate

butafenacil.glyphosate(H) **뷰타페나실.글리포세이트**

○ 3.6+14.4SC(orchard weeds, 과원잡초) Dec.'01～Jun.'02
Rebin

butralin(P) **뷰트랄린**

Dinitroaniline
* N-sec-butyl-4-tert-butyl-2,6-dinitroaniline(KRDA)
○ 36EC(growth inhibitor, 액아억제) Mar. '02 : SY
Nacona 나코나

butralin.decyl alcohol(P) **뷰트랄린.데실알코올**

● 8+48 EC(growth inhibitor, 액아억제) Mar. '07
Allcover 올카바

C

cadusafos(I) **카두사포스**

Organophosphate
* S,S-di-sec-butyl O-ethyl phosphorodithioate (KMAF)
○ 6GR(nematoda, 선충) Dec.'06(Re) : DF ○ 3GR(nematoda, 선충) Jan.'09(Re) : DHT ● 18.9CS(root-knot nematode, 뿌리혹선충) Apr. '06 : DF, FMC
Rugby 럭비, Apache 아파치, Rugbygold 럭비골드

cadusafos.carbosulfan(I) **카두사포스.카보설판**

○ 2.5+0.75GR(nematoda, 선충) Jan.'09(Re) : YI
Shariff 샤리프

cadusafos.clothianidin(I) **카두사포스.클로티아니딘**

○ 6+0.9GR(root-knot nematode, 뿌리혹선충) Mar.'08 : SG
Power Clean 파워크린

cafenstrole(H) **카펜스트롤**

* *N,N*-diethyl-3-mesitylsulfonyl-1*H*-1,2,4-triazole-1-carboxamide(KRDA)
○ 40 SC(paddy field weeds, 논잡초) Sep.'08 : DHT
Longpass 롱패스

cafenstrole.imazosulfuron(I) **카펜스트롤.이마조설퓨론**

○ 0.7+0.25GR(paddy field weeds, 논잡초) Mar. '06 : KN
Nonchunha 논천하

cafenstrole.penoxsulam(H) **카펜스트롤.페녹슐람**

○ 0.8+0.08GR(paddy field weeds, 논잡초) Sep.'08 : YI
Topmaega 탑매가

cafenstrole.pyrazosulfuron-ethyl(H) **카펜스토롤.피라조설퓨론에틸**

○ 1+0.07G(paddy field weeds, 논잡초) Oct. '06 : BY
Pulaencol 풀앤콜

calcium carbonate(P) **칼슘카보네이트**

calcium carbonate (KMAF)
○ 95WP(peel-puffing inhibitor, 부피방지) Dec.'01(Re) : DHT, SY, EB Mar. '04: SM
Clef-non 크레프논, Bokjori복조리, Misung Calcarbon 미성칼카본, EBM Calcarbon이비엠칼카본, Sae Calcarbon 새칼카본, Chaksaectan 착색탄

camphechlor(I) **캄페클로르**

* octachloro camphene (KMAF)
○ 50EC(common cabbage worm, 배추흰나비) Apr.'69～Apr.'83
Toxaphen

captafol(F) **캡타폴**

Phthalimide
* 1,2,3,6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio) phthalimide (KMAF)
○ 80WP(bitter rot, 탄저병) Mar.'72 ~ Apr.'93 ○ 39SC(bitter rot, 탄저병) Jun.'81 ~ Apr.'93
Difolatan, Moduna

captafol.deltamethrin.metalaxyl (IF) **캡타폴.델타메트린.메탈락실**

○ 40+7.5+0.5WP(phytophthora rot and tobacco budworm, 역병.담배나방) Feb.'88 ~ Apr.'93
Ridochu

captafol.metalaxyl(F) **캡타폴.메탈락실**

○ 40+7.5WP(phytophthora rot & bitter rot, 역병.탄저병) May'87~Apr.'93
Ridomil-D

captafol.oxadixyl(F) **캡타폴.옥사딕실**

○ 40+7.5WP(phytophthora rot & bitter rot, 역병.탄저병) (May'87 ~ Apr.'93)
Modusan

captafol.oxadixyl.lambda cyhalothrin(IF) **캡타폴.옥사딕실.람다사이할로트린**

○ 40+7.5+0.5WP(phytophthora rot & tobacco budworm, 역병.담배나방) May'87 ~ Apr.'93
Modurang

captafol.penconazole(F) **캡타폴.펜코나졸**

○ 60+2WP(alternaria leaf spot, 점무늬낙엽병) Apr.'87~Apr.'93
Donna-D

captafol.polyoxin B(F) **캡타폴.폴리옥신비**

○ 30+5WP(alternaria leaf spot, 점무늬낙엽병) Jul.'87~Apr.'93
Poly-S

captan(F) **캡탄**

Phthalimide
* 1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide (KMAF)
○ 50WP(bitter rot, 탄저병) Dec.'01(Re) : KN, DF, DHT, YI, SG Jan., '04 : BY ○ 5DP(soil fungicide, 토양소독) Nov.'77 ~ Apr.'93
Orthocide, Jungmil Captan, Kyungnong Captan경농캡탄, Dongbu Captan 동부캡탄, Youngil Captan영일캡탄, Samgong Captan 삼공캡탄, MisungSalkuntan미성살균탄, Chogangja초강자

captan.fosetyl-aluminium(F) **캡탄.포세틸알루미늄**

○ 40+40WP(alternaria leaf spot, 점무늬낙엽병) May'90 ~Dec.'06
Aliette-C

captan.iprodione(F) **캡탄.이프로디온**

○ 40+16WP(alternaria leaf spot, 점무늬낙엽병) Apr.'87 ~Dec.'06
Yakson, Frontier

captan.mepronil(F) **캡탄.메프로닐**

○ 40+40WP(seedling blight, 잘록병) May'88~Jan.'90

captan.penconazole(F) **캡탄.펜코나졸**

○ 47.5+2.5WP(powdery mildew, 흰가루병) Apr.'99 ~Dec.'06

captan.polyoxin B(I) **캡탄.폴리옥신비**

○ 60+5WP(alternaria leaf spot, 점무늬낙엽병) Dec.'01(Re) : DHT
Dongbu Polycaptan 동부포리캡탄

captan.yugipon(F) **캡탄.노닐페놀설폰산구리(유기폰)**

○ 30+30WP(arternaria leaf spot, 점무늬낙엽병) May'85~Mar.'94

carbaryl(I) **카바릴**

Carbamate
* 1-naphthyl methylcarbamate (KMAF)
○ 50WP(leafroller, 잎말이나방) Dec.'01(Re) : KN, DF, DHT, EB, YI, SG Jan. '04 : BY ○ 3DP(common cabbage worm, 배추흰나비) Feb.'71~Apr.'89 ○ 40.38SC(chestnut curculio, 밤바구미) Feb.'88~May'90
Sevin 세빈, Sedan 세단, Kyungnong NAC경농나크,Dongbu NAC동부나크, Youngil NAC 영일나크, EBM Suwhakker 이비엠수학커, Samgong NAC삼공나크

carbaryl.fenobucarb (I) **카바릴.페노뷰카브**

○ 1.5+1.5DP(plant hopper, 멸구) Apr.'83~Mar.'91
Myulvin

carbaryl.fluvalinate(I) **카바릴.플루발리네이트**

○ 30+2WP(common cabbage worm, 배추흰나비) Apr.'93 ~Dec.'06

carbaryl.phosalone(I) **카바릴.포살론**

○ 40+20WP(common cabbage worm, 배추흰나비) Jul.'92~Dec.'06
Neomideo

carbendazim(F) **카벤다짐**

Benzimidazole
* methyl benzimidazol-2-ylcarbamate (KMAF)
○ 60 WP(bitter rot, 탄저병) Dec.'01(Re) : KN, DB, DF, DHT, EB, BY, SB, YI, SG Mar. '03: SM ○ 41.5SC(scab, 검은별무늬병) Apr.'95 : KN, EB, Jan. ' 04 : BY
Jungmil Carbenda, Myco 마이코, Haemazi 해마지, Dongbu Carbenda동부가벤다, SungboCarbenda성보가벤다, YoungilCarbenda영일가벤다, EBM Carbenda 이비엠가벤다, Samgong Carbenda 삼공가벤다, SM Carbenda 에스엠가벤다, Dongbang Carbenda 동방가벤다, sunsuro 선수로, Youlkwang 열광

carbendazim.bifenthrin(IF) **카벤다짐.비펜트린**

○ 2+60WP(aphids & bitter rot, 진딧물.탄저병) Apr.'00 ~Dec.'06

carbendazim.diethofencarb(F) **카벤다짐.디에토펜카브**

○ 25+25WP(gray mold, 잿빛곰팡이병) Dec.'06(Re) : DB
Kaecutan 깨끄탄

carbendazim.difenoconazole(F) **카벤다짐.디페노코나졸**

○ 20+4 SC(black rot, 덩굴마름병) Mar.'05 : YI
Maganae 마가내

carbendazim.hexaconazole(F) **카벤다짐.헥사코나졸**

○ 50+1WP(bitter rot, 탄저병) Jan.'97 : SG
Coach, New Sangseuni 뉴상승이

carbendazim.imibenconazole(F) **카벤다짐.이미벤코나졸**

○ 50+7WP(white rot, 겹무늬썩음병) Feb.'97 : DB
Tooryutan 뚜려탄

carbendazim.iprodione(F) **카벤다짐.이프로디온**

○ 30+25WP(alternaria leaf spot, 점무늬낙엽병) Dec.'06(Re) : BY ○ 8+17SC(sheath blight, 잎집무늬마름병) Dec.'06(Re) : BY
Saemina 새미나, Calidan 카리단

carbendazim.kasugamycin(F) **카벤다짐.가스가마이신**

○ 40+3.45WP(bitter rot, 탄저병) Dec.'06(Re) : DB
Gochutan 고추탄

carbendazim.kresoxim-methyl(F) **카벤다짐.크레속심메틸**

○ 40+20WP(black spot, 검은점무늬병) Mar.'02 : DB
Jelljon 젤존

carbendazim.mepanilpyrim(F) **카벤다짐.메파니피림**

○ 20+10SC(gray mold, 잿빛곰팡이병) Apr. '01 : KN
Neulzon 늘존

carbendazim.metalaxyl(F) **카벤다짐.메탈락실**

○ 45+17.5WP(crown rot & leaf spot, 역병.잎마름병) Apr.'92 : SB, YI Mar. '04 : SM
Ridocham 리도참, Bendamil 벤다밀

carbendazim.metalaxyl-M(F) **카벤다짐.메탈락실엠**

○ 45+9 WP(foot rot, 역병) Apr. '04 : SB
Ridocham Gold 리도참골드

carbendazim.myclobutanil(F) **카벤다짐.마이클로뷰타닐**

○ 40+3SC(scab, 검은별무늬병) Apr.'95 : KN
Manmanse 만만세

carbendazim.nuarimol(F) **카벤다짐.뉴아리몰**

○ 20+1.5SC(leaf spot, 둥근무늬낙엽병) Dec.'06(Re) : KN
Onmaeul 온마을

cabendazim.polyoxin D(F) **카벤다짐.폴리옥신디**

○ 50+1.5WP(bitter rot, 탄저병) Mar.'96 : YI
Chasedae 차세대

carbendazim.sulfur(F) **카벤다짐.황**

○ 10+30SC(powdery mildew, 흰가루병) Jan.'08(Re) : KN
Pungyoron 풍요론

carbendazim.vinclozolin(F) **카벤다짐.빈클로졸린**

○ 35+35WP(gray mold, 잿빛곰팡이병) Jul.'92 ~Dec.'06
Sodami

carbofuran(I) **카보퓨란**

Carbamate
* 2,3-dihydro-2,2-dimethylbenzofuran-7-yl methylcarbamate (KMAF)
○ 3GR(plant hopper & rice stemborer, 멸구.이화명나방) Dec.'01(Re) : KN, DB, DF, DHT, SY, EB, BY, YI, SG Mar. '04 : SM
Furadan후라단, Carbodan카보단, Curaterr큐라텔, Carbotel 카보텔, Samgong carbo 삼공카보, EBM Mulbasari 이비엠물바사리, Hwangje Carbo 황제카보, Dongbang carbo 동방카보

carbofuran.isoprocarb(I) **카보퓨란.아이소프로카브**

○ 2+2GR(rice water weevil, 벼물바구미) May'90 ~Dec.'06
Dure

carbon disulfide(O) **카본디설파이드**

* carbon disulphide (KMAF)

carbon disulfide.tetrachloromethane(O) **카본디설파이드.테트라클로로메탄**

○ 82.82+16.41GA(storage insects, 저곡해충) Apr.'85~Mar.'86

carbophenothion(I) **카보펜노티온**

* S-4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate (KMAF) S-(4-chlorophenylthio) methyl O,O-diethyl phosphorodithioate
○ 25WP(acarina,응애) Nov.'72~Feb.'90 ○ 3DP(plant hopper, 멸구) Jan.'74~Mar.'81 ○ 45EC(acarina,응애) Nov.'77~Oct.'86
Trithion

carbosulfan(I) **카보설판**

Carbamate
* 2,3-dihydro-2,2-dimethylbenzofuran-7-yl(dibutylaminothio) methylcarbamate (KMAF)
○ 5GR(rice water weevil, 벼물바구미) May'90~Jan.'94, Mar.'02 : SG ○ 3GR(rice water weevil, 벼물바구미) Apr.'93 : KN, DHT Feb. '01 : YI ○ 20WP(aphids, 진딧물) Feb.'97 : KN, DHT ● 25WS(rice water weevil, 벼물바구미) Mar.'00 : KN ● 20SC(rice water weevil, 벼물바구미) Apr.'01 : SG Apr. '06 : SH
Marshal, Posse 포수, Margin 마진 Ssalzigi 쌀지기, Manrupo 만루포, Garjet 가제트

carbosulfan.halosulfuron-methyl.mefenacet(IH) **카보설판.할로설퓨론메틸.메페나셋**

○ 4.0+0.18+3.5GR(paddy field weeds & rice water weevil, 논잡초.벼물바구미) Mar.'00 : KN
Megaton 메가톤

carbosulfan.imidacloprid(I) **카보설판.이미다클로프리드**

○ 10+2.5WP(cotton aphid, 목화진딧물) Mar.'05 : YI ○ 2+1GR(cotton aphid, 목화진딧물) Mar.'05 : YI
Saegangja 새강자

carbosulfan.methoxyfenozide(I) **카보설판.메톡시페노자이드**

○ 5+3WP(rice stemborer, 이화명나방) Mar. '06 : YI
Hokmyungtan 혹명탄

carbosulfan.orysastrobin(F) **카보설판.오리사스트로빈**

○ 3.5+3.5GR(leaf blast, 잎도열병) Mar. '07 : YI
Modeuni 모드니

carboxin(F) **카복신**

Carboxamide
* 5,6-dihydro-2-methyl-1,4-oxathiin-3-carboxanilide (KMAF)
Vitavax

carboxin.thiram(F) **카복신.티람**

○ 37.5+37.5DP(barley seed disinfectant, 맥류종자소독) Dec'01(Re) : DB
Vitathiram 비타지람

carfentrazone-ethyl(H) **카펜트라존에틸**

Triazolinone
* ethyl(RS)-2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl -5-oxo-1H-1,2,4-triazol-1-yl)-4-fluorophenyl]propionate (KRDA)
● 40WG(turf weeds, 잔디잡초) June '01 : YI Feb.'05 : GNS ● 21.3EW(turf weeds, 잔디잡초) Feb. '06 : DHT, FMC
Aim 애임, Aim Ace 에임에이스, Afinity 어피니티

carfentrazone-ethyl.clomazone(H) **카펜트라존에틸.클로마존**

○ 0.25+0.21GR(paddy field weeds, 논잡초) Mar.'03 : DB, Apr.'03: YI
Pinch hitter 핀치히터, Hammer 햄머

carfentrazone-ethyl.cyclosulfamuron.pyriminobac-methyl(H) **카펜트라존에틸.사이클로설파뮤론.피리미노박메틸**

○ 0.25+0.17+0.1 GR(paddy field weeds, 논잡초) Sep.'08 : YI
Pulmachim 풀마침

carfentrazone-ethyl.flucetosulfuron(H) **카펜트라존에틸.플루세토설퓨론**

○ 0.25+0.07 GR(paddy field weeds, 논잡초) Oct.'04 : SB
Nojucbong 노적봉

carfentrazone-ethyl.flucetosulfuron+Imazosulfuron(H) **카펜트라존에틸.플루세토설퓨론.이마조설퓨론**

○ 0.25+0.07+0.25GR(paddy field weeds, 논잡초) Oct' 07 : DB
Ari Nongbuson 아리농부손

carfentrazone-ethyl.glyphosate(H) **카펜트라존에틸.글리포세이트**

○ 0.52+12.5WG(orchard weeds, 과원잡초) Mar.'99~ Jan.'09 : DF, Apr.'99 ~ Jan.'09 : DHT ● 0.5+20ME(orchard weeds, 과원잡초) Apr.'04 : FMC, Feb.'08 : YI
Ilbal 일발, Rabbittle 래비틀, Nondookin 논둑킹

carfentrazone-ethyl.glyphosate-ammonium(H) **카펜트라존에틸.글리포세이트암모늄**

○ 25+0.7WG(orchard weeds, 과원잡초) Mar.'99 ~ Jan.'09 : KN
Hurry up허리엎

carfentrazone-ethyl.imazosulfuron.mefenacet(H) **카펜트라존에틸.이마조설퓨론.메페나셋**

○ 1+0.07G(paddy field weeds, 논잡초) Oct. '06 : SB ○ 0.6+1.5+21SE(paddy field weeds, 논잡초) Mar, '07 : YI
Nulpoongnyon 늘풍년, Youngilnumberone 영일넘버원

carfentrazone-ethyl.imazosulfuron.penoxulam(H) **카펜트라존에틸.이마조설퓨론.페녹슐람**

○ 0.1+0.25+0.08GR(paddy field weeds, 논잡초) Oct. '06 : DB
Daeyamang-C 대야망씨

carfentrazone-ethyl.imazosulfuron.pyriminobac-m(H) **카펜트라존에틸.이마조설퓨론.피리미노박메틸**

○ 0.25+0.25+0.1GR(paddy field weeds, 논잡초) Sep. '05 : SG
Fieldwan 필드왕

carfentrazone-ethyl.mefenacet.pyrazosulfuron-ethyl(H) **카펜트라존에틸.메페나셋.피라조설퓨론에틸**

○ 0.1+3.5+0.05 GR(paddy field weeds, 논잡초) Apr.'04 : DF
Samjungseung 삼정승

carfentrazone-ethyl.metamifop.pyrazosulfuron-ethyl(H) **카펜트라존에틸.메타미포프.피라조설퓨론에틸**

○ 0.25+0.3+0.07GR(paddy field weeds, 논잡초) Mar.'09 : DF
Dongnebangne 동네방네

carfentrazone-ethyl.penoxsulam(H) **카펜트라존에틸.페녹슐람**

○ 0.25+0.08GR(paddy field weeds, 논잡초) Sep. '05 : DB
Caesar 씨이저

carfentrazone-ethyl.penoxsulam.pyrazosulfuron-ethyl(H) **카펜트라존에틸.페녹슐람.피라조설퓨론에틸**

○ 0.15+0.08+0.07GR(paddy field weeds, 논잡초) Oct. '07 : SB
Nondaewang 논대왕

carfentrazone-ethyl.pretilachlor.pyrazosulfuron-ethyl(H) **카펜트라존에틸.프레틸라클로르.피라조설퓨론에틸**

○ 0.1+1+0.07GR(paddy field weeds, 논잡초) Sep. '05 : SG
Nonsubi 논수비

carfentrazone-ethyl.pyrazosulfuron-ethyl.pyriminobac-methyl(H) **카펜트라존에틸.피라조설퓨론에틸.피리미노박메틸**

○ 0.25+0.07+0.1 GR(paddy field weeds, 논잡초) Apr.'04 : SB
Annochur 안노처

carfentrazone-ethyl.thiobencarb(H) **카펜트라존에틸.티오벤카브**

○ 0.25+7GR(paddy field weeds, 논잡초) Sep. '05 : SB
Eumsun 엄선

carpropamid(F) **카프로파미드**

Carboxamide
* 2,2-dichloro-N-[1-(4-chlorophenyl)ethyl]-1-ethyl-3-methylcyclopropanecarboxamide (KMAF)
○ 15SC(rice blast, 도열병) Jan.'08(Re) : DHT ○ 2GR(rice blast, 도열병) Mar.'99 ~ Jan.'09 : BY ○ 4GR(rice blast, 도열병) Mar.'00 : BY ● 30SC(rice blast, 도열병) Mar.'00 : BY ○ 30SC(rice blast, 도열병) Apr.'04 : BY
Solaza 솔라자

carpropamid.edifenphos(F) **카프로파미드.에디펜포스**

○ 5+20EC(rice blast, 도열병) Mar.'99 ~ Jan.'09 : BY
Prowang 프로왕

carpropamid.fludioxonil.imidacloprid(IF) **카프로파미드.플루디옥소닐.이미다클로프리드**

○ 40+2+21WS(rice seed disinfectant, rice blast, rice water weevil & plant hopper, 종자소독, 도열병, 벼물바구미.멸구) Dec.'06(Re) : DHT
Jabara 자바라

carpropamid.imidacloprid(IF) **카프로파미드.이미다클로프리드**

○ 40+21WS(rice blast, rice water weevil & plant hopper, 도열병.벼물바구미.멸구) Apr.'96 : DHT ○ 2+2GR(rice blast & rice water weevil, 도열병.벼물바구미) Jan.'08(Re) : DHT
Kamena 카메나

carpropamid.iminoctadine triacetate(F) **카프로파미드.이미녹타딘.트리아세테이트**

○ 7+5SC(rice blast, 도열병) Sep. '05 : DHT
Numbowon 넘버원

carpropamid.prochloraz-Manganese.complex.imidacloprid(IF) **카프로파미드.프로클로라즈망가니즈.이미다클로프리드**

○ 40+1.5+21WS(seed disinfectant, rice water weevil, 종자소독, 벼물바구미) Apr. '01 : BY
MisungKiraseong 미성기라성

carpropamid.thiacloprid(IF) **카프로파미드.티아클로프리드**

○ 2+1GR(rice water weevil & rice blast, 벼물바구미.도열병) Mar.'02 : BY
Juchudol 주추돌

carpropamid.thifluzamide(F) **카프로파미드.티플루자마이드**

○ 2+3GR(sheath blight, 잎집무늬마름병) Mar.'00 : DHT
Keumjige 금지게

carpropamid.thifluzamide.imidacloprid(IF) **카프로파미드.티플루자마이드.이미다클로프리드**

○ 2+3+2GR(rice water weevil & rice blast, 벼물바구미.도열병) Mar.'00 : BY
Omori 오모리

cartap hydrochloride(I) **카탑하이드로클로라이드**

Cartap
* S,S'-2-dimethyl aminotrimethylene bis(thio carbamate)hydrochloride (KMAF)
○ 50SP(grass leaf roller & rice stemborer, 혹명나방.이화명나방) Dec.'01(Re) : KN, DB, DF,DHT, SB, SG Apr.'05: SM ○ 4GR(grass leaf roller & rice stemborer, 혹명나방.이화명나방) Dec.'01(Re) : KN, DB, DF, DHT, SB, SG ○ 2DP(grass leaf roller & rice stemborer, 혹명나방.이화명나방) Jun.'81～Oct.'86 ○ 75SG(diamond-back moth, 배추좀나방) Mar.'00 : SY
Calchonngtan, KyungnongCartap경농칼탑, Padan 파단, Seda 쎄다, Sedase 세다세, Chongryongdo 청룡도, Sungbo Cartap 성보칼탑, Goldenshot 골든샷, Ari Cartap 아리칼탑

cartap hydrochloride.etofenprox(I) **카탑하이드로클로라이드.에토펜프록스**

○ 3.5+0.8GR(rice water weevil, 벼물바구미) Mar.'94 ～Dec.'06
Dash

cartap hydrochloride.thiamethoxam(I) **카탑하이드로클로라이드.티아메톡삼**

○ 45+1SG(rice stemborer, 이화명나방) Sep. '05 : SY
Natera 나테라

chinomethionat(I) **치노메티오나트**

* 6-methyl-1,3-dithiolo [4,5-b] quinoxalin-2-one (KMAF)
○ 25WP(acarina, 응애)Jun.'80 ~ Dec. '01
Morestan

chlorantraniliprole(I) **클로란트라닐리프롤**

3-bromo-4′-chloro-1-(3-chloro-2-pyridyl)-2′-methyl-6′-(methylcarbamoyl) pyrazole-5-carboxanilide (IUPAC)
○ 5WG(beet army worm, 파밤나방) Apr.'08 : DHT ○ 0.4GR(rice water weevil,벼물바구미) Mar.'09 : KN ○ 2.7SC(rice stemborer, 이화명나방) Mar.'09 : KN ○ 4WP(grass leafroller, 혹명나방) Mar.'09 : YI
Altacor 알타코아, Powerstar 파워스타, Soros 쏘로스, Provathon 프레바톤

chlorantraniliprole.Indoxacarb(I) **클로란트라닐리프롤.인독사카브**

○ 3+4 WG(rice stemborer, 이화명나방) Mar.'09 : DB
Alrise 알리세

chlorantraniliprole.lambda-cyhalothrin(I) **클로란트라닐리프롤.람다사이할로트린**

● 8.5+4.3SC(oriental fruit moth, 복숭아순나방) Mar.'09 : SY
Ampligo 앰풀리고

chlorantraniliprole.thiamethoxam(I) **클로란트라닐리프롤.티아메톡삼**

○ 8+16.5WG(western flower thrips, 꽃노랑총채벌레) Mar.'09 : SY
Voliam-flexi 볼리암-후레쉬

chlomethoxyfen(H) **클로메톡시펜**

Diphenyl ether
* 5-(2,4-dichlorophenoxy)-2-nitroanisole (KMAF) 2,4-dichlorophenyl 3-methoxy-4 nitrophenyl ether
○ 7GR(paddy field weeds, 논잡초) Dec. '01(Re) : KN, SG
Ohndre 온드레, Kyungnong Chlot 경농그로트

chlorfenapyr(I) **클로르페나피르**

Arylpyrrole
* 4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethyl-pyrrole-3-carbonitrile (KMAF)
○ 10SC(acarina, 응애) Feb.'97 : DHT, SG ○ 5WP(thrips, 총채벌레) Jan.'97 : KN, YI, SG ○ 5EC(beet army worm, 파밤나방) Jan.'97 : DB, DHT, YI, SG ● 50WG(beet army worm, 파밤나방) Mar.'99 ~ Jan.'09 : SG
Secure 섹큐어, Solnight 솔나이트, Rampage 렘페이지

chlorfenapyr.clothianidin(I) **클로르페나피르.클로티아니딘**

○ 2.5+3 EC(thrip, 총채벌레) Mar. '05 : SB ○ 6+6 SC(thrip, 총채벌레) Mar. '07 : SB
Seomgwang 섬광, Strike 스트라이크

chlorfenapyr.fenbutatin-oxide(I) **클로르페나피르.펜부타틴옥사이드**

○ 2.5+15SC(acarina, 응애) Feb.'97 : SG Mar. '05 : DF
Caesar 시이져

chlorfenapyr.fluacrypyrim(I) **클로르페나피르.플루아크리피림**

○ 4+18 WP(spider mites, 응애류) Apr.'04 : YI ○ 4+18 SC(spider mites, 응애류) Apr.'04 : YI
Tackcle 태클

chlorfenapyr.flufenoxuron(I) **클로르페나피르.플루페녹수론**

○ 3+1.5DC(acarina, 응애) Jan.'09(Re) : DB
Hester 헤스터

chlorfenapyr.pyridaben(I) **클로르페나피르.피리다벤**

○ 3+10SC(acarina, 응애) Jan.'08(Re) : SG
Synergy 시너지

chlorfenapyr.teflubenzuron(I) **클로르페나피르.테플루벤주론**

○ 3+2SC(apple leafminer, 사과굴나방) Mar.'00 : KN
Hit 히트

chlorfenapyr.thiamethoxam(F) **클로르페나피르.티아메톡삼**

○ 3+3SC(western flower thrips, 꽃노랑총채벌레) Mar. '07 : DHT
Riduwang 리더왕

chlorfenson(I) **클로르펜손**

* 4-chlorophenyl 4-chlorobenzenesulphonate (KMAF)
○ 50WP(acarina, 응애) Dec.'72 ~ Dec.'01

chlorfenson.dichlorvos(I) **클로르펜손.디클로보스**

○ 15+40EC(aphids, 진딧물) Sep.'85~Jun.'91

chlorfenvinphos(I) **클로르펜빈포스**

Organophosphate
* 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate (KMAF)
○ 24EC(common cabbage worm, 배추흰나비)Apr.'69~Jun.'91 ○ 1.5DP(soil insects, 토양해충) Nov.'82~Mar.'92
Birlane, Sapecron

chlorfluazuron(I) **클로르플루아주론**

Benzoylurea
* 1-(3,5-dichloro-4-(3-chloro-5-trifluoromethyl-2-pyridyl-oxy)phenyl)-3-(2,6-difluoro-benzoyl)urea (KMAF)
○ 5EC(fall webworm, 흰불나방) Dec.'06(Re) : KN ● 10SC(leafroller, 잎말이나방) Mar.'03 : KN
Ataburon 아타브론

chlormequat chloride(P) **클로르메콰클로라이드**

Quaternary ammonium
* 2-chloroethyl-trimethyl ammonium chloride (KRDA)
○ 42.4SL(growth inhibitor, 생장억제) Apr.'97 ~ Jan.'07
CCC

chlornitrofen(H) **클로르니트로펜**

* 2,4,6-trichloro phenyl-4-nitrophenyl ether (KMAF)
○ 20EC(upland weeds, 밭잡초) Apr.'69~Jul.'99 ○ 7GR(paddy field weeds, 논잡초) Mar.'71~Apr.'82 ○ 9GR(paddy field weeds, 논잡초) Mar.'71~Mar.'96 ○ 50WP(upland weeds, 밭잡초) Nov.'90~Mar.'96

chlornitrofen.napropamide(H) **클로르니트로펜.나프로파마이드**

○ 20+15EC(upland weeds, 밭잡초) Mar.'94 ~ Dec.'01

chlorobenzilate(I) **클로로벤질레이트**

* ethyl-4,4-dichlorobenzilate (KMAF)
○ 25EC(acarina, 응애) Feb.'70~Jan.'90
Akar, Folbex, Acaraben

chloropicrin(F) **클로로피크린**

* trichloro nitromethane (KMAF)
○ 99.5GA(soil fungicide, 토양소독) May'85~May'90

chloropicrin.methyl bromide(F) **클로로피크린.메틸브로마이드**

● 14+32GA(soil fungicide, 토양소독) Jun.'81 ~ Dec. '01
Cylon

chlorothalonil(F) **클로로탈로닐**

Chloronitrile
* tetrachloroisophthalonitrile
○ 75WP(bitter rot, 탄저병) Dec.'01(Re) : KN, DHT, SY, SB, YI, SG Dec.'03:BY, Apr.'04:SM ○ 40SC(bitter rot, 탄저병) Apr.'89~Mar.'92 ○ 53SC(leaf curl, 잎오갈병) Mar.'00 : KN ○ 82.5WG(alternaria leaf spot, 점무늬낙엽병) Jul. '03 : KN ○ 10DP(club root, 뿌리혹병) Mar '06 : SB
Daconil 다코닐, Kumbira 금비라,Daconil Ace다코닐에이스, Saenari새나리, Youngil Thalonil 영일타로닐, Choke초우크, Golgoru골고루, Arythalonil 아리타로닐, Bburihokdda 뿌리혹따, Nongwoozin 농우진

chlorothalonil.copper sulfate basic(F) **클로로탈로닐.코퍼설페이트베이식**

○ 30+35Cu로서 WP(alternaria blight, 점무늬병) Mar. '06 : YI
Youngilneoni 영일네오니

chlorothalonil.cyazofami(F) **클로로탈로닐.사이아조파미드**

● 40.3.2SC (fruit rot, 역병) Dec. '06 ISK
Doshas 도샤스

chlorothalonil.cymoxanil(F) **클로로탈로닐.사이목사닐**

● 60+6WG(foot rot, 역병) Mar.'09 : AL
Gyundaewang 균대왕

chlorothalonil.cymoxanil(F) **클로로탈로닐.사이목사닐**

○ 40+6WP(downy mildew, 노균병) Jul.'09(Re) : KN
Sendanil 센다닐

chlorothalonil.deltamethrin(IF) **클로로탈로닐.델타메트린**

○ 50+0.5WP(scab & tobacco budworm, 탄저병.담배나방) Apr.'90～Mar.'94

chlorothalonil.difenoconazole(F) **클로로탈로닐.디페노코나졸**

○ 20+4 SC(black rot, 덩굴마름병) Mar.'05 : YI ○ 20+4 WG(powdery mildew, 흰가루병) Sep. '05 : DF
Dandan 단단, Easy farm 이지팜

chlorothalonil.dimethomorph(F) **클로로탈로닐.디메토모르프**

○ 65+10WP(fruit rot, 역병) Mar.'05 : DHT
Gyunstar 균스타

chlorothalonil.kasugamycin(F) **클로로탈로닐.가스가마이신**

○ 30+5SC(crown rot, 역병) Mar. '07 : DB
Bigman 빅맨

chlorothalonil.kresoxim-methyl(F) **클로로탈로닐.크레속심메틸**

○ 35+7SC(anthracnose, 탄저병) Mar.'05 : YI
Kyungtan 경탄

chlorothalonil.mancozeb(F) **클로로탈로닐.만코제브**

○ 40+35WP(bitter rot, 탄저병) May'87 : KN, YI Dec.'03 : BY
Codai 코다이, Trio 트리오, Youngil Thaloman영일타로만

chlorothalonil.mandipropamid (F) **클로로탈로닐.만디프로파미드**

● 31.5+3SC(foot rot, 역병) Oct. '07 :SY
Revus Opti 래버스옵티

chlorothalonil.metalaxyl-M(F) **클로로탈로닐.메탈락실-엠**

○ 31.5+3SC(late blight, 탄저병) Mar.'05 : SY May. '05 : KN
Folio Gold 폴리오골드, Save 세이브

chlorothalonil.myclobutanil(F) **클로로탈로닐.마이클로뷰타닐**

○ 55+2WP(downy mildew & bitter rot, 노균병.탄저병) Dec.'06(Re) : KN
Damoa 다모아

chlorothalonil.oxadixyl(F) **클로로탈로닐.옥사딕실**

○ 60+7.5WP(crown rot & bitter rot, 역병.탄저병) Dec.'06(Re) : KN, DHT
Cleanhit 크린힛, Encore 앙콜

chlorothalonil.oxadixyl.lambda-cyhalothrin(IF) **클로로탈로닐.옥사딕실.람다사이할로트린**

○ 40+7.5+0.5WP(acarina & crown rot, 진딧물.역병) Oct.'93 ～Dec.'06
Pasookoon

chlorothalonil.oxine-copper(F) **클로로탈로닐.옥신코퍼**

○ 40+20WP(white rot, 겹무늬썩음병) May'87 : KN Dec.'03 : BY
Hanarum 한아름

chlorothalonil.penconazole(F) **클로로탈로닐.펜코나졸**

○ 60+2WP(powdery mildew, 흰가루병) Apr.'99 ~Dec.'06

chlorothalonil.propamocarb hydrochloride(F) 클로로타로닐.프로파모카브하이드로클로라이드

○ 31+31SC(late blight, 역병) Mar.'00 : DB
Shinsedae 신세대

chlorothalonil.propineb(F) **클로로탈로닐.프로피네브**

○ 35+30WP(bitter rot & white rot, 탄저병.겹무늬썩음병) Oct.'93 : DHT
Dolpung 돌풍

chlorothalonil.pyrimethanil(F) **클로로탈로닐.피리메타닐**

○ 31+12.4SC(gray mold, 잿빛곰팡이병) Dec.'01 : SB
Tamsil 탐실

chlorothalonil.streptomycin(F) **클로로탈로닐.스트렙토마이신**

○ 50+5WP(bacterial soft rot, 무름병) Apr. '01 : KN
Altri 알뜨리

chlorothalonil.tebuconazole(F) **클로로탈로닐.테부코나졸**

○ 27+23WP(bitter rot, 탄저병) Mar.'08 : AL
Tebuco, Richone 리치원

chlorothalonil.tricyclazole(F) **클로로탈로닐.트리사이클라졸**

○ 50+8 WP(anthracnose, 탄저병) Apr. '04 : DHT
Gidaechan 기대찬

chlorothalonil.trifloxystrobin(F) **클로로탈로닐.트리플록시스트로빈**

○ 30+5SC(bitter rot, 탄저병) Mar.'08 : BY
Safer 세이퍼

chlorpropham(P) **클로르프로팜**

Carbamate
* isopropyl 3-chlorocarbanilate (KMAF)
○ 45.8EC(germinating inhibitor, 맹아억제) Jun.'95 : KN
Haemalkeun 해말근

chlorpyrifos(I) **클로르피리포스**

Organophosphate
* O,O-diethyl-O-3,5,6-trichloro-2-pyridyl phosphorothioate
○ 25WP(leafroller, 잎말이나방) Dec. '01(Re) : KN, DB, DF, DHT, EB, BY, SB, YI, SG Mar.'04 : SM ○ 2DP(soil insects, 토양해충) Feb.'80~May'88 ○ 2GR(rice stemborer, 이화명나방) Dec. '01(Re) : KN, DHT, EB, SG ○ 20EC(leafroller, 잎말이나방) Dec. '01(Re) : KN, DF, DHT, EB, BY, YI, SG ● 72WG(cottenycushion scale, 이세리아깍지벌레) May '01 : DHT ● 21ME(cottenycushion scale, 이세리아깍지벌레) Feb '03 : SG
Dursban 더스반, Myungsasu 명사수, Chungmori 충모리, Kyungnong Chlopho 경농그로포, Ari Chlopho 아리그로포, Geopo 거포, SM Chlopho 에스엠그로포, Pokgyeokgi 폭격기, Kkakgitan 깍지탄, kiltochoong, Kwang-power 광파워

chlorpyrifos.acetamiprid(I) **클로르피리포스.아세타미프리드**

○ 20+1.5WP(aphids, 진딧물) Feb.'98 ~ Jan.'08
Seungbusu

chlorpyrifos.alpha-cypermethrin(I) **클로르피리포스.알파사이퍼메트린**

○ 10+1EC(aphids & apple leafminer, 진딧물.사과굴나방) Apr.'93 : SB Jan. '04 : BY
Kangtaja 강타자, Chingultan 진굴탄

chlorpyrifos.bifenthrin(I) **클로르피리포스.비펜트린**

○ 15+1.2WP(acarina & aphids, 응애.진딧물) Dec.'06(Re) : DF
Jilpung 질풍

chlorpyrifos.cypermethrin(I) **클로르피리포스.사이퍼메트린**

○ 10+2.5EC(aphids, 진딧물) Dec.'06(Re) : DF, DHT
Topdan 톱단

chlorpyrifos.diflubenzuron(I) **클로르피리포스.디프루벤주론**

○ 20+7WP(apple leafminer & leafroller, 사과굴나방.잎말이나방) Apr.'92, Dec.'03 : BY
Yamuzin 야무진

chlorpyrifos.hexaflumuron(I) **클로르피리포스.헥사플루뮤론**

○ 1+20WP(apple leafminer & leafroller, 사과굴나방.잎말이나방) Apr.'95 ~Dec.'06
Saerotan

chlorpyrifos.imidacloprid(I) **클로르피리포스.이미다클로프리드**

○ 15+2.5WP(apple leafminer, 사과굴나방) Jan.'08(Re) : DHT
Gangtan 강탄

chlorpyrifos.lambda-cyhalothrin(I) **클로르피리포스.람다사이할로트린**

○ 10+0.5WP(leaf roller, 잎말이나방) Mar.'96 ~May.'08
Buriba

chlorpyrifos-methyl(I) **클로르피리포스메틸**

Organophosphate
* O,O-dimethyl-O-3,5,6-trichloro-2-pyridyl phosphorothioate
○ 25EC(rice stemborer,이화명나방) Dec.'01 : KN, DHT ○ 3GR(rice stemborer,이화명나방) Jun.'74~Oct.'88 ○ 5GR(rice water weevil,벼물바구미) Apr.'93 ~Dec.'06 ○ 20SO(rice water weevil,벼물바구미) Mar.'02 : DF
Reldan 렐단, Kyungnong Chlome경농그로메, Younguijung, Anyone 에니원

chromafenozide(I) **크로마페노자이드**

Diacylhydrazine
2′-tert-butyl-5-methyl-2′-(3,5-xyloyl)chromane-6-carbohydrazide(IUPAC)
○ 5EC(grass leafroller, 혹명나방) Oct. '07 : YI ○ 5SC(leafroller, 잎말이나방) Mar.'09 : YI
Hi-metrix 하이메트릭스, Youngil matrix 영일메트릭스

chromafenozide.chlothianidin(I) **크로마페노자이드.클로티아니딘**

○ 2.5+1.0EC(plant hopper, 벼멸구) Mar.'09 : SB
Ttukttak 뚝딱

cinosulfuron(H) **시노설퓨론**

Sulfonylurea
* 1-(4,6-dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy)phenylsulfonyl]urea (KMAF)

cinosulfuron.cyhalofop-butyl.propanil(H) **시노설퓨론.사이할로포프뷰틸.프로파닐**

○ 0.5+6+5WG(paddy field weeds, 논잡초) Feb.'97 ~ Jan.'07
High Kill

cinosulfuron.daimuron.mefenacet(H) **시노설퓨론.다이뮤론.메페나셋**

○ 0.08+1.5+3.5GR(paddy field weeds,논잡초) Feb.'98 ~Dec.'06

cinosulfuron.molinate(H) **시노설퓨론.몰리네이트**

○ 0.08+5GR(paddy field weeds, 논잡초) Apr.'95 ~Dec.'06
Bujanon

cinosulfuron.molinate.simetryn(H) **시노설퓨론.몰리네이트.시메트린**

○ 0.08+7+0.3GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : DHT
Keunbuja 큰부자

cinosulfuron.pyriftalid(H) **시노설퓨론.피리프탈리드**

○ 0.08+0.6GR(paddy field weeds, 논잡초) Apr. '01 : SY ● 4.8+36WG(paddy field weeds, 논잡초) Apr. '01 : SY
Apiro Ace 아피로에이스

clethodim(H) **클레토딤**

Cyclohexanedione
* (±)-2-[(E)-1-[(E)-3-chloroallyloxyimino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxycyclohex - 2-enone (KMAF)
○ 25 EC(upland weeds, 밭잡초) Oct.'92 ~ Apr.'03 ○ 12.5EC(upland weeds, 밭잡초) Dec.'06(Re) : DB
Select 셀렉트

clofentezine(I) **클로펜테진**

Tetrazine
* 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine (KMAF)
○ 50WP(acarina, 응애) Dec.'01(Re) : KN, BY ○ 42SC(acarina, 응애) Dec.'06(Re) : KN, Jan.'04 : BY
Saran 사란, Alzaba 알자바

clofentezine.fenbutatin-oxide(I) **클로펜테진.펜뷰타틴옥사이드**

○ 20+25SC(acarina, 응애) Apr.'93 ~ Dec.'01

clomazone(H) **클로마존**

Isoxazolidinone
* 2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one (KMAF)
○ 47.1EC(upland weeds, 밭잡초) Apr.'89~Mar.'95 ○ 2 GR(upland weeds, 밭잡초) Dec.'06(Re) : DF Jan. '04 : BY
Kongmand 콩맨드

clomazone.pentoxazone(H) **클로마존.펜톡사존**

○ 2.5+5EC(paddy field weeds, 논잡초) Mar.'09 : YI
Pungnyeoncho 풍년초

clomazone.pretilachlor(H) **클로마존.프레틸라클로르**

○ 1.6+14EC(paddy field weeds, 논잡초) Mar.'09 : YI
Youngil jaerowon 영일제로원

clothianidin(I) **클로티아니딘**

Neonicotinoid
*(E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine(KRDA)
○ 8SG(aphids, 진딧물) Mar. '02 : DB ○ 8WP(aphids, 진딧물) Mar. '02 : SB ○ 1GR(aphids, 진딧물) Mar. '02 : SG, DHT ○ 8SC(aphids, 진딧물) Mar. '02 : SG ○ 0.5GR(rice water weevil, 벼물바구미) Jan. '03 : DHT ○ 21WS(rice water weevil, 벼물바구미) Mar. '05 : DHT ○ 20SL(sycomore lacebug, 버즘나무방패벌레) Mar. '06 : SB ○ 1.8GR(green peach aphid, 복숭아혹진딧물) Mar. '07 : DHT
Toksori똑소리, Sesimi세시미, Myungga명가, Bigcard빅카드, Omega 오메가, Hidden shot 히든샷, Newmyeongga 뉴명가, Volcano 볼케이노

clothianidin.methoxyfenozide(I) **클로티아니딘.메톡시페노자이드**

○ 7+8SC(citrus leafminer, 귤굴나방) Mar.'08 : DB
Utopia 유토피아

clothianidin.pyridalyl(I) **클로티아니딘.피리달릴**

○ 8+16SC(citrus leafminer, 귤굴나방) Mar.'08 : DB
Superball 슈퍼볼

cloxyfonac(P) **클록시포낙**

* sodium-4-chloro-2-hydroxymethyl phenoxyacetate (KMAF)
● 9.8SL(plant growth promoter, 생장촉진) Apr.'91 ~Dec.'06
Tomatlane

copper hydroxide(F) **코퍼하이드록사이드**

Inorganic
* copper hydroxide (KMAF)
○ 77WP(early blight, 겹둥근무늬병) Dec.'01 : KN, DB, DF, DHT, BY, YI, Mar. '04 : SM ● 77WG(white rot, 겹무늬썩음병) Mar.'95 ~Dec.'06 ● 52WG(scab, 더뎅이병) Apr.'04 : DF
Kocide 코사이드, Youngil Cuper 영일쿠퍼, Kyungnong Cuper경농쿠퍼, Coopercide 쿠퍼사이드, Goeunson 고운손, Dongbang Cuper 동방쿠퍼

copper hydroxide.dimethomorph(F) **코퍼하이드록사이드.디메토모르프**

○ 30+20WP(crown rot, 역병) Feb.'97 : DB
Santeutan 산뜨탄

copper hydroxide.oxadixyl(F) **코퍼하이드록사이드.옥사딕실**

○ 62+8WP(crown rot, 역병) Apr.'89 : DF, DHT
pomicide 포미사이드

copper hydroxide.streptomycin(F) **코퍼하이드록사이드.스트렙토마이신**

○ 50+10WP(fusarium rot, 궤양병) Apr.'89 : KN, DHT
Tamina 타미나

copper oxychloride(F) **코퍼옥시클로라이드**

Inorganic
* dicopperchloride trihydroxide (KMAF)
● 50WG(elsinoe scab, 더뎅이병) Mar.'95 ~Dec.'06
Youngil copper oxychloride

copper oxychloride.cymoxanil(F) **코퍼옥시클로라이드.사이목사닐**

○ 30+12WP(downy mildew, 노균병) Dec.'99 ~ Jan.'09 : DHT
Singgran 싱그란

copper oxychloride.dimethomorph(F) **코퍼옥시클로라이드.디메토모르프**

○ 35+15WP(crown rot, 역병) Dec.'06(Re) : SG
Forum-C 포룸씨

copper oxychloride.dithianon(F) **코퍼옥시클로라이드.디티아논**

○ 42+13WP(elsinoe scab,더뎅이병) Dec.'01(Re) : SG
Delan K 델란케이

copper oxychloride.fosetyl-aluminium(F) **코퍼옥시클로라이드.포세틸알루미늄**

○ 42+25WP(downy mildew, 노균병) Jun.'89 ~Dec.'06
Alidong

copper oxychloride.iprovalicarb(F) **코퍼옥시클로라이드.이프로발리카브**

○ 58.8(Cu 35)+12WP(downy mildew, 노균병) Jan. '04 : SG
Myeongseungbu, Seungbucher 승부처

copper oxychloride.kasugamycin(F) **코퍼옥시클로라이드.가스가마이신**

○ 45+5.75WP(bacterial spot, 반점세균병) Dec.'01(Re) : DB
Kasuran 가스란

copper oxychloride.metalaxyl(F) **코퍼옥시클로라이드.메탈락실**

○ 35+15WP(crown rot, 역병) Dec.'01(Re) : KN, SY, SB, YI, SG ○ 4.7+2GR(root rot, 뿌리썩음병) Jan.'09(Re) : KN
Ridomildong 리도밀동, SamgongMetasyldong 삼공메타실동

copper oxychloride.metalaxyl-M(F) **코퍼옥시클로라이드.메탈락실엠**

○ 35+7.5WP(downy mildew, 노균병) Jun.'02 : SY, Nov.'02: KN, SB, DF ○ 4.7+1GR(root rot, 뿌리썩음병) Sep. '05 : KN
Ridomil Gold Plus 리도밀골드플러스, Ridomildonggold 리도밀동골드

copper sulfate anhydrate(F) **황산동**

Inorganic
* copper sulfate anhydrate (KMAF)

copper sulfate anhydrate.sodium hydrogen-carbonate(F) **황산동.탄산수소나트륨**

● 30+46WP(bacterial spot, 반점세균병) Mar.'96 ~ Feb.'02
Dabok

copper sulfate basic(F) **코퍼설페이트베이식**

Inorganic
* copper sulfate basic (KMAF)
○ 9DP(false smut, 이삭누룩병) Apr. '86 ~ Dec. '01 ○ 58WP(baterial spot, 반점세균병) Dec.'06(Re) : YI
Bor-Z,Neo-Boldo 네오보르도

cuprous oxide(F) **쿠프러스 옥사이드**

Inorganic
* dicopper oxide (KMAF)
○ 58WP(elsinoe scab, 더뎅이병) May'88 ~Dec.'06
Shingidong

cuprous oxide.streptomycin(F) **큐프러스옥사이드.스트렙토마이신**

○ 30+8WP(fusarium rot, 궤양병) Dec' 07 :KN
Tamara 탐나라

cyazofamid(F) **사이아조파미드**

Imidazole
4-chloro-2-cyano-N,N-dimethyl-5-P-tolylimidazole-1-sulfonamide (KRDA)
● 10SC(root rot, 뿌리썩음병) Apr. '01 : KN
Miricut 미리카트

cycloprothrin(I) **사이클로프로트린**

Pyrethroid
* (RS)-α-cyano-3-phenoxybenzyl(RS)-2,2-dichloro-1-(4-ethoxyphenyl) cyclopropane carboxylate (KMAF)
○ 2GR(rice water weevil, 벼물바구미) Mar.'90 ~Dec.'06 ○ 10EC(rice water weevil, 벼물바구미) Mar.'90 ~ Feb. '02 ○ 5UG(rice water weevil, 벼물바구미) Feb.'98 ~ Jan.'08
Bakuwang

cyclosulfamuron(H) **사이클로설파뮤론**

Sulfonylurea
* 1-[2-(cyclopropylcarbonyl)phenylsulfamoyl]-3-(4,6-dimethoxypyrimidin-2-yl)urea (KRDA)
○ 10 WP(turf weeds, 잔디잡초) Mar.'03 Basf, Apr.'03 GNS
Makkni 매끄니

cyclosulfamuron.cyhalofop-butyl.pretilachlor(H) **사이클로설파뮤론.사이할로포프뷰틸.프레틸라클로르**

○ 0.2+0.6+1.5GR(paddy field weeds, 논잡초) Jun.'99 ~ Jan.'09 : KN
Chofewang 초패왕

cyclosulfamuron.dithiopyr(H) **사이클로설파뮤론.디티오피르**

○ 0.2+0.3GR(paddy field weeds, 논잡초) Mar.'00 : DHT
Myungsubi 명수비

cyclosulfamuron.fentrazamide(H) **사이클로설파뮤론.펜트라자마이드**

○ 0.17+0.7GR(paddy field weeds, 논잡초) Apr. '01 : SG ○ 1+5SO(paddy field weeds, 논잡초) Mar.'02 : DHT ○ 1.2+6 SC(paddy field weeds, 논잡초) Sep.'08 : DHT
Naegamae 내가매, Nonopul 노노풀, Goldnon 골드논

cyclosulfamuron.mefenacet(H) **사이클로설파뮤론.메페나셋**

○ 1.2+21SC(paddy field weeds, 논잡초) Jan.'09(Re) : DHT ○ 0.17+1.5GR(paddy field weeds, 논잡초) Mar.'03 : YI
Sonane 손아네, Youngil Cleanup 영일크린앞

cyclosulfamuron.molinate(H) **사이클로설파뮤론.몰리네이트**

○ 0.2+7GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : DHT
Sunbongjang 선봉장

cyclosulfamuron.pendimethalin(H) **사이클로설파뮤론.펜디메탈린**

○ 0.2+2.5GR(paddy field weeds, 논잡초) Mar.'00 : SG
Puldansok 풀단속

cyclosulfamuron.penoxsulam(H) **사이클로설파뮤론.페녹술람**

○ 1.2+0.48SC(paddy field weeds, 논잡초) Mar.'08 :SB
Nonbaemi 논배미

cyclosulfamuron.pentoxazone(H) **사이클로설파뮤론.펜톡사존**

○ 0.15+0.7GR(paddy field weeds, 논잡초) Mar.'03 : DHT
Joeunson 조은손

cyclosulfamuron.pretilachlor(H) **사이클로설파뮤론.프레틸라클로르**

○ 0.17+1.5GR(paddy field weeds, 논잡초) Mar.'03 : YI
Galmaji 갈마지

cyclosulfamuron.Pyriminobac-methyl(H) **사이클로설파뮤론.피리미노박메틸**

○ 0.17+0.1GR(paddy field weeds, 논잡초) Sep.'08 : YI
Youngil nonmada 영일논마다

cyenopyrafen **사이에노피라펜**

* (E)-2-(4-tert-butylphenyl)-2-cyano-1-(1,3,4-trimethylpyrazol-5-yl)vinyl 2,2-dimethylpropionate
○ 25SC(two-spotted spider mite, 점박이응애) Sep.'08 : SG
Shock 쇼크

cyflufenamid(F) **사이플루페나미드**

*(Z)-N-〔α-(cyclopropylmethoxyimino)-2,3-difluoro-6-(trifluoromethyl)benzyl〕-2-phenylacetamide(KRDA)

cyflufenamid.difenoconazole(F) **사이플루페나미드.디페노코나졸**

○ 1.5+10 SC(powdery mildew, 흰가루병) Apr. '06 : DB
Wulgyesu 월계수

cyflufenamid.hexaconazole(F) **사이플루페나미드.헥사코나졸**

○ 3.5+1 SC(powdery mildew, 흰가루병) Sep. '05 : SG ○ 1.5+10 SC(powdery mildew, 흰가루병) Apr. '06 : DB
Hint 힌트

cyflufenamid.triflumizole(F) **사이플루페나미드.트리플루미졸**

○ 1.5+8 EC(powdery mildew, 흰가루병) Sep. '05 : KN ● 2+10FU(rust, 붉은별무늬병) Oct. '06
Silverstar 실버스타, Synbitan 신비탄

cyflumetofen(I) **사이플루메토펜**

○ 20SC(citrus red mite, 귤응애) Mar. '07 : DB
Powet Shot 파워샷

cyfluthrin(I) **사이플루트린**

Pyrethroid
* (RS)-α-cyano-4-phenoxy benzyl(1RS)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclo-propane carboxylate (KMAF)
○ 5SL(citrus leafminer, 귤굴나방) May'84 ~ Jan.'92 ○ 2EC(citrus leafminer, 귤굴나방) Dec.'01 : DHT, BY ○ 5WP(peach fruit moth, 심식나방) Dec.'06(Re) : DHT, BY
Bayrin 바이린, Starter 스타터, Baythroid 바이스로이드

cyfluthrin.tebupirimfos(I) **사이플루트린.테부피림포스**

○ 0.1+2GR(click beetle, 방아벌레) Jan.'09(Re) : BY
Capinda 카핀다

cyhalofop-butyl(H) **사이할로포프뷰틸**

Phenoxypropionate
* butyl(R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate (KMAF)
○ 5EC(paddy field weed, 논잡초(barnyard grass)) Jan.'09(Re) : DHT
Cleanture 크린처

cyhalofop-butyl.dithiopyr.pyrazosulfuron-ethyl(H) **사이할로포프뷰틸.디티오피르.피라조설퓨론에틸**

○ 0.6+0.2+0.07GR(paddy field weeds, 논잡초) Mar.'00 : SG
Nondoctor 논닥터

cyhalofop-butyl.ethoxysulfuron(H) **사이할로포프뷰틸.에톡시설퓨론**

○ 0.6+0.1GR(paddy field weeds, 논잡초) Feb.'98 ~ Jan.'08
Pulanmae

cyhalofop-butyl.imazosulfuron(H) **사이할로포프뷰틸.이마조설퓨론**

○ 1.8+0.75GR(paddy field weeds, 논잡초) Oct.'98 ~Oct.' 08
Pulga

cyhalofop-butyl.imazosulfuron.pretilachlor(H) **사이할로포프뷰틸.이마조설퓨론.프레틸라클로르**

○ 0.6+0.25+1GR(paddy field weeds, 논잡초) Feb.'97 : DB ○ 3.6+1.5+6SE(paddy field weeds, 논잡초) Mar.'00 : DB
Nonjigi 논지기, Sonsiwoon 손시운

cyhalofop-butyl.pendimethalin(H) **사이할로포프뷰틸.펜디메탈린**

○ 4.8+25EC(paddy field weeds, 논잡초) Feb.'97 : DHT, Sep.'02: YI
Pultook 풀뚝, Gunpawang 건파왕

cyhalofop-butyl.pretilachlor.pyrazosulfuron-ethyl(H) **사이할로포프뷰틸.프레틸라클로르.피라조설퓨론에틸**

○ 1.8+3+0.21FG(paddy field weeds, 논잡초) Feb.'97 ~ Jan.'07
Keunsori

cyhalofop-butyl.pyrazosulfuron-ethyl(H) **사이할로포프뷰틸.피라조설퓨론에틸**

○ 3.6+0.42 UG(paddy field weeds, 논잡초) Apr.'04 : DF, DHT
Chunkeum 천금

cyhalofop-butyl.pyrazosulfuron-ethyl.simetryn(H) **사이할로포프뷰틸.피라조설퓨론에틸.시메트린**

○ 0.6+0.07+0.3GR(paddy field weeds, 논잡초) Mar.'02 : DHT
Nonbuja 논부자

cyhexatin(I) **사이헥사틴**

Organotin
* tricyclohexyltin hydroxide (KMAF)
○ 25WP(acarina, 응애) Jun.'76~Jan.'90 ○ 25WP(acarina, 응애) Jan.'08(Re) : KN, DB, SB, YI, SG, SM Apr.' 08 : DHT
Plictran 프릭트란, Youngil Cytin 영일싸이틴, Sungbo Cytin 성보싸이틴, Unggolro 응골로, famfamfam 팜팜팜, Nadaero 나대로, Ilyoungee 일용이

cyhexatin.tetradifon(I) **사이헥사틴.테트라디폰**

○ 15+8WP(acarina, 응애) Apr.'86~Jan.'90
Cyran

cymoxanil(F) **사이목사닐**

Cyanoacetamide
* 1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea (KMAF)

cymoxanil.ethaboxam(F) **사이목사닐.에타복삼**

○ 12+7WP(late blight, 역병) Mar.'02 : YI
Cleaner 크리너

cymoxanil.famoxadone(F) **사이목사닐.파목사돈**

● 30+22.5WG(downy mildew, 노균병) Jan.'09(Re) : DHT, DP ○ 24+18WP(late blight, 역병) Mar.'05 : DHT, DF ○ 12+9SC(downy mildew, 노균병) Jan.'09(Re) : SY
Ikoshion 이코션, Tanos 타노스, Ikathio 이카쵸

cymoxanil.fenamidone(F) **사이목사닐.페나미돈**

○ 12+5WP(crown rot, 역병) Mar.'02, Jan. '04 : BY
Moamoa 모아모아

cymoxanil.mancozeb(F) **사이목사닐.만코제브**

○ 6+50WP(white rot, 겹무늬썩음병) Apr.'96 : DHT
Curzy-M 커지엠

cymoxamil.tribasic copper sulfate(F) **사이목사닐.트리베이식코퍼설페이트**

○ 6+10SC(downy mildew, 노균병) Feb.'98~Jan.'08
Chambobae

cymoxanil.zoxamide(F) **사이목사닐.족사마이드**

○ 12+10WP(downy mildew, 노균병) Apr. '01 : DHT
Carnival 카니발

cypermethrin(I) **사이퍼메트린**

Pyrethroid
* (RS)-α-cyano-3-phenoxybenzyl-(1RS)-cis-trans-3-(2,2-dichlorovinyl) -2,2-dimethyl-cyclopropanecarboxylate (KMAF)
○ 5EC(leafroller, 잎말이나방) Dec.'01(Re):KN, DB, DF, DHT, EB, BY, SB, YI, SG, CI, AL Mar. '04 : SM
Arrivo 아리보, Piretan 피레탄, Haesom Pireth 헤솜피레스, Kyongnong Pyreth경농피레스, Jungmil Pyreth정밀피레스, Sungbo Pyreth성보피레스, Ari Pyreth아리피레스, EBM Pyreth이비엠피레스, Tuk Chungtan특충탄, Nadaero 나대로, Keres 케레스

cypermethrin.mecarbam(I) **사이퍼메트린.메카밤**

○ 2+20EC(aphids, 진딧물) May'87 ~ Dec.'01
Maegmocheo

cypermethrin.phosalone(I) **사이퍼메트린.포살론**

○ 2+25EC(aphids & citrus leafminer, 진딧물.귤굴나방) Feb.'00 ~Dec.'06
Mifrang

cypermethrin.pirimiphos-methyl(I) **사이퍼메트린.피리미포스메틸**

○ 2.5+25EC(aphids, 진딧물) Apr.'87 : YI
Singsing 싱싱

cypermethrin.tebupirimfos(I) **사이퍼메트린.테부피림포스**

○ 0.2+2GR(click beetle, 방아벌레) Mar.'99 ~ Sep.'08 : SY
Botaemi 보태미

cypermethrin.vamidothion(I) **사이퍼메트린.바미도티온**

○ 3+12EC(aphids & citrus leafminer, 진딧물.귤굴나방) Mar.'94~Mar.'95

cyproconazole(F) **사이프로코나졸**

Triazole
* (2RS,3RS;2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol (KMAF)
○ 4.5SL(white rot, 겹무늬썩음병) Dec.'06(Re) : DHT, Aug.'99 : SY ● 38WG(large patch, 라이족토니아마름병) Jan '04 : SY
Atemi 아테미, Sentinel 센티넬, Doctornong 닥터농

cyprodinil(F) **사이프로디닐**

Pyrimidine
* 4-cyclopropyl-6-methyl-N-phenyl-pyrimidin-2-amine (KMAF)
○ 50WG(white rot, 겹무늬썩음병) Feb.'97 : DHT, Aug.'99 : SY ● 48.5WG(scab, 검은별무늬병) Mar '05 : SY
Unix 유닉스

cyprodinil.fludioxonil(F) **사이프로디닐.플루디옥소닐**

○ 37.5+25WG(gray mold, 잿빛곰팡이병) Feb.'97 : DHT, Aug.'99 : SY ● 35.5+23.6WG(gray mold, 잿빛곰팡이병) Sep. '05 : SY
Switch 스위치

cyromazine(I) **사이로마진**

Triazine
* N-cyclopropyl-1,3,5-triazine-2,4,6-triamine (KMAF)
○ 75WP(mushroom fly, 버섯파리) Dec.'06(Re) : YI
Youngil Cyro 영일싸이로

D

daimuron(H) **다이뮤론**

* 1-(α,α-dimethyl benzyl)-3-p-tolyl urea (KMAF)

daimuron.ethoxysulfuron.pretilachlor(H) **다이뮤론.에톡시설퓨론.프레틸라클로르**

○ 1.5+0.07+1+GR(paddy field weeds, 논잡초) Apr.'96 ~Dec.'06
Pulgman

daimuron.imazosulfuron.mefenacet(H) **다이뮤론.이마조설퓨론.메페나셋**

○ 2+0.25+3.5GR(paddy field weeds, 논잡초) Feb.'97 : SY
Sumunjang 수문장

daimuron.imazosulfuron.oxaziclomefone(H) **다이뮤론.이마조설퓨론.옥사지클로메폰**

○ 9+1.5+1SC(paddy field weeds, 논잡초) Dec.'01 : DB
Dongari 동아리

daimuron.mefenacet.pyrazosulfuron-ethyl(H) **다이뮤론 .메페나셋.피라조설퓨론에틸**

○ 1.5+3.5+0.07GR(paddy field weeds, 논잡초) Feb.'97 : YI
Galche 갈채

daimuron.molinate.pyrazosulfuron-ethyl(H) **다이뮤론.몰리네이트.피라조설퓨론에틸**

○ 4.5+15+0.21GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : SG
Misung Magicnon 미성매직논

daminozide(P) **다미노자이드**

* N-dimethyl amino succinamic acid (KMAF)
○ 85WP(growth inhibitor, 생장억제) Dec.'01(Re) : BY
Misung B-9 미성비나인

dazomet(F) **다조멧**

* tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione (KMAF)
○ 85DP(soil fungicide, 토양소독) Dec.'79 ~ Dec. '01 ● 98GR(fusarium wilt, 시들음병) Nov.'04 : DF
Basamid 밧사미드

DBEDC(F) **디비이디시(황산구리)**

Organocopper
dodecylbenzene sulfonate bis-ethylenediamine copper(II) complex salt (KMAF)
○ 20EC(powdery mildew, 흰가루병) Dec.'01(Re) : SG ● 0.04AL(rust, 흰녹병) Oct.'07 : SG
Sanyol 산요루, Chadan 차단

decyl alcohol(P) **데실알코올**

* decan-1-ol(KRDA)
○ 78.4EC(growth inhibitor, 생장억제) May '83～Jun.'85 ● 78 EC(tobacco sucker, 담배액아억제) Jan.'04 : DB
Contact 콘택트

deltamethrin(I) **델타메트린**

Pyrethroid
* (S)-α-cyano-3-phenoxy benzyl(1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethyl cyclopropane carboxylate (KMAF)
○ 1EC(leafroller, 잎말이나방) Dec.'01(Re) : KN, DF, SB Jan. '04 : BY Apr. '04 : SM ○ 0.75SC(tobacco budworm, 담배나방) Jan.'88 : KN Dec.'06(Re) : BY ○ 2.7EW(apple leafminer, 사과굴나방) Dec.'06(Re) : KN Apr. '04 : AL ● 25TB(common cabbage worm, 배추흰나비) Apr.'01 ～ Apr. '05 ○ 1WP(leafroller, 잎말이나방) Jan. '04 : EB ● 23.5TB(common cabbage worm, 배추흰나비) Mar. '05 : KN
Decis 데시스, Jangwon 장원, SM Deltarin 에스엠델타린, Choongjanggoon 충장군, Koyote 코요테

deltamethrin.dichlorvos(I) **델타메트린.디클로르보스**

○ 0.6+15EC(aphids, 진딧물) Dec.'06(Re) : KN
Jangpung 장풍

deltamethrin.phosalone(I) **델타메트린.포살론**

○ 1+20EC(aphids, 진딧물) Oct.'90 ～ Dec.'06
Cesar

deltamethrin.profenofos(I) **델타메트린.프로페노포스**

○ 0.6+15EC(aphids, 진딧물) Dec.'06(Re) : KN
Hanbang 한방

deltamethrin.pyraclofos(I) **델타메트린.피라클로포스**

○ 1+18EC(aphids, 진딧물) Dec.'06(Re) : KN
Gasiri 가시리

demeton S-methyl(I) **데메톤-에스-메틸**

Organophosphate
* S-2-ethyl thioethyl O,O-dimethyl phosphorothioate (KMAF)
○ 25EC(aphids, 진딧물) Dec.'01(Re) : KN, DB, DHT, BY, YI
Metasystox 메타시스톡스, Kyungnong Meta 경농메타, Youngil Meta 영일메타

diafenthiuron(I) **디아펜티우론**

Thiourea
* 1-tert-butyl-3-(2,6-di-isopropyl-4-phenoxyphenyl)thiourea (KMAF)
○ 50WP(acarina, 응애) Mar.'96 ~Dec.'06 ○ 25SC(beet army worm, 파밤나방) Feb.'97 ~Dec.'06
Pegasus

diafenthiuron.furathiocarb(I) **디아펜티우론.퓨라티오카브**

○ 25+7WP(aphids, 진딧물) Feb.'97 ~Dec.'06

diafenthiuron.tebufenpyrad(I) **디아펜티우론.테부펜피라드**

○ 20+2.5WP(acarina, 응애) Feb.'97 ~Dec.'06
Himax

dialifos(I) **디알리포스**

* S-2-chloro-1-phthalimidoethyl O, O-diethyl phosphorodithioate (KMAF)
○ 40EC(acarina, 응애) May'84 ~ Jun.'91
Torak

diazinon(I) **다이아지논**

Organophosphate
* O,O-diethyl O-2-siopropyl-6-methyl pyrimidin-4-yl phosphorothioate (KMAF)
○ 34EC(rice stemborer, 이화명나방) Dec.'01(Re) : DF, DHT, SY, SB, YI, SG Mar. '04 : SM ○ 3GR(rice stemborer,이화명나방) Dec.'01(Re) : DF, DHT, SB, YI, SG, CI Mar. '04 : SM ○ 2DP(rice stemborer, 이화명나방) Dec.'01(Re) : SB ○ 34WP(peach fruit moth, 심식나방) May'76 ~ Sep.'91 ○ 10FU(forest insects, 산림해충) (May'88 ~ Mar.'91) ● 53EW(rice stemborer, 이화명나방) Mar.'95 : YI, SY
Diatone 다이아톤, Sinina 시니나, Diakum 다이아금, Ddangddang 땅땅, Daizin 다이진

diazinon.ethoprophos(I) **다이아지논.에토프로포스**

○ 2+2GR(soil insects, 토양해충) Jan.'92 ~ Feb.'02
Dacap

diazinon.etofenprox(I) **다이아지논.에토펜프록스**

○ 8+20EC(plant hopper & grass leaf roller, 멸구.혹명나방) Feb.'91 ~ Dec.'91 ○ 0.5+2DP(plant hopper & grass leaf roller, 멸구.혹명나방) Feb.'91 ~ Dec.'06 ○ 25+8WP(peach fruit moth, 심식나방) Dec.'06(Re) : SB ○ 3+0.5GR(rice water weevil, 벼물바구미) Mar.'99 ~ Jan.'09 : SB
Dduksim 뚝심

diazinon.fenobucarb(I) **다이아지논.페노뷰카브**

○ 3+3GR(plant hopper, 멸구) Dec.'01(Re) : DHT, SB
Dasubak 다수박, Geumhodong금호동

diazinon.phorate(I) **다이아지논.포레이트**

○ 2.5+2.5GR(cutworm, 거세미나방) Jan.'09(Re) : SB
Daepoong 대풍

diazinon.quinalphos(I) **다이아지논.퀴날포스**

○ 2+2GR(rice stemborer, 이화명나방) Apr.'94 ~ Dec. '00

dicamba(H) **디캄바**

Phenoxy
* 3,6-dichloro-O-anisic acid (KMAF) dimethyl amine salt of 3,6-dichloro-O-anisic acid
○ 48.2SL(upland weeds, 밭잡초) Dec.'01(Re) : SB
Banvel 반벨

dichlobenil(H) **디클로베닐**

Benzonitrile
* 2,6-dichlorobenzonitrile (KMAF)
○ 6.7GR(orchard weeds, 과원잡초) Dec.'06(Re) : DB
Casoron 카소론

dichlobenil.imazaquin(H) **디클로베닐.이마자퀸**

○ 3.5+1GR(upland weeds, 밭잡초) Jan.'09(Re) : DB
Kaiser 카이저

dichlofluanid(F) **디클로플루아니드**

Sulfamide
* N-dichlorofluoromethyl thio N',N'-dimethyl-N-phenylsulphamide (KMAF)
○ 50WP(gray mold, 잿빛곰팡이병) Dec.'01(Re) : DHT, BY ○ 40FW(gray mold, 잿빛곰팡이병) Dec.'06(Re) : DHT, BY ○ 40WF(gray mold, 잿빛곰팡이병) Mar.'91 ~ Mar.'94
Euparen 유파렌

dichlofluanid.bifenthrin(IF) **디클로플루아니드.비펜트린**

○ 30+2FW(powdery mildew & aphids, 흰가루병.진딧물) (Mar.'94)

dichlofluanid.tebuconazole(F) **디클로플루아니드.테부코나졸**

○ 50+13WP(gray mold, 잿빛곰팡이병) Oct.'95 ~Dec.'06

dichlorprop triethanol amine(P) **디클로르프로프트리에탄올아민**

* (RS)-2-(2,4-dichlorophenoxy)propionic acid, triethanol amine salt (KMAF)
● 4.5SL(fruit drop control, 낙과방지) Feb.'00, Feb. '04 : BY
Antipole 안티폴

dichlorvos(I) **디클로르보스**

Organophosphate
* 2,2-dichlorovinyl dimethyl phosphate (KMAF)
○ 50EC(leaf roller,잎말이나방) Dec.'01(Re) : KN, DB, DF, DHT, SY, BY, SB, YI, SG, CI, SH Apr. '04 : DU ○ 30g/100g FU(aphids, 진딧물) Jun.'81～Oct.'86 ● 16GA(aphids, 진딧물) Dec.'01(Re) ～ Apr.'02 ○ 10FU(aphids, 진딧물) Mar.'96 ～Dec.'06
VP브이피,SamgongDDVP삼공디디브이피,KyungnongDDVP경농디디브이피, Okguseul옥구슬,JungmilDDVP정밀디디브이피,DongbuDDVP동부디디브이피, MisungDDVP미성디디브이피,SeohanDDVP서한디디브이피, SungboDDVP성보디디브이피,Youngil DDVP영일디디브이피, Sae DDVP새디디브이피, Dongbang DDVP 동방디디브이피

dichlorvos.etofenprox(I) **디클로르보스.에토펜프록스**

○ 9+6FU(aphids, 진딧물) Feb.'98 ～ Jan.'08 ○ 20+10EC(beet army worm, 파밤나방) Jan.'09(Re) : YI
Pierna, Hisosik 희소식

dichlorvos.hexythiazox(I) **디클로르보스.헥시티아족스**

● 17+5FU(acarina, 응애) Apr.'96 ～ Dec.'06
Powerking

dichlorvos.pirimicarb(I) **디클로르보스.피리미카브**

○ 32+8EC(aphids, 진딧물) Jan.'86～Jun.'91
Newdan

dichlorvos.phosalone(I) **디클로르보스.포살론**

○ 40+20EC(apple leafminer, 사과굴나방) Dec.'01(Re) ～ Jun. '06
Ranbeck

diclomezine(F) **디클로메진**

Pyridazinone
* 6-(3,5-dichlorophenyl-p-tolyl) pyridazin-3(2H)-one (KMAF)
○ 1.2DP(sheath blight, 잎집무늬마름병) (Apr.'93)

dicofol(I) **디코폴**

Organochloride
* 2,2,2-trichlor-1,1-bis(4-chlorophenyl)ethanol (KMAF)
○ 42EC(acarina, 응애) Dec.'01(Re) : DHT ○ 35WP(acarina, 응애) Dec.'01(Re) : KN, DB, DHT, BY
Kelthane켈센, Kyungnong Dicofol경농디코폴, Sechan세찬

dicofol.hexythiazox(I) **디코폴.헥시티아족스**

○ 20+5EC(acarina, 응애) May'90 ～ Feb. '02
Nissofol

diethofencarb(F) **디에토펜카브**

Carbamate
* isopropyl 3,4-diethoxycarbanilate (KMAF)

diethofencarb.thiophanate-methyl(F) **디에토펜카브.티오파네이트메틸**

○ 25+30WP(gray mold, 잿빛곰팡이병) Mar.'05 : DB
Goljabi 골자비

difenoconazole(F) **디페노코나졸**

Triazole
* cis,trans-3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl] phenyl-4-chlorophenyl ether (KMAF)
○ 10WP(alternaria leafspot, 점무늬낙엽병)Apr.'93 : KN, SY ○ 10EC(black rot, 덩굴마름병)Dec.'06(Re) : KN, SY ○ 10WG(bitter rot, 탄저병) Dec. '00 : SY ○ 10SC(canker, 겹무늬썩음병) Apr. '04 : DHT Jan. '05 : DF Apr. '06 : EB ○ 20EC(black rot, 덩굴마름병) Oct.'04 : DHT, DF ○ 5DC(white rot, 겹무늬썩음병) Oct.'06 ~ Jun.'08 ○ 8ME(rust, 흰녹병) Oct.'07 : KN ○ 5EW(white rot, 겹무늬썩음병) Oct.'07 :SM
Purgen 푸르겐, Bogard 보가드, Puleumi 푸름이, Hwanggeumal 황금알, Purgen푸르겐, Gyunganae 균가네, Purion, Rotifel 로티플,

difenoconazole.fenazaquin(IF) **디페노코나졸.페나자퀸**

○ 8+12EC(acarina, scab & rust, 응애.검은별무늬병, 붉은별무늬병) Feb.'97 ~Jan.'07
Danola

difenoconazole.fluazinam(F) **디페노코나졸.플루아지남**

○ 47WP((foot rot, 역병) Mar.'09 :DHT
Bible 바이블

difenoconazole.iminoctadin triacetate(F) **디페노코나졸.이미녹타딘트리아세테이트**

○ 3+15ME(brown leaf spot, 갈색무늬병) Jan.'09(Re) : KN
Samjinwang 삼진왕

difenoconazole.polyoxin D(F) **디페노코나졸.폴리옥신디**

○ 4+2.5WP(leaf spot, 검은별무늬병) Oct. '06 : KN
Newleader 뉴리더

difenoconazole.propiconazole(F) **디페노코나졸.프로피코나졸**

○ 13+13EC(sheath blight, 잎집무늬마름병) Jun.'02 : SY
Armure 알무리

difenoconazole.thiophanate-methyl(F) **디페노코나졸.티오파네이트메틸**

○ 5+35WP(white rot, 겹무늬썩음병) Oct. '07 : EB ○ 4+20SC(brown leaf spot, 갈색무늬병) Mar. '08 : SB
Cherbangsa , Penconate 펜코나트, K-one 케이원

difenoconazole.triflumizole(F) **디페노코나졸.트리플루미졸**

○ 2.5+5 ME(powdery mildew, 흰가루병) Sep.'08 : KN
Dranche 뜨란채

diflubenzuron(I) **디플루벤주론**

Benzoylurea
* 1-(4-chlorophenyl)-3-(2,6-difluorobenzoyl) urea (KMAF)
○ 25WP(fall webworm, 흰불나방) Dec.'01(Re) : DB, SY ○ 14SC(fall webworm, 흰불나방) Dec.'06(Re) : SY ● 80WG(apple leaf miner, 사과굴나방) Jun.'99 ~ Jan.'09 : SY
Dimilin 디밀린, Chosim 초심

diflubenzuron.etofenprox(I) **디플루벤주론.에토펜프록스**

○ 7+8 SE(persimmon fruit moth, 감꼭지나방) Sep.'08 : YI
Octave 옥타브

diflubenzuron.furathiocarb(I) **디플루벤주론.퓨라티오카브**

○ 7+9WP(apple leafminer & leaf roller, 사과굴나방.잎말이나방) Mar.'94 ~Dec.'06
Daivin

diflubenzuron.indoxacarb(I) **디플루벤주론.인독사카브**

○ 7+3.5WP(tobacco budworm, 담배나방) Mar '09 :SG
Teukmyung 특명

dimepiperate(H) **디메피페레이트**

Thiocarbamate
* S-1-methyl-l-phenylethyl piperidine-1-carbothioate (KMAF)

dimepiperate.imazosulfuron(H) **디메피페레이트.이마조설퓨론**

○ 7+0.25GR(paddy field weeds, 논잡초) Dec.'06(Re) : DB
Oroji 오로지

dimethametryn(H) **디메타메트린**

Triazine
* 2-(1,2-dimethyl propyl amino)-4-ethylamino-6-methyl thio-1,3,5-triazine (KMAF)

dimethametryn.esprocarb.pyrazosulfuron-ethyl(H) **디메타메트린.에스프로카브.피라조설퓨론에틸**

○ 0.7+5.0+0.07GR(paddy field weeds, 논잡초) Mar.'08 : SG
Nondream 논드림

dimethametryn.halosulfuron-methyl.pyriminobac-methyl(H) **디메타메트린.할로설퓨론메틸.피리미노박메틸**

○ 0.7+0.18+0.1GR(paddy field weeds, 논잡초) Mar.'08 : KN
Hwanggeumapae 황금마패

dimethametryn.penoxsulam.pyrazosulfuron-ethyl(H) **디메타메트린.페녹슐람.피라조설퓨론에틸**

○ 0.7+0.08+0.07GR(paddy field weeds, 논잡초) Mar.'08 : SG
Noncleangold 논크린골드

dimethametryn.piperophos(I) **디메타메트린.피페로포스**

○ 1.1+4.4GR(paddy field weeds, 논잡초) Dec.'01(Re) : KN
Avirosan 아비로산

dimethametryn.pyrazosulfuron-ethyl.pyriminobac-methyl(H) 디메타메트린.피라조설퓨론에틸.피리미노박메틸

○ 0.3+0.07+0.1GR(paddy field weeds, 논잡초) Mar.'08 :SB
Euiran 유이란

dimethametryn.pyrazosulfuron-ethyl.thiobencarb(benthiocarb)(H) 디메타메트린.피라조설퓨론에틸.티오벤카브

○ 0.35+0.07+7GR(paddy field weeds, 논잡초) Mar.'08 :SB
Saenon 새논

dimethenamid(H) 디메테나미드

Chloroacetamide
* (RS)-2-chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl) acetamide (KRDA)
○ 2.5GR(upland weeds, 밭잡초) Jan.'08(Re) : KN
Sinstar 신스타

dimethenamid-P(H) 디메테나미드-피

Chloroacetamide
* S-2-chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl) acetamide(KRDA)
○ 62.3EC(upland weeds, 밭잡초) Apr.'04 : SB Mar. '05 : DF
Frontier gold 프런티어골드

dimethenamid-P.pendimethalin(H) 디메테나미드-피.펜디메탈린

○ 5+20 EC(upland weeds, 밭잡초) Mar.'05 : SB
Sangjigi 상지기

dimethoate(I) 디메토에이트

Organophosphate
* O,O-dimethyl S-methylcarbamoylmethyl phosphorodithioate (KMAF)
○ 46EC(scales, 깍지벌레류) Dec.'01(Re) : BY, YI, SG
Rogor 로고, Samgong dimeto 삼공디메토

dimethoate.phenthoate(I) 디메토에이트.펜토에이트

○ 30+15EC(aphids, 진딧물) Aug.'82～Mar.'91
Dial

dimethomorph(F) 디메토모르프

* (E,Z) 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl]morpholine (KMAF)
○ 25WP(crown rot, 역병) Dec.'06(Re) : DB, DHT, YI, SG ○ 18SC(fruit rot, 역병) Mar.'05 : DB
Forum 포룸, Ace 에이스, Youngil Dimethomorph 영일디메쏘모르프

dimethomorph.dithianon(F) 디메토모르프.디티아논

○ 8+30WP(crown rot, 역병) Dec.'06(Re) : YI, SG
Forum-D 포룸 디

dimethomorph.ethaboxam(F) 디메토모르프.에타복삼

○ 15+10SC(fruit rot, 역병) Jan.'09(Re) : SY
Ongdalsam 옹달샘

dimethomorph.mancozeb(F) **디메토모르프.만코제브**

○ 7.5+66.7WP(crown rot & bitter rot, 역병.탄저병) Dec.'06(Re) : KN
Forumman 포룸만

dimethomorph.metalaxyl(F) **디메토모르프.메탈락실**

○ 12.5+12.5WP(crown rot, 역병) Mar.'97 ~Dec.'06
Palparae

dimethomorph.metalaxyl-M(F) **디메토모르프.메탈락실엠**

○ 12.5+7WP(fruit rot, 역병) Mar. '05 : SB
Palparaegold 팔파래골드

dimethomorph.propineb(F) **디메토모르프.프로피네브**

○ 7+56WP(downy mildew, 노균병) Jan.'08(Re) : DF
Gyunjabi 균자비

dimethomorph.pyraclostrobin(F) **디메토모르프.피라클로스트로빈**

● 11.3+6.3WG(late blight, 역병) Feb. '03: DB
Casting 캐스팅

dimethomorph.tribasic coppersulfate(F) **디메토모르프.트리베이식코퍼설페이트**

○ 7+9SC(crown rot, 역병) Mar.'00 : SY
Taesangwang 태상왕

dimethylvinphos(I) **디메틸빈포스**

Organophosate
* 2-chloro-1-(2,4-dichlorophenyl)vinyl dimethyl phosphate (KMAF)
○ 25EC(rice stemborer, 이화명나방)Apr.'93 ~De..'06 ○ 3GR(root-knot nematode, 뿌리혹선충)Nov. '00 : KN
Rangardo 란가도

dimethylvinphos.fenobucarb(I) **디메틸빈포스.페노뷰카브**

○ 2+2DP(plant hopper & grass leaf roller, 멸구.혹명나방) Jan.'85 ~ Dec. '01
Bassaran

diniconazole(F) **디니코나졸**

Triazole
* (E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol (KMAF) (E)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)-1-penten-3-ol
○ 5WP(rust, 붉은별무늬병) Dec.'06(Re) : DB ○ 5SC(stature inhibitor, 신장억제) Mar.'07 : DB
Binnari 빈나리, Bingo 빙고

dinobuton(I) **디노뷰톤**

* 2-sec-butyl-4,6-dinitrophenyl isopropyl carbonate (KMAF)
○ 30.6EC(acarina, 응애) May'84~Mar.'91
Acrex, Sytasol

dinocap(F) **디노캅**

Dinitrophenyl crotonate
* 2,6-Dinitro-4-octylphenyl crotonates and 2,4-dinitro-6-octylphenyl crotonates in which 'octyl' is a mixture of l methylheptyl 1-ethylhexyl and 1-propylpentyl groups(KRDA)
○ 18WP(powdery mildew, 흰가루병) Dec.'79 ~ Dec.'01
Karathane

dinocap.myclobutanil(F) **디노캅.마이클로뷰타닐**

○ 32.9+6.7EC(powdery mildew, 흰가루병) Mar. '01 : KN
Sabithane 사비센

dinotefuran(I) **디노테퓨란**

Neonicotinoid
*(*RS*)-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine(RDA)
○ 10WP(aphids, 진딧물류) Jan. '03 : DHT ○ 2GR(aphids, 진딧물류) Jan. '03 : SG ● 20WG(thrip, 총채벌레) Jan. '03 : YI ○ 1GR(aphids, 진딧물류) Apr. '04 : KN ○ 10SL(aphids, 진딧물류) Mar. '07 : YI ○ 70WS(rice water weevil, 벼물바구미) Sep. '08 : KN ○ 50SG(Bemisia tabaci, 담배가루이) Mar.'09 : KN
Oshin 오신, Daepo 대포, Shyultan 슐탄, Phantom 팬텀, Boss 보스

dinotefuran.etofenprox(I) **디노테퓨란.에토펜프록스**

● 5+8 WP(rice water weevil, 벼물바구미) Apr. '04 : YI
Chongshil Hongshil 청실홍실

dinotefuran.methoxyfenozide(I) **디노테푸란.메톡시페노자이드**

○ 10+4SC(plant hopper, 벼멸구) Sep. '05 : DHT
Sundu 선두

dioctyl sodium sulfosuccinate(O) **디옥틸 소듐 설포석시네이트**

dioctyl sodium sulfosuccinate (KMAF)
Triton(GR 5M)

diphenamid(H) **디페나미드**

Acetamide
* N,N-dimethyl diphenyl acetamide. (KMAF) N,N-dimethyl-2,2-diphenyl acetamide.
○ 50WP(upland weeds, 밭잡초) Nov.'82 ~ May '90
Danby, Enide, Dymid

diquat dibromide(P) **다이콰디브로마이드**

Bipyridylium
* 1,1′-ethylene-2,2′-bipyridyldiylium dibromide. (KMAF)1,1′-ethylene-2,2′-bipyridylium dibromide.
○ 20SL(desiccant, 작물건조) Dec.'01(Re) : DHT
Reglone 레그론

disulfoton(I) **디설포톤**

Organophosphate
* O,O-diethyl S-2-ethylthio ethyl phosphorodithioate (KMAF)
○ 5GR(aphids, 진딧물) Mar.'75 ~ Jan.'90
Disyston, Solvirex, Dithiosystox, Frumin AL

dithianon(F) **디티아논**

quinone
* 5,10-dihydro-5,10-dioxonaphtho(2,3-b)-1,4-dithiin-2,3-dicarbonitrile (KMAF)
○ 75WP(bitter rot, 탄저병) Dec.'01(Re) : KN, DB, DF, DHT, SB, YI, SG ○ 43SC(bitter rot, 탄저병) Dec.'06(Re) : KN, SG ● 66WG(alternaria leaf spot,점무늬낙엽병) Apr. '01 : SG Jan. '04 : SB Feb. '06 : YI
Delan 델란, Kyungnong Dithi경농디치, Jungmil Dithi 정밀디치

dithianon.kresoxim-methyl(F) **디티아논.크레속심메틸**

○ 15+10SC(scab, 검은별무늬병) Mar '09 :SG
Gamcheonwang 감천왕

dithianon.metalaxyl(F) **디티아논.메탈락실**

○ 30+10WP(crown rot & bitter rot, 역병.탄저병) Apr.'92~Dec.'06
Ridomil Q

dithianon.metalaxyl-M(F) **디티아논.메탈락실-엠**

○ 30+5WP(fruit rot, 역병) Mar. '05 : SB
Ridomil Q gold 리도밀큐골드

dithianon.myclobutanil(F) **디티아논.마이클로뷰타닐**

○ 20+3SC(white rot, 겹무늬썩음병) Dec.'06(Re) : KN
Uraman 우라만

dithianon.nuarimol(F) **디티아논.뉴아리몰**

○ 20+1.5SC(scab & rust, 검은별무늬병.붉은별무늬병) Dec.'06(Re) : KN
Shinbiron 신비론

dithianon.pyraclostrobin(F) **디티아논.피라클로스트로빈**

● 11.4+3.8WG(bitter rot, 탄저병) Mar.'08 : BASF, Apr.'08 : DHT
Maccani 매카니

dithianon.pyridaben(I) **디티아논.피리다벤**

○ 65+10WP(acarina & scab, 응애.흑점병) Apr.'94 ~Dec.'06
Atopia

dithianon.thiopannate-methyl(F) **디티아논.티오파네이트메틸**

○ 30+40WP(white rot,겹무늬썩음병)Dec.'06(Re) : SG
Delan-T 델란티

dithiopyr(H) **디티오피르**

Pyridine
* S,S′-dimethyl 2-difluoromethyl-4-isobutyl-6-trifluoromethyl-pyridine-3,5-dicarbothioate (KMAF)
○ 0.3GR(paddy field weeds, 논잡초) Dec.'06(Re) : KN, DF, DHT, SG ● 32EC(upland weeds, 밭잡초) Feb.'97 : DF, DHT ● 38WP(turf weeds, 잔디잡초) Feb.'03 : DF
Dimension 디멘존, Scoop 스쿠프, Nabara 나바라

dithiopyr.isoxaben(H) **디티오피르.아이속사벤**

○12+15WP(turf weeds, 잔디잡초) Mar. '06 : DHT
Chowon 초원

dithiopyr.penoxsulam(H) **디티오피르.페녹술람**

○ 10+1.5WP(upland weeds,밭잡초) Mar.'08 : SG
Greencop 그린캅

dithiopyr.propanil(H) **디티오피르.프로파닐**

○ 2.4+35EC(paddy field weeds, 논잡초) Feb.'98 ~ Jan.'08

dithiopyr.pyrazosulfuron-ethyl(H) **디티오피르.피라조설퓨론에틸**

○ 0.4+0.07GR(paddy field weeds, 논잡초) Mar.'95~Mar.'99 ○ 0.3+0.07GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : SB
Nulpoongnyon 늘풍년

dodine(F) **도딘**

Guanidine
* 1-dodecylguanidinium acetate(KMAF)
○ 65WP(alternaria leaf spot, 점무늬낙엽병) Dec.'01(Re) : YI
Saeron 새론

E

edifenphos(F) **에디펜포스**

Organophosphate
* O-ethyl S,S-diphenyl phosphorodithioate (KMAF)
○ 30EC(rice blast, 도열병) Dec.'01(Re) : DF, DHT, BY, SB, YI ○ 1.5DP(rice blast, 도열병) Feb.'79~Oct.'88
Hinosan 히노산, Youngil edifen 영일에디펜, Ilinja일인자, Baekmanseok 백만석

edifenphos.fenobucarb(IF) **에디펜포스.페노뷰카브**

○ 30+30EC(plant hopper & rice blast, 멸구.도열병) Dec.'01(Re) : DHT

edifenphos.fenthion(IF) **에디펜포스.펜티온**

○ 1.5+2DP(rice stem borer & blast, 이화명나방.도열병) Apr.'80~Apr.'82

edifenphos.isoprothiolane(F) **에디펜포스.아이소프로티오란**

○ 15+20EC(rice blast, 도열병) Sep. '05 : DHT
Ilgyeok 일격

edifenphos.phthalide(F) **에디펜포스.프탈라이드**

○ 20+20WP(rice blast, 도열병) Dec.'01(Re) ~ Jun.'02
Hinoton

edifenphos.polyoxin D(F) **에디펜포스.폴리옥신디**

○ 30+2.25WP(rice blast, 도열병) Apr.'91 ~Dec.'06
Hinopoly

emamectin benzoate(I) **에마멕틴벤조에이트**

* 4″-epi-methylamino-4″-deoxyavermectin B1 benzoate(a mixture of 4″-epi-methylamino-4″-deoxyavermectin B1a benzoate(≥90%) and 4″-epi-methylamino-4″-deoxy-avermectin B1b benzoate(≤10%)) (KRDA)
● 2.15EC(thrips, 총채벌레) Jan.'09(Re) : SY ● 4.6SG(diamond-back moth, 배추좀나방) Mar. '07 : SY
Affirm 에이팜, Proclaim프로클레임

emamectin benzoate.lufenuron(I) **에마멕틴벤조에이트.루페뉴론**

● 0.64+2.3WG(diamond-back moth, 배추좀나방) Mar.'08 : SY
Guidance 가이던스

endosulfan(I) **엔도설판**

Organochlorine
* C,C′(1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylene)(dimethyl sulphite) (KMAF) 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylene dimethyl sulphite
○ 35EC(tobacco budworm, 담배나방) Dec.'01(Re) : KN, DB, DHT, YI, SG, SH Jan.'04 : BY Apr. '04: DU ○ 3DP(soil insects, 토양해충) Dec.'01(Re) : KN, DB, DHT, YI, SG Jan.'04 : BY
Malix 마릭스, Samgong thiolix 삼공지오릭스, KyungnongThiolix경농지오릭스, Dongbu Thiolix동부지오릭스, Youngil Thiolix영일지오릭스, Seohan Thiolix서한지오릭스, Bayer Thiolix 바이엘지오릭스, Sae Thiolix새지오릭스, Dongbang thiolix 동방지오릭스

EPN(I) **이피엔**

Organophosphate
* O-ethyl O-4-nitrophenyl phenylphosphonothioate (KMAF)
○ 45EC(leafroller, 잎말이나방) Dec.'01(Re) : KN, DB, DHT, BY, YI, SG, SH ○ 25WP(peach fruit moth, 심식나방) Oct.'86~May'90
Samgong EPN 삼공이피엔, Kyungnong EPN 경농이피엔, Mugungtan 무궁탄, Dongbu EPN 동부이피엔, Misung EPN 미성이피엔, Seohan EPN 서한이피엔, Youngil EPN 영일이피엔

epoxyconazole(F) **에폭시코나졸**

Triazole
*(2RS,3SR)-1-[3-(2-chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole (IUPAC)
● 11.5SC(brown patch, 갈색잎마름병) Mar. '07 :BASF
Opus 오프스

esfenvalerate(I) **에스펜발러레이트**

Pyrethroid
* (S)-α-cyano-3-phenoxybenzyl(S)-2-(4-chlorophenyl)-3-methyl-butyrate (KMAF)
○ 1.5EC(leafroller, 잎말이나방) Dec.'06(Re) : DB ○ 1.5WP(peach fruit moth, 심식나방) Dec.'06(Re) : DB
Joksita 적시타

esfenvalerate.fenitrothion(I) **에스펜발러레이트.페니트로티온**

○ 1.25+15WP(aphids, 진딧물) Dec.'06(Re) : DB ○ 1.25+15EC(aphids, 진딧물) Dec.'06(Re) : DB
Shin Permathion 신파마치온

esfenvalerate.malathion(I) **에스펜발러레이트.말라티온**

○ 1.25+15EC(aphids & tobacco budworm, 진딧물.담배나방) Dec.'06(Re) : DB
Wangstar왕스타

esprocarb(H) **에스프로카브**

Thiocarbamate
* S-benzyl 1,2-dimethylpropyl(ethyl)thiocarbamate (KMAF)

esprocarb.cinosulfuron(H) **에스프로카브.시노설퓨론**

○ 5+0.08GR(paddy field weeds, 논잡초) Apr.'96 ~ Dec.'06
Geumanmae, Fullclean

esprocarb.imazosulfuron(H) **에스프로카브.이마조설퓨론**

○ 18+0.75GR(paddy field weeds, 논잡초) Feb.'98 ~ Jan.'08 ○ 6+0.25GR(paddy field weeds, 논잡초) Mar.'00 : DB
Nongbuson, Sonmoa 손모아

esprocarb.pyrazosulfuron-ethyl(H) **에스프로카브.피라조설퓨론에틸**

○ 5+0.07GR(paddy field weeds, 논잡초) Dec.'06(Re) : SG, Apr.'00 : DHT
Pulbaksa 풀박사, Dongbanja 동반자

ethaboxam(F) **에타복삼**

Thiazole carboxamide
* N-(α-cyano-2-thenyl)-4-ethyl-2-(ethylamino)-5-thiazolecarboxamide (KRDA)
○ 25WP(downy mildew, 노균병) Jan.'09(Re) : : EB ○ 15SC(late blight, 역병) Nov.'03 : SG
Freezone, Tellus 텔루스, Newgardian 뉴가디안

ethaboxam.famoxadone(F) **에타복삼.파목사돈**

○ 7+9WP(downy mildew, 노균병) Mar.'02 : YI
Chamsinan 참시난

ethaboxam.metalaxyl(F) **에타복삼.메탈락실**

○ 10+15WP(late blight, 역병) Oct. '05 : DF
Ochard 오차드

ethaboxam.propamocarb hydrochloride(F) **에타복삼.프로파모카브하이드로클로라이드**

○ 10+33SC(late blight, 역병) Sep. '05 : KN
Mirearo 미래로

ethaboxam.propineb(F) **에타복삼.프로피네브**

○ 7.5+56WP(crown rot, 역병) Mar. '07 : SB
Dualm 두아름

ethaboxam.triflumizole(F) **에타복삼.트리플루미졸**

○ 20+10WP(downy mildew, 노균병) Mar.'99 Dec. '04 ~ Sep.'08 : BY
Kummacha 금마차

ethalfluralin(H) **에탈플루랄린**

Dinitroaniline
* N-ethyl-α,α,α-trifluoro-N-(2-methylallyl)-2,6-dinitro-p-toluidine (KMAF)
○ 35EC(upland weeds, 밭잡초) Dec.'06(Re) : KN, DB, DHT ○ 2.5GR(upland weeds, 밭잡초) Feb.'97 : KN, DB, DHT
Sonalan 쏘나란, Drewang 드레왕, Silowang 실로왕

ethalfluralin.linuron(H) **에탈플루랄린.리뉴론**

○ 3.5+0.5GR (paddy field weeds, 논잡초) Mar.'09 : DB
Bagari 밧가리

ethalfluralin.oxadiazon(H) **에탈플루랄린.옥사디아존**

○ 15+6EC(upland weeds, 밭잡초) Apr.'94 ~ Dec.'06
Maejima

ethephon(P) **에테폰**

Ethylene
* 2-chloroethyl phosphonic acid (KMAF)
○ 39SL(coloring promoter,착색촉진) Dec.'01(Re) : KN, DF, DHT, EB, YI, SG Mar.'04 : SM
Ethrel 에스렐, Chagsaegwang 착색왕, KyungnongEthephon경농에세폰, Jungmil Ethephon 정밀에세폰, Youngil Ethephon 영일에세폰, EBM Aha이비엠아하, SamgongEthephon 삼공에세폰, Ethephonda 에세폰다, Seraco Ethephon 쎄라코에세폰

ethion(I) **에티온**

Organophosphate
* O,O,O′,O′-tetraethyl - S,S-methylene bis(phosphoro dithioate) (KMAF) O,O,O′,O′-tetraethyl - S,S-methylene di(phosphoro dithioate)
○ 25WP(acarina, 응애) Feb. '80 ~ Apr. '89

ethofumesate(H) **에토퓨메세이트**

Benzofuran
(RS)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate(IUPAC)
● 42SC(upland weeds,밭잡초) Mar.'08 : BY
Prograss 프로그라스

ethoprophos(I) **에토프로포스**

Organophosphate
* O-ethyl S,S-dipropyl phosphoro dithioate (KMAF)
○ 5GR(soil insects, 토양해충) Dec.'01(Re) : DB, YI Dec. '03 : BY
Mocap 모캡, Scap 에스캅

ethoxysulfuron(H) **에톡시설퓨론**

Sulfonylurea
* 3-(4,6-dimethoxypyrimidin-2-yl)-1-(2-ethoxyphenoxysulfonyl)urea (KMAF)

ethoxysulfuron.fentrazamide(H) **에톡시설퓨론.펜트라자마이드**

○ 0.1+1GR(paddy field weeds, 논잡초) Apr.'00 : BY
Dumjigi 듬지기

ethoxysulfuron.propanil(H) **에톡시설퓨론.프로파닐**

○ 0.5+50WP(paddy field weeds, 논잡초) Apr.'00～Jan.'07
Keunilkun

ethychlozate(P) **에티클로제이트**

* ethyl-5-chloro-3-(1H)-indazolyl acetate (KMAF)
○ 20EC(coloring promoter, 착색촉진) Feb.'88～Jan.'92 ○ 1EC(fruit thinning effect, 적과) Dec.'06(Re) : SG
Figaron 휘가론

etofenprox(I) **에토펜프록스**

Pyrethroid
* 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether (KMAF)
○ 1.5GR(rice water weevil, 벼물바구미) Mar.'90 :, EB ○ 0.5GR(rice water weevil, 벼물바구미) Mar.'07 : EB, DHT ○ 10WP(leaf roller, 잎말이나방) Dec.'06(Re) : DHT ○ 4SO(rice water weevil, 벼물바구미) Dec.'06(Re) : KN, DF, EB ○ 20EC(beet army worm & tobacco budworm, 파밤나방.담배거세미나방) Apr.'96 : KN ○ 10EW(cotton caterpillar, 작은각시들명나방) Jul.'09(Re) : DHT ○ 20CS(Rice black bug, 먹노린재) Sep.'08 : KN
Chungsari , Trebon 트레본, Bakmyultan 박멸탄, Sebero 세배로, Myungtaja 명타자, onetop 원톱, Bongwhadae 봉화대, Keunsalim 큰살림, Qoaesoktan 쾌속탄

etofenprox.fenitrothion(I) **에토펜프록스.페니트로티온**

○ 5+30WP(peach fruit moth, 심식나방) Mar.'96 : DB
Hoeori 회오리

etofenprox.fenobucarb(I) **에토펜프록스.페노뷰카브**

○ 5+20EC(plant hopper, 벼멸구) Mar '05 : SB ○ 5+30EC(plant hopper, 멸구) Jul.'88 ～Apr.'93
Woottuk 우뚝, Jabara

etofenprox.imidacloprid(I) **에토펜프록스.이미다클로프리드**

○ 8+4 WG(greenhouse whitefly, 온실가루이) Sep.'08 : EB
Accord 어코드

etofenprox.indoxacarb(I) **에토펜프록스.인독사카브**

○ 10+1.5WP(diamond-back moth & apple leafminer, 배추좀나방.사과굴나방) Apr.'00 : DB
Viking 바이킹

etofenprox.methoxyfenozide(I) **에토펜프록스.메톡시페노자이드**

○ 8+3.2WP(brown plant-hopper, 벼멸구) Mar. '06 : DHT ○ 8+3.2SE(stink bug, 흑다리긴노린재) Sep.' 08 : DHT
Barohwak 바로확

etofenprox.phenthoate(I) **에토펜프록스.펜토에이트**

○ 7+30WP(citrus leafminer & aphids, 귤굴나방.진딧물) Dec.'06(Re) : SG
Lord 로드

etofenprox.pyridaphenthion(I) **에토펜프록스.피리다펜티온**

○ 7+20EC(peach fruit moth, 심식나방) Aug.'88 : DB ○ 5+40WP(persimmon fruit moth, 감꼭지나방) Mar.'96 : DB
Finale 휘나래

etofenprox.tebufenozide(I) **에토펜프록스.테부페노자이드**

○ 10+4EC(black cutworm, 검거세미나방) Jul.'09(Re) : KN
Bisangtan 비상탄

etofenprox.terbufos(I) **에토펜프록스.터부포스**

○ 0.5+3GR(onion maggot, 고자리파리) Mar.'08 : SB
Bataeda 바태다

etoxazole(I) **에톡사졸**

* (RS)-5-tert-butyl-2-[2-(2,6-difluorophenyl)-4,5-dihydro-1,3-oxazol-4-yl]phenetole (KRDA)
○ 10SC(acarina, 응애) Jan.'08(Re) : DB
Zoom 주움

etoxazole.fenpropathrin(I) **에톡사졸.펜프로파트린**

○ 5+10SC(acarina, 응애) Sep. '05 : DB
Kingstar 킹스타

etridiazole(F) **에트리디아졸**

Organic sulfur
* 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole (KMAF)
○ 4DP(damping off, 잘록병) Aug.'88～May'90 ○ 25EC(damping off, 잘록병) Dec.'01(Re) : DF, DHT ○ 35WP(pythium blight, 피티움브라이트병) Apr.'01 : SG ○ 20ME(phytium blight ,피티움마름병) Mar.'09 : YI
Anta 안타, Sibang 시방, Jandijon 잔디존

etridiazole.hexaconazole(F) **에트리디아졸.헥사코나졸**

○ 20+3EC(rice blast, 도열병) Sep. '05 : DHT
Fullswing 풀스윙

etridiazole.polyoxin D(F) **에트리디아졸.폴리옥신디**

○ 10+2.25WP(brown patch, 갈색잎마름병) Jan.'09(Re) : YI
Goodshot 굳샷

etridiazole.thiophanate-methyl(F) **에트리디아졸.티오파네이트메틸**

○ 10+55WP(damping off, 잘록병) Aug.'92 : DF, DHT
Kajiran 가지란

etrimfos(I) **에트림포스**

* O-6-ethoxy-2-ethyl pyrimidin-4-yl O,O-dimethylphosphorothioate (KMAF)
○ 40EC(rice leaf beetle, 벼잎벌레) Jun.'90～Mar.'96
Ekamet, Satisfar

F

famoxadone(F) **파목사돈**

Oxazolidine
* 3-anilino-5-methyl-5-(4-phenoxy phenyl)-1,3-oxazolidine-2,4-dione (KRDA)

famoxadone.mancozeb(F) **파목사돈.만코제브**

● 6.25+62.5WG(downy mildew, 노균병) Jan.'09(Re) : DHT, DF, DP
Ivrin 이브린

famoxadone.metalaxyl-M(F) **파목사돈.메탈락실-엠**

○ 9+6DC(crown rot, 역병) Mar. '07 : KN
Neulsarang 늘사랑

famoxadone.zoxamide(F) **파목사돈.족사마이드**

○ 9+8 WG(downy mildew, 노균병) Jan. '04 : KN
Notouch 노타치

fatty alcohol(P) **패티알코올**

fatty alcohol(C_8 and C_{10} groups) (KMAF)
○ 83.3EC(growth inhibitor, 생장억제) Dec.'83～May'90 ○ 74 EC(growth inhibitor, 생장억제) Apr.'91 ～Dec.'06
Antisuck, Sae Fatty alcohol

fenamidone(F) **페나미돈**

Imidazolinone
*(S)-5-methyl-2-methylthio-5-phenyl-3-phenylamino-3,5-dihydroimidazole-4-one(KRDA)

fenamidone.fosetyl-aluminium(F) **페나미돈.포세틸알루미늄**

● 4.2+63.3WG(crown rot, 역병) Mar. '02, Feb. '04 : BY
Elicio 엘리쵸

fenamiphos(I) **페나미포스**

Organophosphate
* ethyl 4-methylthio-m-tolylisopropyl phosphoramidate (KMAF)
○ 10GR(soil nematoda, 토양선충) (Mar.'87～May'90)
Nemacur

fenarimol(F) **페나리몰**

Pyrimidine
* (±)-2,4′-dichloro-α-(pyrimidin-5-yl) benzhydryl alcohol (KMAF)
○ 12 WP(scab, 검은별무늬병) Dec.'01(Re) : KN, DHT ○ 12.5EC(powdery mildew, 흰가루병) Dec.'01(Re) : DB, DHT
Kyungnong Fenari경농훼나리, Dongbu Fenari동부훼나리

fenarimol.mancozeb(F) **페나리몰.만코제브**

○ 1.2+70WP(white rot, 겹무늬썩음병) Apr.'89 ~ Dec. '00
Asiwon

fenarimol.oxine-copper(F) **페나리몰.옥신코퍼**

○ 3+65WP(canker & rust, 겹무늬썩음병. 붉은별무늬병) Apr.'93 ~Dec.'06
Arizoa

fenarimol.propineb(F) **페나리몰.프로피네브**

○ 1.2+50WP(leaf spot, 둥근무늬낙엽병) Mar.'03 : DHT
Moduzon 모두존

fenazaquin(I) **페나자퀸**

Quinazoline
* 4-tert-butylphenethyl quinazolin-4-yl ether (KMAF)
○ 20SC(acarina, 응애) Apr.'95 : KN, DHT, DB ○ 10EC(acarina, 응애) Apr.'95 : KN, DB, DF
Boramae 보라매, Eungaedan 응애단, Wernaran 워나란

fenbuconazole(F) **펜뷰코나졸**

Triazole
* 4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile (KMAF)
○ 3WP(rust, 붉은별무늬병) Mar.'94~Dec.'06 ○ 6SC(powdery mildew, 흰가루병) Apr. '01 : DB ○ 12WP(scab, 더뎅이병) Apr. '01 : DHT
Indar 인다, Baton 바톤, Hung-ye-na 흥이나

fenbuconazole.iprodione(F) **펜뷰코나졸.이프로디온**

○ 2.5+30WP(gray mold, 잿빛곰팡이병) Feb.'98 ~ Jun.'02
Whiparam

fenbuconazole.mancozeb(F) **펜뷰코나졸.만코제브**

○ 1.5+65WP(bitter rot & white rot, 탄저병.겹무늬썩음병) Apr.'95 : DB, DHT, SY
Indasen 인다센

fenbuconazole.thifluzamide(F) **펜뷰코나졸.티플루자마이드**

○ 2+2SC(large patch, 라이족토니아마름병) Mar.'08 : SG
Geumsurae금수레

fenbuconazole.thiram(F) **펜뷰코나졸.티람**

○ 1.5+70WP(white rot & alternaria leaf spot, 겹무늬썩음병.점무늬낙엽병) Mar.'95 ~Dec.'06
Pogtan

fenbutatin-oxide(I) **펜뷰타틴옥사이드**

Organotin
* bis[tris(2-methyl-2-phenylpropyl)tin] oxide (KMAF)
○ 50WP(acarina, 응애) Dec.'01(Re) : KN, DHT, EB, YI, SG ○ 15EC(acarina, 응애) Apr.'87 : EB, YI, SG
Torque 토큐, Kyungnong fenbutan경농펜부탄, Youngil Fenbutan 영일펜부탄, EBM Heensari이비엠흰사리

fenbutatin-oxide.flufenoxuron(I) **펜뷰타틴옥사이드.플루페녹수론**

○ 5+15EC(acarina & apple leafminer, 응애.사과굴나방) Apr.'93 ~Dec.'06
Dart

fenbutatin-oxide.tetradifon(I) **펜뷰타틴옥사이드.테트라디폰**

○ 25+10WP(acarina, 응애) May'90 ~Dec.'06
Saemna

fenclorim(H) **펜클로림**

Pyrimidine
* 4,6-dichloro-2-phenylpyrimidine (KMAF)

fenclorim.pretilachlor(H) **펜클로림.프레틸라클로르**

○ 0.7+2GR(paddy field weeds, 논잡초) Apr.'92 ~Dec.'06 ○ 10+30EC(paddy filed weeds, 논잡초) Mar.'94 : SY
Ddaji 따지, Polnet 폴네트

fenhexamid(F) **펜헥사미드**

Hydroxyanilide
* 1-methyl-cyclohexane carboxylic acid(2,3-dichloro-4-hydroxy-phenyl)amide (KRDA)
○ 50WP(gray mold, 잿빛곰팡이병) Mar.'00 : YI, Dec.'00 : BY ○ 42SC(gray mold, 잿빛곰팡이병) Mar.'03 : BY
Teldor 텔도

fenhexamid.prochloraz-manganese(F) **펜헥사미드.프로클로라즈망가니즈**

○ 25+15WP(graymold, 잿빛곰팡이병) Oct. '07 : SG
Geummoa 금모아

fenhexamid.iminoctadin tris(albesilate)(F) **펜헥사미드.이미녹타딘트리스알베실레이트**

○ 30+20WP(graymold, 잿빛곰팡이병) Apr. '01 : DHT
Gyunmori 균모리

fenhexamid.tebuconazole(F) **펜헥사미드.테부코나졸**

○ 30.5+5.8SC(gray mold, 잿빛곰팡이병) Mar.'00 : KN
Tieblack 타이브랙

fenitrothion(I) **페니트로티온**

Organophosphate
* O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate (KMAF)
○ 50EC(rice stemborer, 이화명나방) Dec.'01(Re) : KN, DB, DF, CI Mar. '04 : SM ○ 2DP(rice stemborer, 이화명나방) Feb.'70～Apr.'82 ○ 40WP(leaf roller, 잎말이나방) Dec.'01(Re) : DB, DF
Sumithion 스미치온, Mepthion 메프치온, Kyungnong Mep 경농메프, Sae Mep 새메프

fenitrothion.fenobucarb(I) **페니트로티온.페노뷰카브**

○ 2+2DP(leaf hopper, 매미충) Jul.'80～May'90 ○ 45+30EC(plant hopper, 멸구) May'84 ～ Dec.'01
Sumibas

fenitrothion.fenpropathrin(I) **페니트로티온.펜프로파트린**

○ 20+2.2EC(acarina & aphids, 응애.진딧물) Apr.'94 : DB ○ 35+3.5WP(acarina & aphids, 응애.진딧물) Apr.'94 : DB
Hanjige 한지게

fenitrothion.fenvalerate(I) **페니트로티온.펜발러레이트**

○ 30+10WP(apple leafminer, 사과굴나방) Dec.'01(Re) : DB
Permathion 파마치온

fenitrothion.silafluofen(I) **페니트로티온.실라플루오펜**

○ 20+5EC(grass leafroller, 혹명나방) Apr.'96 : DB
Dagane 다가내

fenobucarb(I) **페노뷰카브**

Carbamate
* 2-sec-butylphenyl methylcarbamate (KMAF)
○ 50EC(plant hopper,멸구) Dec.'01(Re): KN, DB, DF, DHT, SY, EB, BY, SB, YI, SG, CI, AL, DU Mar.'04 : SM ○ 2DP(plant hopper, 멸구) Dec.'01(Re) : KN, DB, DHT, EB, BY, SB, YI, SG Mar.'04 : SM ○ 2MG(plant hopper, 멸구) Jul.'86 ～ Dec. '01 ○ 2DL(plant hopper, 멸구) May'88 ～ Mar.'91
Bassa 밧사, Myulsari 멸사리,Hangumool 한그물, Samgong BP 삼공비피 BPdan 비피단, Youngil BP 영일비피, Haesom BP 해솜비피, Sungbo BP성보비피, EBM Myulsite이비엠멸사이트, Sae BP 새비피, Dongbang BP 동방비피, Bacmyulae박멸애

fenobucarb.phenthoate(I) **페노뷰카브.펜토에이트**

○ 2+2DP(plant hopper, 멸구) Dec.'01(Re) : KN, SG
EI-B 엘-비, Kyungnong Pabi경농파비

fenobucarb.pyridaphenthion(I) **페노뷰카브.피리다펜티온**

○ 30+30EC(rice water weevil, 벼물바구미) Dec.'01(Re) : DB
Ofunack B 오후나크비

fenobucarb.tebufenozide(I) **페노뷰카브.테부페노자이드**

○ 25+4WP(plant hopper & rice stemborer, 멸구.이화명나방) Apr.'95 : KN
Ildangback 일당백

fenoprop(P) **페노프로프**

* (±)-2-(2,4,5-trichlorophenoxy) propionic acid (KMAF) triethanol ammonium 2,4,5-trichloro phenoxy propionate
○ 5.3SL(fruit drop control agent, 낙과방지) Nov.'77～Oct.'88
Kuron, Fruitone

fenothiocarb(I) **페노티오카브**

Carbamate
* S-4-phenoxybutyl dimethylthiocarbamate (KMAF)
○ 35EC(acarina, 응애) Apr.'92 : SB
Woosusu 우수수

fenoxanil(F) **페녹사닐**

Phenoxyamide
N-(1-cyano-1,2-dimethyl-propyl)-2-(2,4-dichlorophenoxy)propionamide (KRDA)
○ 4GR(rice blast, 도열병) Mar.'02: SG ○ 20SC(rice blast, 도열병) Mar.'02: DHT
Byeochunguk 벼천국, Kyunandcal, Helmet 헬멧

fenoxanil.iprobenfos(F) **페녹사닐.이프로벤포스**

○ 10+20EC(rice blast, 도열병) Sep. '05 : KN
Noeul 노을

fenoxanil.isoprothiolane(F) **페녹사닐.아이소프로티올레인**

○ 5+30EC(rice blast, 도열병) Jun.'02 : KN
Henggare 헹가레

fenoxanil.phthalide(F) **페녹사닐.프탈라이드**

○ 10+15 SC(rice blast, 도열병) Apr.'04 : YI
Myoungseong 명성

fenoxanil.thifluzamide(F) **페녹사닐.티플루자마이드**

○ 15+3EC(brown spot, 깨씨무늬병) Mar '09 :SG
Byeocheonwang 벼천왕

fenoxaprop-P-ethyl(H) **페녹사프로프-피-에틸**

Aryloxyphenoxypropionate
* ethyl(R)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy]propionate (KMAF)
○ 7EW(upland weeds, 밭잡초) Apr.'94 : KN, SB Jan, '04 : BY ○ 7EC(paddy field weeds, 논잡초) Jan.'09(Re) : SB
Furore 푸로레, Maedeusi 매드시

fenoxycarb(I) **페녹시카브**

Carbamate
* ethyl-2-(4-phenoxyphenoxy)ethyl carbamate (KMAF)
○ 25WP(apple leafminer, 사과굴나방) Mar.'95 ～Dec.'06

fenpropathrin(I) **펜프로파트린**

Pyrethroid
* (RS)-α-cyano-3-phenoxybenzyl 2,2,3,3-tetramethyl cyclopropane carboxylate (KMAF)
○ 5EC(acarina, 응애) Dec.'01(Re) : DB, EB, SB, SG Jan. '04 : BY ○ 5WP(citrus leaf miner, 굴나방) Apr.'87 : DB, SY, EB, BY, SG Mar. '04 : SM ○ 10FW(acarina, 응애) Mar.'96 : DB
Danitol 다니톨, Daytona 다이토나, Pochungtan 포충탄, Sungbo Fenpro 성보펜프로, Danicut 다니캇트, Chungpro 충프로

fenpropathrin.propargite(I) **펜프로파트린.프로파자이트**

○ 4.5+35WP(acarina & aphids, 응애.진딧물) Apr.'93 : DB
Kkeutnaeki 끝내기

fenpropathrin.tetradifon(I) **펜프로파트린.테트라디폰**

○ 4+8EC(acarina & aphids, 응애.진딧물) May'90 : DB
Alpine 알파인

fenpyroximate(I) **펜피록시메이트**

Phenoxypyrazol
* tert-butyl(E)-α-(1,3-dimethyl-5-phenoxypyrazol-4-ylmethylene-amino-oxy)-p-toluate (KMAF)
○ 5SC(acarina, 응애) Apr.'93 : DHT
Salbiwang 살비왕

fenpyroximate.propargite(I) **펜피록시메이트.프로파자이트**

○ 3+10EW(acarina, 응애) Feb.'98 ~ Jan.'08
Bangpaedan

fenthion(I) **펜티온**

Organophosphatel
* O,O-dimethyl O-4-methylthio-m-tolyl phosphorothioate (KMAF)
○ 50EC(rice stemborer, 이화명나방) Dec.'01(Re) : DHT, SY, BY
Lebaycid 리바이짓드, Jeonyeoknol 저녁놀

fentrazamide(H) **펜트라자마이드**

Tetrazolinone
* 4-(2-chlorophenyl)-5-oxo-4,5-dihydro-tetrazole-1-carboxylic acid cyclohexyl ethyl-amine(KRDA)
○ 1.9GR(paddy field weeds, 논잡초) Mar.'03 : BY
Surraemae 써레매

fentrazamide.halosulfuron-methyl(H) **펜트라자마이드.할로설퓨론메틸**

○ 0.8+0.18GR(paddy field weeds, 논잡초) Sep. '05 : KN
Nongburang 농부랑

fentrazamide.imazosulfuron(H) **펜트라자마이드.이마조설퓨론**

○ 1+0.25GR(paddy field weeds, 논잡초) Apr.'00 : DB ○ 6+1.5GR(paddy field weeds, 논잡초) Mar. '07 DB ○ 0.7+0.25GR(paddy field weeds, 논잡초) Nov.'00 : DB ○ 6+1.5SC(paddy field weeds, 논잡초) Apr.'01 : DB ○ 3+0.75GR(paddy field weeds, 논잡초) Oct. '07 DB
Danyounwang 다년왕, Hakjumuc핵주먹, Meari 메아리, Sonnone손노네, Chogihwak 초기확

fentrazamide.pyrazosulfuron-ethyl(H) **펜트라자마이드.피라조설퓨론에틸**

○ 1+0.07GR(paddy field weeds, 논잡초) Apr.'00 : YI Dec. '00 : SG ● 50+3.5WG(paddy field weeds, 논잡초) Apr.'04 : BY
Jonhjibu 종지부, Misung Pulstop 미성풀스톱, Hanbeonmae한번매

fenvalerate(I) **펜발러레이트**

Pyrethroid
* (RS)-α-cyano-3-phenoxybenzyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate (KMAF)
○ 5EC(citrus leafminer, 귤굴나방) Dec.'01(Re) : DB, EB, DU, UI Mar. '04 : SM ○ 5WP(citrus leafminer, 귤굴나방) Dec.'01(Re) : DB, EB, Mar. '04 : SM
EBM date , Sumicidin 스미사이딘, Myulnabangtan 멸나방탄, EBM Zalsite 이비엠잘사이트, Purocidin 푸로사이딘, Bacsalna박살나, Platune 플래툰

ferbam(F) **파밤**

Dimethyldithiocarbamate
* ferric dimethyl dithio carbamate (KMAF)
○ 76WP(rust, 붉은별무늬병) Feb.'73～Dec.'81
Fermate

ferimzone **페림존**

Hydrazone
* (Z)-2′-methylacetophenone 4,6-dimethylpyrimidin-2-ylhydrazone (KMAF)

ferimzone.isoprothiolane(F) **페림존.아이소프로티올레인**

○ 30+15WP(rice blast, 도열병) Jan.'04 : SG, Apr.'04 : DF
Jaerongyi , Nubira 누비라, Garmani-F 가마니에프

ferimzone.phthalide(F) **페림존.프탈라이드**

○ 30+20WP(rice blast & bacterial grain rot, 도열병.이삭마름병) Apr.'93 : DB, SY, Mar.'00 : SG
Sabora 사보라, Garmani 가마니, Kkotgama 꽃가마

ferimzone.tricyclazole(F) **페림존.트리사이클라졸**

○ 30+10WP(rice blast & bacterial grain rot, 도열병.이삭마름병) Jun.'94 : KN, DHT, SB ○ 15+8SC(rice blast, 도열병) Mar. '02 : KN
Nonbura 논브라, Nonsarang 논사랑

fipronil(I) **피프로닐**

Phenylpyrazole
* (±)-5-amino-1-(2,6-dichloro-α,α,α-trifluoro-p-tolyl)-4-trifluoromethyl-sulfinylpyrazole -3-carbonitrile (KMAF)
○ 0.6FG(rice water weevil, 벼물바구미) Dec.'06(Re) : SG Jan. '04 : BY ○ 0.4GR(grass leafroller, 혹명나방) Dec.'06(Re) : SG Jan. '04 : BY ● 15WG(thrips, 총채벌레) Feb.'97 ~ Feb. '02 ○ 5SC(thrips, 총채벌레) Feb.'97, Jan. '04 : BY
Regent 리전트, Regent-F 리전트에프, Asend 아센드, Libero 리베로, Eques 에쿠스

flazasulfuron(H) **플라자설퓨론**

Sulfonylurea
* 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifuoromethyl-2-pyridylsulfonyl)urea (KMAF)
● 10 WP(upland weeds, 밭잡초) Dec.'06(Re) : DHT ○ 0.15GR(upland weeds, 밭잡초) Dec.'06(Re) : DHT ● 25WG(upland weeds, 밭잡초) Oct.'07 : ISK
Parandul 파란들, Shibagen 시바겐

flonicamid(I) **플로니카미드**

* N-cyanomethyl-4-(trifluoromethyl)nicotinamide(KRDA)
● 10WG(aphids 진딧물) Sep. '05 : DHT, ISK
Setis 세티스

fluacrypyrim(I) **플루아크리피림**

Pyrimidinyloxy
*methyl(E)-2-2{a-[2-isopropoxy-6-(trifluoromethyl)pyrimidine-4-yloxy]-o-tolyl}-3-methoxyacrylate(RDA)
○ 30SC(citrus red mite, 귤응애) Apr.'03 : KN
Haenaemi 해내미

fluacrypyrim.tetradifon(I) **플루아크리피림.테트라디폰**

○ 36SC(citrus red mite, 귤응애) Apr.'03 : SG
Ziffet 지페트

fluazifop-butyl(H) **플루아지포프뷰틸**

Aryloxyphenoxypropionate
* butyl-2-(4-(5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate (KMAF)
○ 35EC(upland weeds, 밭잡초) May.'85 ~ Dec.'01
Onecide

fluazifop-P-butyl(H) **플루아지포프-피-뷰틸**

Aryloxyphenoxypropionate
* butyl(R)-2-[4-(5-trifluoro methyl -2-pyridyloxy)phenoxy]propionate (KMAF)
○ 17.5EC(upland weeds, 밭잡초) Dec.'06(Re) : SG
Newonecide 뉴원싸이드

fluazinam(F) **플루아지남**

Dinitroaniline
* 3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine (KMAF)
○ 0.5DP(brittle root rot, 뿌리마름병) Dec.'06(Re) : DHT ● 50WP(bitter rot, 탄저병) Jan.'07 : ISK ○ 50SC(white rot, 겹무늬썩음병) Jan.'05 : DF ○ 50WP(phytophthora blight, 역병) Sep. '05 : DHT ○ 0.7GR(phytophthora blight, 역병) Mar.'09 : DHT
Frowncide 후론사이드, Modurang 모두랑

flubendiamide(I) **플루벤디아마이드**

3-iodo-N′-(2-mesyl-1,1-dimethylethyl)-N-{4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-o-tolyl}phthalamide(IUPAC)
○ 20SC(beet army worm, 파밤나방) Mar.'08 : SG
Anychung 애니충

flubenzimine(IF) **플루벤지민**

* (2Z,4E,5Z)-N^2,3-diphenyl-N^4,N^5-bis(trifluoromethyl)-1,3-thiazolidine-2,4,5-triylidene triamine (KMAF)
○ 50WP(acarina & alternaria leaf spot, 응애.점무늬낙엽병) May'88～Mar.'91

flucetosulfuron(H) **플루세토설퓨론**

Sulfonylurea
*(1RS,2RS;1RS,2SR)-1-{3-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-2-pyridyl}-2-fluoropropylmethoxyacetate(KRDA)
○ 0.07 GR(paddy field weeds, 논잡초) Apr. '06 : EB ○ 0.5JB(paddy field weeds, 논잡초) Sep. '05 : KN ○ 10WG(paddy field weeds, 논잡초) Apr. '06 : EB ○ 50WP(turf weeds, 잔디잡초) Mar.'09 : KN ○ 0.5GR(turf weeds, 잔디잡초) Mar.'09 : KN
Fluxo 플럭소, Dansoomae 단수매, Starbig 스타빅, Johnplus 존플러스

flucetosulfuron.halosulfuron-methyl(H) **플루세토설퓨론.할로설퓨론메틸**

○ 0.42+1.08DT(paddy field weeds, 논잡초) Oct' 07 :KN
Jumbotan 점보탄

flucetosulfuron.Imazaquin(H) **플루세토설퓨론.이마자퀸**

○ 5+10 WG(turf weeds, 잔디잡초) Mar.'09 : DB ○ 0.3+2 GR(turf weeds, 잔디잡초) Mar.'09 : DB
Jandiro 잔디로

flucetosulfuron.imazosulfuron(H) **플루세토설퓨론.이마조설퓨론**

○ 0.05+0.25 GR(paddy field weeds, 논잡초) Apr.'04 : DB ○ 0.3+1.5 GR(paddy field weeds, 논잡초)Mar.; 08 :DB
Ilgimae 일지매, Nonaejon 노네존

flucetosulfuron.Mesotrione.Pretilachlor(H) **플루세토설퓨론.메소트리온.프레틸라클로르**

○ 0.07+0.3+0.6GR(paddy field weeds, 논잡초) Sep.'08 : SY
Amyoung 어명

flucetosulfuron.pretilachlor(H) **플루세토설퓨론.프레틸라클로르**

○ 0.07+1 GR(paddy field weeds, 논잡초) Apr.'04 : SY
Entryone 엔트리원

flucetosulfuron.pyrazolate.simetryn(H) **플루세토설퓨론.피라졸레이트.시메트린**

○ 0.07+3+0.7GR(paddy field weeds, 논잡초) Sep.'08 : DB
Sungakja 선각자

flucetosulfuron.pyrazosulfuron-ethyl(H) **플루세토설퓨론.피라조설퓨론에틸**

○ 0.05+0.07 GR(paddy field weeds, 논잡초) Apr.'06 : EB ○ 4+3WG(paddy field weeds, 논잡초) Sep. '05 : EB, SG ○ 7+8.4WG(paddy field weeds, 논잡초) Oct. '06 : EB
Templer 템플러, Fulltime 풀타임, Fulltime plus, 풀타임플러스

flucetosulfuron.simetryn(H) **플루세토설퓨론.시메트린**

○ 0.07+0.3GR(paddy field weeds, 논잡초) Sep. '05 : YI
Jimyungta 지명타

flucycloxuron(I) **플루사이클록수론**

Benzoylurea
* 1-〔α-(4-chloro-α-cyclopropyl-benzylidene amino-oxy)-p-tolyl)-3-(2,6-difluorobenzoyl) urea〔ratio 50 to 80%(E)-and 50 to 20%(Z)-isomers〕(KMAF)
○ 23DC(acarina, 응애) Jun.'94 ~Dec.'06
Andalin

flucythrinate(I) **플루사이트리네이트**

Pyrethroid
* (RS) α-cyano-3-phenoxybenzyl (S)-2-(4-difluoromethoxyphenyl)-3-methylbutyrate
○ 5WP(peach fruit moth, 심식나방) May'87~Mar.'94 ○ 3EC(aphids, 진딧물) May'88 ~Dec.'06
Pay-Off

fludioxonil(F) **플루디옥소닐**

Phenylpyrrole
* 4-(2,2-difluoro-1,3-benzodioxol-4-yl)pyrrole-3-carbonitrile (KMAF)
○ 10FS(rice seed disinfectant, 벼종자소독)Dec.'06(Re) : DHT, Aug.'99 : SY ○ 20FW(gray mold, 잿빛곰팡이병) Dec.'06(Re) : DHT, Aug.'99 : SY ○ 20SC(gray mold, 잿빛곰팡이병) Mar.'02 : SY ● 48.5WP(large patch, 라이족토니아마름병) Mar. '07 : SY
Sapphire 사파이어, Ari Sweeper 스위퍼 Medallion 메달리온

fludioxonil.metalaxyl-M(F) **플루디옥소닐.메탈락실-엠**

● 2.2+0.91FS(damping off, 잘록병) Sep.'08 : SY
Mammos 맘모스

flufenacet(H) **플루페나셋**

Oxyacetamide
* 4′-fluoro-N-isopropyl-2-(5-trifluoromethyl-1,3,4-thiadiazol-2-yloxy)acetanilide (KRDA)
○ 36WP(upland weeds, 밭잡초) Mar.'00 : BY
Purupsae 푸럽새

flufenacet.metribuzin(H) **플루페나셋.메트리뷰진**

○ 36+7WP(upland weeds, 밭잡초) Jan.'09(Re) : BY
Draeda 드래다

flufenoxuron(I) **플루페녹수론**

Benzoylurea
* 1-[4-(2-chloro-α,α,α-trifluoro-p-tolyloxy) 2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea(KMAF)
○ 5DC(acarina, 응애) Dec.'06(Re) : SB, YI, SG
Cascade 카스케이드, Aronge 아롱이, Youngil Flufenoxuron 영일플루페녹수론

flufenoxuron.indoxacarb(I) **플루페녹수론.인독사카브**

○ 2+2.5WP(tobacco budworm, 담배나방) Mar.'08 : SB
Baksane 박사내

flufenoxuron.metaflumizon(I) **플루페녹수론.메타플루미존**

○ 8.5SC(diamond-back moth, 배추좀나방) Mar.'09 : YI
Mallotplus 맬럿플러스

flumioxazin(H) **플루미옥사진**

Phenylphthalimide
*N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)-cyclohex-1-ene-1,2-dicarboxamide(KRDA)

flumioxazin.glyphosate(H) **플루미옥사진.글리포세이트**

○ 1.5+28SC(orchard weeds, 과원잡초) Mar. '02 : DB
Laser 레이저

fluopicolide(F) **플루오피콜라이드**

*2,6-dichloro-N-〔{3-chloro-5(trifluoromethyl)-2pyridinyl} methyl〕benzamide(KRDA)

fluopicolide.iprovalicarb(F) **플루오피콜라이드.이프로발리카브**

○ 4+12SC(foot rot, 역병) Mar.'08 : BY
Blocking 부로킹

fluopicolide.propamocarbhydrochloride(F) **플루오피콜라이드.프로파모카브하이드로클로라이드**

○ 5+50 SC(phytophthora blight, 역병) Mar. '06 : BY
Infinito 인피니트

fluoroimide(F) **플루오로이미드**

* 2,3-dichloro-N-4-fluorophenyl maleimide (KMAF)
○ 75WP(powdery mildew, 흰가루병) Dec.'01(Re) : KN
Kyungnong Spat 경농스팟트

flupyrazofos(I) **플루피라조포스**

Organophosphate
* O,O-diethyl O-1-phenyl-3-trifluoromethyl pyrazol-5-yl phosphorothioate (KMAF)
○ 10EC(diamond-back moth, 배추좀나방) Jun.'96 ~Dec.'06
Sunbong

fluquinconazole(F) **플루퀸코나졸**

Triazole
* 3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)quinazolin-4(3H)-one (KRDA)
○ 25WP(white rot, 겹무늬썩음병) Jan.'09(Re) : SB ○ 10SC(scab, 검은별무늬병) Jan.'09(Re) : BY ○ 2GR(White rot, 흑색썩음균핵병) Mar.' 08 : SB
Castellan 카스텔란, Parisad 파리사드

fluquinconazole.flusilazole(F) **플루퀸코나졸.플루실라졸**

○ 7+1.5SC(powdery mildew, 흰가루병) Mar. '06 : DHT
Singgeurong 싱그롱

fluquinconazole.prochloraz-manganese complex(F) **플루퀸코나졸.프로클로라즈망가니즈**

○ 5+25WP(anthracnose, 탄저병) Mar. '05 : SB
Sungbo tanjeobaksa 성보탄저박사

fluquinconazole.propineb(F) **플루퀸코나졸.프로피네브**

○ 10+56WP(bitter rot, 탄저병) Mar.'09 : SB
Tandeurop 탄드롭

fluquinconazole.pyrimethanil(F) **플루퀸코나졸.피리메타닐**

○ 5+30SC(gray mold, 잿빛곰팡이병) Jan.'09(Re) : SG
Kummori 금모리

fluroxypyr.glufosinate-ammonium(H) **플루록시피르.글루포시네이트암모늄**

○ 2.4+9ME(orchard weeds, 과원잡초) Jun.'99 ~ Jan.'09 : KN
Uniba

fluroxypyr-meptyl(H) **플루록시피르멥틸**

Pyridinecarboxylic acid
* (1-methyl heptyl ester of) 4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid (KMAF)
○ 20 EC(turf weeds, 잔디잡초) Mar. '06 : DF
Boru 보루

fluroxypyr-meptyl.glyphosate(H) **플루록시피르멥틸.글리포세이트**

○ 6+20SL(orchard weeds, 과원잡초) Dec.'06(Re) : DHT
Younibar 유니바

flusilazole(F) **플루실라졸**

Triazole
* 1-[(bis(4-flurophenyl)methylsilyl)methyl]-1H-1,2,4-triazole (KMAF)
○ 2.5WP(rust, 붉은별무늬병) Dec.'06(Re) : KN, DF, DHT ● 20WG(white rot, 겹무늬썩음병) Feb.'97 : KN, DF, DHT
Charisma 카리스마, Olymp 올림프, Cazate 카자테, Nustar 누스타, Ghost 고스트

flusilazole.kresoxim-methyl(F) **플루실라졸.크레속심메틸**

○1.5+10SC(powdery mildew, 흰가루병) Mar. '07 : DF
Gwipum 귀품

flusulfamide(F) **플루설파마이드**

Benzenesulfonamide
* 2′,4-dichloro-α,α,α-trilfluoro-4′-nitro-m-toluenesulfonanilide (KMAF)
○ 0.3DP(club root, 뿌리혹병) Dec.'06(Re) : KN, YI, SG ○ 0.2GR(club root, 뿌리혹병) Sep. '05. YI ○ 12.5SC(club root, 뿌리혹병) Mar. '07. YI
Youngil hoganna 영일 혹안나, Sabangdam 사방댐

flutolanil(F) **플루톨라닐**

Carboxamide
* α,α,α-trifluoro-3′-isopropoxy-O-toluanilide (KMAF)
○ 25 WP(sheath blight, 잎집무늬마름병) Mar.'86.～Mar.'91 ○ 20 SC(sheath blight, 잎집무늬마름병) (Mar.'88.～Mar.'91) ○ 15 EC(sheath blight, 잎집무늬마름병) Dec.'06(Re) : KN ○ 7 GR(sheath blight, 잎집무늬마름병) Mar. '06 : KN
Moncut 몬카트

flutolanil.Isoprothiolane(F) **플루톨라닐.아이소프로티올레인**

○ 25+20 WP(White rot, 흑색썩음균핵병) Sep.'08 : KN
Newgreen 뉴그린

flutolanil.metalaxyl-M(F) **플루톨라닐.메탈락실-엠 입제**

○ 2.5+1.0 GR(damping off, 잘록병) Sep.'08 : KN
Sinuison 신의손

flutolanil.propamocarb hydrochloride(F) **플루톨라닐.프로파모카브하이드로클로라이드**

○ v5+35SC(damping off, 잘록병) Dec' 07 :KN
Pochungchun 포청천

flutolanil.tricyclazole(F) **플루톨라닐.트리사이클라졸**

○ 4.3+37.5WP(rice blast & sheath blight, 도열병.잎집무늬마름병) Mar.'86 ～ Mar.'91
Mundomyul

fluvalinate(I) **플루발리네이트**

Pyrethroid
* (RS) α-cyano-3-phenoxybenzyl (R)-2-(2-chloro-4-(trifluoromethyl)-anilino)-3-methyl butanoate (KMAF)
○ 5WP(aphids, 진딧물) May'87 ~Dec.'06 ○ 5EC(citrus leafminer, 귤굴나방) May'87 ~Dec.'06
Mavrik

fluvalinate.teflubenzuron(I) **플루발리네이트.테플루벤주론**

○ 3+2WP(aphids, 진딧물) Mar.'92~Mar.'96

folpet(F) **폴펫**

Phthalimide
* N-(trichloro methylthio) phthalimide (KMAF)
○ 50WP(bitter rot, 탄저병) Dec.'01(Re) : KN, DHT, BY, YI, SG Mar. '04 : SM
Kyungnong Folpet 경농홀펫, Geummang 금망, Youngil Folpet 영일홀펫, Samgong Folpet 삼공홀펫, Tanzurwanogyun 탄저와노균

folpet.fosetyl-aluminium(F) **폴펫.포세틸알루미늄**

○ 50+25WP(downy mildew, 노균병) Apr.'84 ~ Dec.'01
Mikal

folpet.metalaxyl(F) **폴펫.메탈락실**

○ 30+4GP(downy mildew, 노균병) (Apr.'89 ~ Mar.'92)

folpet.oxadixyl(F) **폴펫.옥사딕실**

○ 35+10WP(downy mildew, 노균병) Apr.'87~Mar.'92
Modusan S

fonofos(I) **포노포스**

* O-ethyl S-phenyl (RS)-ethylphosphono dithioate (KMAF)
○ 5GR(soil insects, 토양해충) Nov.'82 ~ Dec. '01
Dyfonate

forchlorfenuron(P) **포클로르페뉴론**

* 1-(2-chloro-4-pyridyl)-3-phenylurea (KMAF)
● 0.1SL(plant growth promotor, 생장촉진) Apr.'96 : AL Feb. '04 : BY
Fulmet 풀메트

formothion(I) **포모티온**

* S-(N-formyl-N-methyl carbamoyl methyl) O,O-dimethyl phosphorodithioate (KMAF)
○ 33EC(aphids, 진딧물) Dec.'77~Mar.'91
Anthio, Aflix

fosetyl-aluminium(F) **포세틸알루미늄**

Organophosphate
* ethyl hydrogen phosphonate aluminium tris (ethyl phosphonate) (KMAF)
○ 80WP(downy mildew, 노균병) Dec.'01(Re) : SG Jan. '04 : BY ● 77WG(phytium blight ,피티움마름병) Sep. '08 : BY
Aliette 알리에테, Signature, Purejon 푸레존

fosetyl-aluminium.iprodione(F) **포세틸알루미늄.이프로디온**

○ 60+20WP(gray mold, 잿빛곰팡이병) May '00 ~ Dec.'06
Gurduri

fosetyl-aluminium.mancozeb(F) **포세틸알루미늄.만코제브**

○ 44+26WP(downy mildew, 노균병) Dec.'01(Re) : KN, DHT
Rhodax 로닥스

fosthiazate(I) **포스티아제이트**

Organophosphate
* (RS)-S-sec-buty O-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphonothioate (KMAF)
○ 5GR(nematoda, 선충) Apr.'95 : DHT ○ 30SL(nematoda, 선충) Apr.'04 : DHT
Sunchungtan 선충탄

furametpyr(F) **퓨라메트피르**

Carboxamide
5-chloro-N-(1,3-dihydro-1,1,3-trimethylisobenzofuran-4-yl)-1,3-dimethyl pyrazole-4-carboxamide(KRDA)

furathiocarb(I) **퓨라티오카브**

Carbamate
* butyl 2,3-dihydro-2,2-dimethylbenzofuran-7-yl N,N'-dimethyl-N,N'-thiodicarbamate (KMAF)
○ 10EC(aphids, 진딧물) Apr.'89 ~Dec.'06 ○ 10WP(aphids, 진딧물) Nov.'90 ~Dec.'06 ○ 5GR(rice water weevil, 벼물바구미) Apr.'96 ~Dec.'06
Deltanet

furathiocarb.tebufenpyrad(I) **퓨라티오카브.테부펜피라드**

○ 4+2WP(acarina & aphids, 응애.진딧물) Mar.'95 ~Dec.'06
Hiton

furathiocarb.triazamate(I) **퓨라티오카브.트리아자메이트**

○ 7+5WP(aphids, 진딧물) Feb.'97 ~Jan.'07
Alphanet

G

gamma-cyhalothrin(I) **감마사이할로트린**

Pyrethroid
*(S)-α-cyano-3-phenoxybenzyl (Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropan ecarboxylate(KRDA)
● 1.4CS(oriental tobacco budworm, 담배나방) Mar. '05 : DHT
Limousine 리무진

gibberellic acid(P) **지베렐린산**

* (3S,3aS,4S,4aS,6S,8aR,8bR,1IS)-6,11-dihydroxy-3-methyl-12-methylene-2-oxo-4a,6-ethano-3,8b-prop-1-enoperhydroindeno[1,2-b]furan-4-carboxylic acid (KMAF)
○ 3.1SP(plant growth promoter, 생장촉진) Dec.'01(Re) : KN, DHT, EB, BY, YI Jul.' 07 : JU Mar.'04: SM, Jan. '06 : UI Jan. '06 : DU ● 2.7PA(plant growth promoter, 생장촉진) Dec.'01(Re) : BY, KC Apr.'04 : DB, Mar.'09 :TJ ○ 2.5SL(plant growth promoter, 생장촉진) Feb.'98 , Jan. '06 : SM Jan.'08(Re) : JU
Gibberellin協和 지베레린協和, Kyunnong Gibberellin 경농지베레린, Dongbu Gibberellin 동부지베레린, Gibberellin Gold 지베레린골드, Youngil Gibberellin 영일지베레린, Woori Gibberellin 우리지베레린, EBM Deoker 이비엠 더커, Gibberellin 지베렐린, Daeyu-gibberellin 대유지베렐린, Hibaelin 하이배린 Ilidin 일리딘, Uil Gibberellin유일지베렐린, Chunwoo Gibberellin347 천우지베렐린347, Dongbangagro Gibberellin 동방아그로지베렐린, Taejun Gibberellin 태준지베레린

gibberellic acid.gibberllin A_{4+7}(P) **지베렐린산.지베렐린에이포세븐**

*(3*S*,3aS,4*S*,4aS,7S,9a*R*,9b*R*,12*S*)-7,12-dihydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-9b,3-propeno[1,2-*b*]furan-4-carboxylic acid * (3*S*,3a*R*,4*S*,4a*R*,7*R*,9a*R*,9b*R*,12*S*)-12-hydroxy-3-methyl-6-methylene-2-oxoperhydro-4a, 7-methano-3,9b-propanoazuleno[1,2-*b*]furan-4-carboxylic acid + (3*S*,3a*R*,4*S*,4a*R*,7*R*,9a*R*,9b*R*,12R)-12-hydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-9b,3-propenoazuleno[1,2-*b*]furan-4-carboxylic acid (KRDA)
○ $GA_3$2.5%.+GA_{4+7}0.2%PA(fruit growth promoter, 비대촉진) Apr.'05 : DHT Dec. '05 : SM
DongbuGibberellinGold 동부지베레린골드, ChunwooGibberellin347 천우지베렐린347 Uil Gibberellin 유일지베렐린

gibberellic acid.prohydrojasmon(P) **지베렐린산.프로하이드로자스몬**

○ 1+1SL(fruit growth promoter, 비대촉진) Oct.'04 : YI
YoungilPlus 영일플러스

gibberellin A_{4+7}(P) **지베렐린에이포세븐**

* (3*S*,3a*R*,4*S*,4a*R*,7*R*,9a*R*,9b*R*,12*S*)-12-hydroxy-3-methyl-6-methylene-2-oxoperhydro-4a, 7-methano-3,9b-propanoazuleno[1,2-*b*] furan-4-carboxylic acid + (3*S*,3a*R*,4*S*,4a*R*,7*R*,9a*R*,9b*R*,12*S*)-12-hydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-9b,3-propenoazuleno[1,2-*b*]furan-4-carboxylic acid (KRDA)
○ 2.4 PA(fruit growth promoter, 비대촉진) Oct. '06 : UI
Nebaecur 네배커

gibberellinA_{4+7}.6-benzylamino purine(P) **지베렐린에이포세븐.육-비에이**

● 1.8+1.8SL(fruit growth promoter, 비대촉진) Mar.'96 : YI Sep. '05 : DF, ,JU, ,SM Mar. '06 : SA
Purlan, Pomina 포미나, Bordme 보드미, Bigber 빅버, Gibberix 지베릭스, Garcia 가르시아, Bidaeone 비대원

glufosinate-ammonium(H) **글루포시네이트암모늄**

Phosphinic acid
* ammonium-4-[hydroxy(methyl)phosphinoyl]-DL-homoalanine (KMAF)
○ 20SL(orchard weeds, 과원잡초) Mar.'86 ~ May'90 ○ 18SL(orchard weeds, 과원잡초) Apr.'89 : KN, Dec.'03 : BY Feb.'07 : SM
Basta 바스타, Kyungnongbasta, Zeroin 제로인 Balganpul 빨간풀

glyphosate(H) **글리포세이트**

Organophosphate
* isopropylamine salt of N-(phosphono methyl) glycine (KMAF)
○ 41SL(orchard weeds, 과원잡초) Dec.'01(Re) : KN, DB, DF, DHT, SY, EB, BY, SB, YI, SG, AL,, SM, Mar.'04 : BY ● 41SL(orchard weeds, 과원잡초) 03'Feb : KC, 03'Nov : JK, ● 13.5SL(non-cropland weeds, 비농경지잡초) Mar.'00 : SB
Keunsami 근사미, Roundup 라운드업, Keunjabi 근자비, Burndown 번다운 Haesomglycin, Glycin Gold 글라신골드, Sungbo Glycin성보글라신, Ari Glycin 아리글라신, EBM notouch 이비엠노타치, Pulmata 풀마타, New Glycin 뉴글라신, Jisimwang 지심왕, Clycin power 글라신파워, 금새미,

glyphosate.oxyfluorfen(H) **글리포세이트.옥시플루오르펜**

○ 20+1 ME(orchard weeds, 과원잡초) Mar. '03 : KN ● 40.5+2.5 SC(orchard weeds, 과원잡초) Apr. '04 : YI, Jun. '04 : SG
Chotohwa 초토화, Zoomer, Taewoomi 태우미

glyphosate.pyraflufen-ethyl(H) **글리포세이트.피라플루펜에틸**

○ 30+0.15SC(orchard weeds, 과원잡초) Apr. '01 : DF
New Pulmagi, Pulmagi Gold 풀마기골드

glyphosate.terbuthylazine(H) **글리포세이트.터뷰틸라진**

○ 10.5+15WG(orchard weeds, 과원잡초) Feb.'97 ~ Jan.'07
Saksulyi

glyphosate.triclopyr-TEA(H) **글리포세이트.트리클로피르티이에이**

○ 35+6SL(orchard weeds, 과원잡초) Feb.'98 ~ Jan.'08
Pulmae

glyphosate-ammonium(H) **글리포세이트암모늄**

Organophosphate
* ammonium salt of N-(phosphonomethyl) glycine (KRDA)
○ 16.2SL(orchard weeds, 과원잡초) Dec.'01 : DB ○ 74SG(orchard weeds, 과원잡초) Jan.'04 : KN ● 16.2SL(upland weeds, 밭잡초) Jan.'08(Re) : DB ● 74 SG(orchard weeds, 과원잡초) Jan.'08(Re) : KN, JK
Spark 스파크, Vegadex 베가덱스

glyphosate-ammonium.oxyfluorfen(H) **글리포세이트암모늄.옥시플루오르펜**

○ 36+2WG(orchard weeds, 과원잡초) Jan.'09(Re) : KN
Daejangkun 대장군

glyphosate-potassium(H) **글리포세이트포타슘**

Organophosphate
* N-(Phosphonomethyl)glycine potassium salt(RDA)
○ 43.5SL(orchard weeds, 과원잡초) Jan. '03 : SY ● 43.5SL(orchard weeds, 과원잡초) Mar. '05 : SY
Touchdown IQ 터치다운아이큐

glyphosate-trimesium(H) **글리포세이트트리메슘**

Organophosphate
* N-phosphonomethyl glycine trimethyl sulphonium salt (KMAF)
○ 40SL(orchard weeds, 과원잡초) Apr.'91 : DHT, SY, YI, SG
Touchdown

H

halfenprox(I) **할펜프록스**

Pyrethroid
* 2-(4-bromodifluoromethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether (KMAF) 2-[4-(bromodifluoromethoxy)phenyl]-2-methylpropyl-3-phenoxybenzyl ether
○ 5CS(acarina, 응애) Feb.'97 ~ Jan.'07
Maha

halosulfuron-methyl(H) **할로설퓨론메틸**

Sulfonylurea
* methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate (KRDA)
○ 0.2GR(paddy field weeds, 논잡초) Sep. '05 : KN
Hanada 하나다

halosulfuron-methyl.mefenacet(H) **할로설퓨론메틸.메페나셋**

○ 0.54+10.5GR(paddy field weeds, 논잡초) Jan.'09(Re) : KN ○ 0.2+3.5GR(paddy field weeds, 논잡초) Mar.'02 : KN
Nongirang 농이랑

halosulfuron-methyl.mefenacet.pyriminobac-methyl(H) **할로설퓨론메틸.메페나셋.피리미노박메틸**

● 2.16+24+1.2UG(paddy field weeds, 논잡초) Sep. '05 : KN
Goldenball 골든볼

halosulfuron-methyl.mefenacet.thiobencarb(H) **할로설퓨론메틸.메페나셋.티오벤카브**

○ 0.18+1.5+5GR(paddy field weeds, 논잡초) Sep.'05 : KN
Modmae 모드매

halosulfuron-methyl.molinate(H) **할로설퓨론메틸.몰리네이트**

○ 0.18+7GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : KN
Mapae 마패

halosulfuron-methyl.oxaziclomefone(H) **할로설퓨론메틸.옥사지클로메폰**

○ 0.18+0.2GR(paddy field weeds, 논잡초) Sep. '05 : KN ○ 1.62+1.2JB(paddy field weeds, 논잡초) Oct. '06 : KN ● 18+17WG(paddy field weeds, 논잡초) Sep. '06 : KN
Mansumi 만서미, Ipyunhan 이편한

halosulfuron-methyl.pretilachlor.pyriminobac-methyl(H) **할로설퓨론메틸.프레틸라클로르.피리미노박메틸**

○ 0.18+1+0.1GR(paddy field weeds, 논잡초) Mar. '02 : KN
Nonbobae 논보배

halosulfuron-methyl.pyriminobac-methyl(H) **할로설퓨론메틸.피리미노박메틸**

○ 0.18+0.1GR(paddy field weeds, 논잡초) Apr. '01 : KN ○ 1.62+0.6JB(paddy field weeds, 논잡초) Apr. '04 : KN ● 2.16+1.2GR(paddy field weeds, 논잡초) Sep. '05 : KN
Nonkeeper 논키퍼, Jumeoktan 주먹탄, Sunguza 선구자

haloxyfop-methyl(H) **할록시포프메틸**

Aryloxyphenoxypropionate
* methyl ester of (RS)-2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid (KMAF)
○ 12.5EC(upland weeds, 밭잡초) Mar.'90～Mar.'94
Gallant

haloxyfop-R-methyl(H) **할록시포프-아르-메틸**

Aryloxyphenoxypropionate
* R-methyl 2-[4-(3-chloro-5-trifluomethyl-2-pyridyloxy)phenoxy]propionate (KMAF)
○ 10EC(upland weeds, 밭잡초) Dec.'06(Re) : KN, DB, DF, DHT
Super Gallant 슈퍼갤런트, Subuki수부키, Yeibong 여의봉

heptenophos(I) **헵테노포스**

Organophosphate
* 7-chlorobicyclo[3,2,0] hepta-2,6-dien-6-yl dimethyl phosphate (KMAF) [7-chlorobicyclo[3,2,0] hepta-2,6-dien-6-yl] dimethyl phosphate
○ 50EC(aphids, 진딧물) Jun.'81～Jun.'91
Hostaquick

hexaconazole(F) **헥사코나졸**

Triazole
* (RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol (KMAF)
○ 10EC(sheath blight, 잎집무늬마름병) May'90 ～Dec.'06. Jul. '07 : DF ● 2SC(scab, 검은별무늬병) May'90 ～Dec.'06 ○ 5WP(white rot, 겹무늬썩음병) Jan.'97 ～Dec.'06 ● 3WG(alternaria leaf spot, 점무늬낙엽병) Feb. '01 ～ Jan. '07 ○ 1GR(lodging reduction, 도복경감) Jan.'08(Re) : SG ○ 2SC(scab, 검은별무늬병) Jan.'09(Re) : SG, Mar.'01 : SY Sep. '05 : DF ● 5SC(scab, 검은별무늬병) Mar'03 : KN
Anvil 안빌, Pujimae, Rapid, MVP 엠브이피, Hanbit 한빛, Ari hexa 아리헥사, Changoeun 참고은 Chimtuwang 침투왕, Activator 엑티베이터

hexaconazole.iprobenfos(F) **헥사코나졸.이프로벤포스**

○ 0.7+13.6GR(lodging reduction, 도복경감) Mar. '06 : DHT
Barikeit 바리케이트

hexaconazole.prochloraz(F) **헥사코나졸.프로클로라즈**

○ 1+25EC(rice seed disinfectant, 벼종자소독) Mar.'08 : SG
Gyunmagi 균마기

hexaconazole.thifluzamide(F) **헥사코나졸.티플루자마이드**

○ 6+1SC(sheath blight, 잎집무늬마름병) Oct. '06 : DHT
Pilseung 필승

hexaflumuron(I) **헥사플루뮤론**

Benzoylurea
* 1-[3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea (KMAF)
○ 10SC(diamond-back moth, 배추좀나방) Apr.'95 ~Dec.'06
Danbiron

hexazinone(H) **헥사지논**

Triazine
* 3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione (KMAF)
○ 5GR(forest weeds, 산림잡초) Dec.'06(Re) : YI
Solsol 솔솔

hexythiazox(I) **헥시티아족스**

Thiazolodinone
* (4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3- thiazolidine-3-carboxamide (KMAF)
○ 10WP(acarina, 응애) Sep. '04 : AL ○ 23SC(acarina, 응애) Apr.'91 ~Dec.'06 ○ 10EC(acarina, 응애) Apr.'93 ~Dec.'06
Boom 붐

hexythiazox.machine oil(I) **헥시티아족스.기계유**

○ 1+80EC(acarina, 응애) May'94 ~Dec.'06
Superan, Ssamjidon

hydrogen cyanide(I) **하이드로겐 시아나이드**

** hydrogen cyanide(KRDA)
● 98GA(citrus mealybug, 귤가루깍지벌레) Jun. '00 ~Apr.'08
Sianosil

hymexazol(F) **하이멕사졸**

Isoxazol
* 5-methylisoxazol-3-ol (KMAF)
○ 30SL(rice seedling blight, 벼잘록병) Dec.'01(Re) : KN, DF, DHT, SB Dec. '03 : BY Oct.'07 DB ○ 4DP(rice seedling blight, 벼잘록병) Dec.'01(Re) : KN, DF, DHT Dec. '03 : BY ○ 4GR(rice seedling blight, 벼잘록병) Mar. '02, Dec. '03 : BY
A-one 에이원, Tachiwon 다찌원, Kyungnong Tachigaren경농다찌가렌, Tachigaren Gold 다찌가렌골드, Saenongwang새농왕, Jungmil Tachigaren 정밀다찌가렌, Dongbu Tachigaren 동부다찌가렌 Dongbang Tachigaren 동방다찌가렌

hymexazol.metalaxyl(F) **하이멕사졸.메탈락실**

○ 4+0.5DP(acute damping off, 뜸묘) Dec.'01(Re) : DF, SY, SB Dec. '03 : BY ○ 30+4 SL(rice seedling blight, 벼잘록병) Dec.'01(Re) : DF, Dec. '03 : BY
Tachiace 다찌에이스, Datchiran 다찌란, Jungmil Tachimil정밀다찌밀, Sungbo Tachimil성보다찌밀

hymexazol.metalaxyl-M(F) **하이멕사졸.메탈락실-엠**

○ 4+0.25 DP(seedling blight, 잘록병) Apr.'04 : SB ○ 30+2 SL(seedling blight, 잘록병) Apr.'04 : SB ○ 4+0.25GR(seedling blight, 잘록병) Jan.'09 : By ○ 30+2SL(seedling blight, 잘록병) Jan.'09 : By
Sungbo tachimil gold 성보다찌밀골드, Tachiace 다찌에이스

hymexazol.oxadixyl(F) **하이멕사졸.옥사딕실**

○ 4+0.5DP(seedling blight, 잘록병) Dec.'06(Re) : DHT
Modazon 모다존

I

IAA(P) **아이에이에이**

Auxin
* indole 3-yl acetic acid (KMAF)
Rhizipon A

IAA.6-benzyl aminopurine(P) **아이에이에이.육-비에이**

○ 0.3+0.2SL(plant growth promoter, 생장촉진) Dec.'01(Re) : DHT, YI, CI, EB
Doremi 도래미, Filltech IB 필택IB, Deocer 더커,

IBA(P) **아이비에이**

* 4-indol-3-ylbutyric acid (KMAF)
● 0.5DP(root growth promotor, 발근촉진) May'88 ~Dec.'06 ● 0.4SL(root growth promotor, 발근촉진) Dec.'06(Re) : YI
Oxyberon 옥시베론

imazapyr(H) **이마자피르**

Imidazolinone
* 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl) nicotinic acid (KMAF)
○ 2.5GR(area of uncultivated land weeds, 비농경지 잡초) Dec.'06(Re) : DHT, YI
Chopper 차퍼, Youngil Imazapyr 영일이마자피르

imazaquin(H) **이마자퀸**

Imidazolinone
* (RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)quinoline-3-carboxylic acid (KMAF)
○ 20SL(upland weeds, 밭잡초) Feb.'97 : DHT, YI ○ 3GR(upland weeds, 밭잡초) Mar.'07 : YI
Tone-Up 톤-앞, Sansoro 산소로

imazosulfuron(H) **이마조설퓨론**

Sulfonylurea
* 1-(2-chloroimidazo[1,2-a] pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea (KMAF)

imazosulfuron.indanofan **이마조설퓨론.인다노판**

○1.5+2.4SC(paddy field weeds, 논잡초) Oct. '06 : KN
Woonsudaetong 운수대통

imazosulfuron.mefenacet(H) **이마조설퓨론.메페나셋**

○ 0.75+10.5GR(paddy field weeds, 논잡초) Mar.'96 ~Dec.'06 ○ 0.25+3.5GR(paddy field weeds, 논잡초) Apr.'01 : SY ○ 1.5+20SC(paddy field weeds, 논잡초) Feb.'97 : DHT
Knilson 크닐손, SuperKnilson 슈퍼크닐손, Magma 마그마

imazosulfuron.mefenacet.thiobencarb(H) **이마조설퓨론.메페나셋.티오벤카브**

○ 0.25+1.5+5GR(paddy field weeds, 논잡초) Sep. '05 : KN
Bigthree 빅쓰리

imazosulfuron.molinate(H) **이마조설퓨론.몰리네이트**

○ 0.25+5GR(paddy field weeds, 논잡초) Mar.'00 : DHT ○ 0.75+15GR(paddy field weeds, 논잡초) Feb.'97~Mar.'00
Nondamae Gold 논다매골드, Nondamae

imazosulfuron.oxaziclomefone(H) **이마조설퓨론.옥사지클로메폰**

○ 0.25+0.2GR(paddy field weeds, 논잡초) Dec.'01 : DB
Mustang 무스탕

imazosulfuron.penoxulam(H) **이마조설퓨론.페녹슐람**

○1.5+0.48SC(paddy field weeds, 논잡초) Oct. '06 : DB
Daeyamang 대야망

imazosulfuron.pentoxazone(H) **이마조설퓨론.펜톡사존**

○ 0.25+0.8GR(paddy field weeds, 논잡초) Jul.'09(Re) : KN
Dancal 단칼

imazosulfuron.pretilachlor(H) **이마조설퓨론.프레틸라클로르**

○ 0.25+1GR(paddy field weeds, 논잡초) Feb.'00 ~ Sep.'08,
Zerocho

imazosulfuron.pyrazolate.simetryn(H) **이마조설퓨론.피라졸레이트.시메트린**

○ 0.18+3+0.7 GR(paddy field weeds, 논잡초) Apr.'04 : DHT
Teughyothan 특효탄

imazosulfuron.pyriftalid(H) **이마조설퓨론.피리프탈리드**

○ 0.25+0.6GR(paddy field weeds, 논잡초) Mar. '02 : SY ○ 1.5+3.6SC(paddy field weeds, 논잡초) Mar. '03 : SY
Apiro Super 아피로슈퍼

imazosulfuron.pyriminobac-methyl(H) **이마조설퓨론.피리미노박메틸**

○ 0.25+0.1 GR(paddy field weeds, 논잡초) Apr.'04 : SG ○ 1.5+0.6 SC(paddy field weeds, 논잡초) Apr.'04 : SG ● 3+1.2GR(paddy field weeds, 논잡초) Sep. '05 : SG ○ 3.0+1.2GR(paddy field weeds, 논잡초) Sep.'08 : SG
Damat 다마타, Tumang 투망

imazosulfuron.thiobencarb(H) **이마조설퓨론.티오벤카브**

○ 0.25+5GR(paddy field weeds, 논잡초) Feb.'97 ~Jan.'07
Puromi

imibenconazole(F) **이미벤코나졸**

Triazole
* 4-chlorobenzyl N-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl) thioacetamidate (KMAF)
○ 15WP(scab, 검은별무늬병) Mar.'95 : DB ○ 5EC(rust, 흰녹병) Mar.'99 : DB ● 0.02 AE(powdery mildew, 흰가루병) Apr. '01 : AL ○ 30WG(scab, 더뎅이병) Mar.'05 : DB
Blackhole 블랙홀, Haesom Richone 해솜리치원, Hwaksiran 확시란

imibenconazole.thiram(F) **이미벤코나졸.티람**

○ 7+60WP(alternaria leaf spot, 점무늬낙엽병) Mar.'96 : DB
Hwaksiran-T 확시란-티

imidacloprid(I) **이미다클로프리드**

Neonicotinoid
* 1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin 2-ylidene-amine (KMAF)
○ 2GR(aphids, 진딧물) Dec.'06(Re) : DB, DHT, BY, YI, Jun. '00 : KN ○ 4SL(plant hopper, 멸구) Dec.'06(Re) : DHT, BY ○ 70WS(rice water weevil & plant hopper, 벼물바구미.멸구) Apr.'94 : DHT, BY ○ 10WP(aphids, 진딧물) Dec.'06(Re) : DB, DHT, BY, Dec. '00 : YI ○ 1.4SF(aphids, 진딧물) Nov.'98 : DHT ○ 20DC(pineleaf gall midge, 솔잎혹파리) Jul.'08(Re) : BY ● 0.005AL(aphids, 진딧물) Jan.'09(Re) : BY ○ 8SC(aphids, 진딧물) Jan.'09(Re) : BY ● 68WG(aphids, 진딧물) May. '06 : BY, KN ○ 68WG(aphids, 진딧물) May. '06 : DF, EB ● 25SG(apple leaf-curling aphid, 사과혹진딧물) Mar. '06 : AJ ○ 1FG(cotton aphid, 목화진딧물) Mar. '08 : BY
Cohino 코히노, Gaucho 가우초, Veteran 베테랑, Nodaji 노다지, Kobbulso코뿔소, Cosine 코사인, Ari imida아리이미다, Admire어드마이어, Mojeok 무적, Nonari 노나리, Confidor 콘피도, Jakkosen 자꼬센 Seracopage, 쎄라코페이지, Conido 코니도, Neocen 네오쎈,

imidacloprid.methiocarb(I) **이미다클로프리드.메티오카브**

○ 3+20WP(thrip, 총채벌레) Jan.'09(Re) : DHT Oct.'02: BY
Pabila 파빌라, Danhanbang 단한방

imidacloprid.methoxyfenozide(I) **이미다클로프리드.메톡시페노자이드**

○ 4+8WP(brown plant-hopper, 벼멸구) Mar.'00 : MS
Merit 메리트

Imidacloprid.spinosad(I) **이미다클로프리드.스피노사드**

○ 5+10SC(American serpentine leaf miner, 아메리카잎굴파리) Mar.'09 : BY
Hanjumeok 한주먹

imidacloprid.tebufenozide(I) **이미다클로프리드.테부페노자이드**

○ 1.6+7WP(plant hopper & grass leaf roller, 멸구.혹명나방) Dec.'06(Re) : DHT
Cornidan 코니단

iminoctadin triacetate(F) **이미녹타딘트리아세테이트**

Guanidine
* 1,1′-iminodi(octamethylene) diguanidinium triacetate (KMAF)
○ 25SL(white rot, 겹무늬썩음병) Dec.'01(Re) : KN, DB, DHT, EB, BY, SB, YI, SG Mar.'04 : BY ● 3PA(canker, 부란병) Dec.'06(Re) : BY
Befran 베푸란, Keumbakna금박나, Youngpower영파워, Youngil Top영일탑, Dupeak 듀팩, Manbyungtan만병탄, Tanburan탄부란, Sungbone 성보네

iminoctadine tris(albesilate)(F) **이미녹타딘트리스알베실레이트**

Guanidine
1,1‘-iminodi(octamethylene)diguanidinium tris(alkylbenzenesulfonate) (KMAF)
○ 40WP(gray mold, 잿빛곰팡이병) Feb.'97 : BY ○ 30SC(powdery mildew, 흰가루병) Jan.'09(Re) : DHT, DB
Bellkute 벨쿠트,Butina 부티나, Talent 탤런트

Iminoctadine tris(albesilate).Polyoxin B(F) **이미녹타딘트리스알베실레이트.폴리옥신비**

○ 20+10WP(gray mold, 잿빛곰팡이병) MAr.'02 : DHT
Juktoma 적토마

iminoctadin tris(albesilate).thiram(F) **이미녹타딘트리스알베실레이트.티람**

○ 20+48WP(alternaria leaf spot, 점무늬낙엽병) Jan.'08(Re) : DB
Chamjone 참조네

inabenfide(P) **이나벤파이드**

* 4′-chloro-2′-(α-hydroxy-benzyl) isonicotinanilide (KMAF)
○ 4GR(lodging reduction, 도복경감) Apr.'91 : DHT
Seritard 세리타드

indanofan(H) **인다노판**

* (RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindan-1,3-dione (KRDA)

indanofan.pyrazosulfuron-ethyl(H) **인다노판.피라조설퓨론에틸**

○ 0.43+0.07GR(paddy field weeds, 논잡초) Mar.'00 : SG ● 37.5+5.25WG(paddy field weeds, 논잡초) Apr.'01 : SG
Puldosa 풀도사

indoxacarb(I) **인독사카브**

Oxadiazine
* methyl 7-chloro-2,3,4a,5-tetrahydro-2-[methylcarbonyl(4-trifluoromethoxy phenyl) carbamoyl] indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate (KRDA)(S)-methyl 7-chloro-2,5-dihydro-2-[[(methoxy-carbonyl)[4-(trifluoromethoxy)phenyl] amino] carbonyl]-indeno[1,2-e][1,3,4]oxadiazine-4a(3h)carboxylate
● 30WG(beet armyworm, 파밤나방) Apr.'00 : DHT Dec. '03 : DF ○ 10WP(beet armyworm, 파밤나방) Mar.'02 : KN ○ 5SC(diamond-back moth, 배추좀나방) Mar.'03 : DHT
Steward Gold 스튜어드골드, Ammate 암메이트 Avata 아바타

indoxacarb.teflubenzuron(I) **인독사카브.테플루벤주론**

○ 1+2WP(apple leafminer, 사과굴나방) Apr.'00 : DHT
Songgolmae 송골매

iodosulfuron-methyl sodium(H) **아이오도설퓨론메틸소듐**

Sulfonylurea
● 10 WG(paddy field weeds, 논잡초) Sep.'08 : BY
Destiny 데스티니, Kerbics-D 커빅스-디

iprobenfos(F) **이프로벤포스**

Organophosphate
* S-benzyl O,O-di-isopropyl phosphorothioate (KMAF)
○ 48EC(rice blast, 도열병) Dec.'01(Re) : KN, DF, BY, SB, YI, Apr.'02: SG Mar. '04: SM ○ 2DP(rice blast, 도열병) Feb.'68 ~ Mar.'92 ○ 7GR(rice blast, 도열병) Mar.'74 ~ Feb.'81 ○ 17GR(rice blast, 도열병) Dec.'01(Re) : KN, DB, DF, BY, YI, SG Mar. '04 : SM
Kitazin 키타진, Ari ib 아리아이비, Doyeoltan 도열탄,Sumaewang 수매왕, Sae IB 새아이비, Dongbang IB 동방아이비

iprobenfos.fenobucarb(IF) **이프로벤포스.페노뷰카브**

○ 2+2DP(plant hopper & blast, 멸구.도열병) May'78 ~ Jun.'92
Kitabassa

iprobenfos.malathion(I) **이프로벤포스.말라티온**

○ 2+2DP(leaf hopper, 매미충) Jan.'88～May'90
Kumihop

iprobenfos.pyroquilon(F) **이프로벤포스.피로퀼론**

○ 30+15EC(rice blast, 도열병) Oct.'90 ～ Dec.'06 ○ 15+ 2GR(rice blast, 도열병) Oct.'90 ～ Dec.'06
Quezina

iprobenfos.tricyclazole(F) **이프로벤포스.트리사이클라졸**

○ 10+20WP(rice blast, 도열병) Jun.'90 ～ Dec.'06 ○ 0.5+2DP(rice blast, 도열병) Jul.'91 ～ Dec.'06
Beachina, Kitabeam

iprodione(F) **이프로디온**

Dicarboximide
* 3-(3,5-dichloro phenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide (KMAF)
○ 50WP(alternaria leaf spot, 점무늬낙엽병) Dec.'01(Re) : DF, DHT, EB Jan.'04 : BY ○ 20FU(leaf blight, 잎마름병) Mar.'96～ Dec.'06 YI, Mar.'07 : AL ● 40SC(alternaria leaf spot, 점무늬낙엽병) Mar.'00～ Apr.'07 ○ 43SC(alternaria leaf spot, 점무늬낙엽병) Mar. '07 : BY
Geumsaemi, Rovral 로브랄, Gyunsari 균사리, Saesiro새시로, EBM Jotena, Youngil Ipro영일이프로, Sae Noburan 새노브란, Ipkill 이프킬, Seraco epro 세라코이프로 Gyundoctor 균닥터

iprodione.oxine-copper(F) **이프로디온.옥신코퍼**

○ 34+16.5WP(alternaria leaf spot, 점무늬낙엽병) Dec.'01(Re) ～ Jun. '02
Rovdong

iprodione.propineb(F) **이프로디온.프로피네브**

○ 20+50WP(downy mildew & bitter rot, 노균병.탄저병) Dec.'06(Re) : DHT
Shinbaram 신바람

iprodione.thiophanate-methyl(F) **이프로디온.티오파네이트메틸**

○ 30+40WP(alternaria leaf spot, 점무늬낙엽병) Dec.'06(Re) : DF, DHT
Dasrin 다스린

iprodione.thiram(F) **이프로디온.티람**

○ 15+40WP(brown patch, 브라운벳취병) Apr.'92 ～ Jun.'02
Rovti

iprovalicarb(F) **이프로발리카브**

Valinamide cabamate
[2-methyl-1{1-(4-methylphenyl)-ethylcarbonyl}-propyl] -carbamic acid isopropyl ester

iprovalicarb.propineb(F) **이프로발리카브.프로피네브**

○ 6+60WP(downy mildew, 노균병) Apr. '01 : BY
Melody 멜로디

iprovalicarb.zoxamide(F) **이프로발리카브.족사마이드**

○ 12+10 WP(downy mildew, 노균병) Jan. '04 : SG
Jabusim 자부심

isazofos(I) **이사조포스**

Organophosphate
* O-5-chloro-1-isopropyl-1H-1,2,4-triazol-3-yl O,O-diethyl phosphorothiate (KMAF)
● 43.5CS(ric stemmaggot, 벼줄기굴파리) Apr.'94 ~ Feb.'02 ○ 3GR(onion maggot, 고자리파리) Apr.'95 :~ Dec.'06
Miral

isofenphos(I) **아이소펜포스**

Organophosphate
* isopropyl-O-[ethoxy(isopropylamino)phosphinothioyl]salicylate (KMAF)
○ 5GR(rice stem maggot, 벼줄기굴파리) Oct.'90 ~Dec.'06
Oftanol

isoprocarb(I) **아이소프로카브**

Carbamate
* 2-isopropyl phenyl methylcarbamate (KMAF)
○ 2DP(plant hopper, 멸구) Feb.'70~Oct.'90 ○ 50WP(plant hopper, 멸구) Mar.'75~Dec.'81 ○ 4GR(plant hopper, 멸구) Feb.'79~Oct.'86
Etrofolan, Mipcin

isoprothiolane(F) **아이소프로티올레인**

Dithiolane
* diisopropyl 1,3-dithiolan-2-ylidene malonate (KMAF)
○ 12GR(rice,blast, 도열병) Dec.'01(Re) : DF, DHT, SG, CI, KN ○ 40EC(rice blast, 도열병) Dec.'01(Re) : DF, DHT, YI, SG, CI, SH, KN ○ 2.5DP(rice blast, 도열병) Sep.'82~Oct.'86
Fuchiwang 후치왕, Jungmil Fuchiwang 정밀후치왕, Nongjawang 농자왕, Seohan Isoran서한이소란, Youngil Isoran 영일이소란

isoprothiolane.carbofuran(IF) **아이소프로티올레인.카보퓨란**

○ 12+3GR(plant hopper & blast, 멸구.도열병) Jul.'84~May'90

isoprothiolane.carbosulfan.(IF) **아이소프로티올레인.카보설판**

○ 12+3.5GR(rice water weevil & rice blast, 벼물바구미.도열병) Mar.'05 : DF
Alari 알알이

isoprothiolane.fenobucarb(IF) **아이소프로티올레인.페노뷰카브**

○ 30.5+21.5EC(plant hopper & blast, 멸구.도열병) Dec.'01(Re) : DHT
Gikiri 지키리

isoprothiolane.propoxur(IF) **아이소프로티올레인.프로폭서**

○ 12+3GR(plant hopper & blast, 멸구.도열병) Aug.'84~May'90

isoprothiolane.tricyclazole(F) **아이소프로티올레인.트리사이클라졸**

○ 20+10WP(rice blast, 도열병) Dec.06(Re) : DF, DHT ○ 8+1GR(rice blast, 도열병) Oct.'91 ~Dec.'06
Dasuwang 다수왕, Shintongdan 신통단

isoxaben(F) **아이속사벤**

Benzamide
* N-[3-(1-ethyl-1-methylpropyl) isoxazol-5-yl]-2,6-dimethoxy benzamide (KMAF)
○ 50SC(upland weeds, 밭잡초) Dec.'06(Re) : KN, DHT, SG
Gilssam 길쌈, Catchpul 캐치풀, Bumbine 붐비네

K

karbutilate(H) **카뷰틸레이트**

Urea
* 3-(3,3-dimethyl ureido) phenyl tert-butyl carbamate (KMAF) 3-[[(dimethylamino) carbonyl] aminophenyl](1,1-dimethylethyl)carbamate
○ 80WP(area of uncultivated land weeds, 비농경지잡초) Oct.'82~Oct.'85
Tandex

kasugamycin(F) **가스가마이신**

Antibiotics
* hydrochloride hydrate of [5-amino-2-methyl-6-(2,3,4,5,6-penta hydrocyclohexyloxy)tetra hydropyran-3-yl]amino-α-iminoacetic acid (KMAF)
○ 2.3SL(rice blast, 도열병) Dec.'01(Re) : DB ○ 0.23DP(rice blast, 도열병) Apr.'69 ~ Dec.'01 ○ 10WG(bacterial spot, 세균성점무늬병) Mar.'06 : DB
Kasugamin 가스가민, Megaphon 메가폰

kasugamycin.fenitrothion(IF) **가스가마이신.페니트로티온**

○ 0.115+2DP(rice stemborer & blast, 이화명나방.도열병) Dec.'01(Re) : DB

kasugamycin.neoasozin(F) **가스가마이신.네오아소진**

○ 0.2+0.4DP(rice blast & sheath blight, 도열병.잎집무늬마름병) Apr.'80~Oct.'88
Kasumun

kasugamycin.phosdiphen(F) **가스가마이신.포스디펜**

○ 0.1+2DP(rice blast, 도열병) Jun.'80~Oct.'85
Hokumiron

kasugamycin.phthalide(F) **가스가마이신.프탈라이드**

○ 1.38+20WP(rice blast, 도열병) Dec.'01(Re) : DB ○ 1.38+15SC(rice blast, 도열병) Apr.'04 : DB
Allta 올타, Gardener 가드너

kasugamycin.thiophanate-methyl(F) **가스가마이신.티오파네이트메틸**

○ 4.35+45WP(bacterial spot, 세균성점무늬병) Mar. '06 : DB ○ 4.35+35SC(bacterial spot, 세균성점무늬병) Mar. '06 : DB
Goldenbel 골든벨

kresoxim-methyl(F) **크레속심메틸**

Strobilurin
* methyl(E)-2-methoxyimino-[2-(o-tolyloxymethyl)phenyl]acetate (KRDA)
● 47WG(white rot, 겹무늬썩음병) Jan.'09(Re) : SB ● 42SC(black spot, 검은점무늬병) Dec.'02 : YI
Haebichi 해비치, Stroby 스트로비

kresoxim-methyl.metconazole(F) **크레속심메틸.메트코나졸**

○ 20+10WG(scab, 검은별무늬병) Mar.'08 : DB
Hyesung 혜성

kresoxim-mehtyl.thiophanate-methyl(F) **크레속심메틸.티오파네이트메틸**

○ 10+50WP(white rot, 겹무늬썩음병) Mar. '06 : SB
Knate 크네이트

L

lambda-cyhalothrin(I) **람다사이할로트린**

Pyrethroid
* (*S*)-a-cyano-3-phenoxybenzyl (*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (*R*)-a-cyano-3-phenoxybenzyl (*Z*)-(1*S*,3*S*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxyla (KRDA)
○ 1WP(citrus leafminer, 귤굴나방) Dec.'01(Re) : DHT, SY, YI ○ 1EC(aphids, 진딧물) Dec.'06(Re) : DHT, SY, YI, SG ○ 3EW(leafroller, 잎말이나방) Jan.'04 : SG ● 5WG(apple leafminer, 사과굴나방) Apr.'97 ~ Jan.'07
Jureong 주렁, Barossak바로싹, Cheombyung첨병, Lambdaro 람다로, Chungsari 충사리

lambda-cyhalothrin.phosalone(I) **람다사이할로트린.포살론**

○ 0.5+20EC(aphids & apple leafminer, 진딧물, 사과굴나방) Apr.'93 ~Dec.'06 ○ 0.5+20WP(aphids & apple leafminer, 진딧물.사과굴나방) Apr.'93 ~Dec.'06
Himsen

lambda-cyhalothrin.pirimicarb(I) **람다사이할로트린.피리미카브**

○ 0.5+8WP(aphids, 진딧물) May'88 ~Dec.'06
Yeoksina

lambda-cyhalothrin.piriphos-methyl(I) **람다사이할로트린.피리미포스메틸**

○ 0.5+12.5EC(apple leafminer, 사과굴나방) Dec.'06(Re) YI
Single 싱글

lambda-cyhalothrin.tetradifon(I) **람다사이할로트린.테트라디폰**

○ 1+8EC(acarina & apple leafminer, 응애.사과굴나방) May'88 ~Dec.'06
Target, Killmart

lambda-cyhalothrin.thiamethoxam(I) **람다사이할로트린.티아메톡삼**

○ 1.4+6.7SG(aphids, 논잡초) Apr. '06 : SY
Stonate 스토네트

lambda-cyhalothrin.triadimefon(I) **람다사이할로트린.트리아디메폰**

○ 1+5WP(aphids & rust, 진딧물.붉은별무늬병) Mar.'94 ~Dec.'06
Youngil Halothrin.tidifon

lime sulfur(IF) **결정석회황 합제**

* calcium polysulpfide 전유화태 유황 (KMAF)
○ crystal lime sulfur 36CF(scales, 깍지벌레) Dec.'01(Re) : EB, BY, KS ○ lime sulfur 22CF(over wintering diseases, 월동병해) Dec.'01(Re) : EB, BY
CLS 결정합제, EBM Kyuljeongseokhae 이비엠결정석회, EBM Aengsangseokhae이비엠액상석회, Lime sulfur 유황합제

linuron(H) **리뉴론**

Urea
* 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea (KMAF)
○ 50WP(upland weeds, 밭잡초) Dec.'01(Re) : KN, YI Jan. '04 : BY
Afalon 아파론, Hansari 한사리, Youngil Linuron영일리누론

linuron.pendimethalin(H) **리뉴론.펜디메탈린**

○ 20+20WP(upland weeds, 밭잡초) Dec.'06(Re) : DB ○ 10+15EC(upland weeds, 밭잡초) Dec.'06(Re) : DB ○ 0.7+3GR(paddy field weeds, 논잡초) Mar.'09 : DB
Partner 파트너, Pureman 푸레만

linuron.thiobencarb(H) **리뉴론.티오벤카브**

○ 10+60EC(upland weeds, 밭잡초) Jan.'08(Re) : SB
Asimae 아시매

lufenuron(I) **루페뉴론**

Benzoylurea
* (RS)-1-[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoro propoxy)phenyl]-3-(2,6-difluorobenzoyl)urea (KMAF)
○ 5EC(beet army worm, 파밤나방) Feb.'97 : SY, YI
Pabamtan 파밤탄, Match 매치

M

machine oil(I) **기계유**

machine oil (KMAF)
○ summer machine oil 97EC(acarina, 응애) Jul.'83～Apr.'89 ○ machine oil 95EC(scales,깍지벌레)Dec.'01(Re): KN, DB, DHT, EB, YI, SG, Nov.'02:DF Mar.'04: SM
Samgong machine oil 삼공기계유, Kyungnong machine oil 경농기계유, Dongbu machine oilo동부기계유, Youngil machine oil 영일기계유, EBM machine oil 이비엠기계유, Jungmil machine oil 정밀기계유, SM machine oil 에스엠기계유, Dongbang machine oil 동방기계유

magnesium phosphide(I) **마그네슘포스파이드**

** magnesium phosphide(KRDA)
● 66TB(tobacco beetle, 권연벌레) July '03 : JS ● 56GA[판상훈증제](tobacco beetle, 권연벌레) Mar. '05 : CK
Magphos 마그포스, Magtoxin Humisel 마그톡신휴미셀

malation(I) **말라티온**

Organophosphate
* diethyl(dimethoxy phosphinothioylthio) succinate (KMAF)
○ 50EC(aphids, 진딧물) Jan.'74～Apr.'82 ○ 70EC(pine caterpiller, 솔나방) Mar.'67～ Oct.'90
Malathion

maleic hydrazide(P) **말릭하이드라자이드**

Pyridazine
* 6-hydroxy-3(2H)-pyridazinone potassium salt (KMAF)
○ 21.7SL(growth inhibitor, 생장억제) Dec.'01(Re) : DF, DHT, SY, BY Mar. '04 : SM ○ 30SL(growth inhibitor, 생장억제) Apr.'69～Oct.'84
Aegadan 액아단, Mansun만선, SM Malei 에스엠말레이, Danbi 단비, MH-30

maleic hydrazide(choline salt of)(P) **말릭하이드라자이드콜린염**

Pyridazine
* choline salt of 6-hydroxy-2H-pyridazin-3-one. (KMAF) choline salt of 2-hydro-6-hydroxy-pyridazinone.
○ 39SL(growth inhibitor, 생장억제) Dec.'01(Re) : BY ● 39SL(growth inhibitor, 생장억제) Apr.'01 : BY
Coling 코링, Sunjigi 순지기

mancozeb(F) **만코제브**

Dithiocarbamate
* manganese ethylene bis(dithio carbamate)(polymeric)complex with zinc salt (KMAF) a coordination product of zinc ion and manganese ethylene bis dithio carbamate
○ 75WP(bitter rot, 탄저병) Dec.'01(Re) : KN, DB, DF, DHT, BY, SB, YI, SG Mar.'04 : SM ○ 33SC(downy mildew, 노균병) (Apr.'89 ～Jan.'90) ● 75WG(white rot, 겹무늬썩음병) Dec.'06(Re) : DHT
Dithane M-45 다이센엠-45, Shinkiwon 신기원, Deosen-M 더센-엠, Sungbo Mancozi성보만코지, Youngil Mancozi 영일만코지, Samgong Mancozi 삼공만코지, SM Mancozi 에스엠만코지, Dongbang Mancozi 동방만코지

mancozeb.dinocap(IF) **만코제브.디노캅**

○ 66+4.68WP(acarina & powdery mildew, 응애.흰가루병) Mar.'75～Mar.'90
Dikar

mancozeb.metalaxyl(F) **만코제브.메탈락실**

○ 56+7.5WP(crown rot, 역병) Dec.'01(Re) : KN, DF, SB, YI, Mar. '04 : SM
Ridomil MG 리도밀엠지, Ridodithane 리도다이센, Ridodadasen 리도다다센

mancozeb.metalaxyl-M(F) **만코제브.메탈락실엠**

○ 64+4WP(late blight, 역병) Dec. '00 : SY
Ridomilgold MZ 리도밀골드엠지

mancozeb.myclobutanil(F) **만코제브.마이클로뷰타닐**

○ 65+2WP(rust & alternaria leaf spot, 붉은병무늬병.점무늬낙엽병) Mar.'88 : KN
Systhane-M 시스텐엠

mancozeb.nuarimol(F) **만코제브.뉴아리몰**

○ 60+1WP(bitter rot,탄저병) Dec.'06(Re) : KN
BXR 비엑스알

mancozeb.oxadixyl(F) **만코제브.옥사딕실**

○ 56+8WP(phytophthora rot, 역병) Dec.'01(Re) : DHT
Good care 굳케어

mancozeb.zoxamid(F) **만코제브.족사마이드**

○ 60+8WP(late blight, 역병) Dec. '00 : DHT
Gavel 가벨

mandipropamid(F) **만디프로파미드**

2-(4-chlorophenyl)-N-[3-methoxy-4-(prop-2-ynyloxy)phenethyl]-2-(prop-2-ynyloxy)acetamide(IUPAC)
● 21.8SC(late blight, 역병) Oct. '06
Revus 래버스

maneb(F) **마네브**

Dithiocarbamate
* manganese ethylenebis(dithio carbamate)(polymeric) (KMAF) polymeric manganese ethyene bis(dithio carbamate)
○ 75WP(downy mildew, 노균병) Apr.'69～Jan.'90
Manzate, Dithane M-22

MCPA(H) **엠시피에이**

Phenoxycarboxylic acid
* 4-chloro-O-tolyloxy acetic acid (KMAF)
○ 19.5SL(sodium salt로서)(paddy field weeds, 논잡초) Dec.'84～Mar.'91 ○ 50SL(turf weeds, 잔디잡초) Mar.'09 : KN
Mamuri, Agroxone, Agritox, Farmguard 팜가드

MCPB(H) **엠시피비**

Phenoxycarboxylic acid
* 4-(4-chloro-O-tolyloxy) butyric acid (KMAF)
Tropoton

MCPB.molinate.simetryn(H) **엠시피비.몰리네이트.시메트린**

○ 8+1.5+0.8GR(paddy field weeds, 논잡초) Apr.'85 ~ Dec.'01
Pulanna, Nonclean

MCPB.nitrofen.quinoclamine(H) **엠시피비.니트로펜.퀴노클라민**

○ 0.6+5+5GR(paddy field weeds, 논잡초) Sep.'77~Dec.'82

mecarbam(I) **메카밤**

Organophosphate
* S-(N-ethoxy carbonyl-N-methyl carbamoyl methyl) O,O-diethyl phosphorodithioate (KMAF)
○ 25EC(scales, 깍지벌레) Jul.'82 ~ Dec.'01
Murfox

mecoprop(H) **메코프로프**

Phenoxycarboxylic acid
* (RS)-2-(4-chloro-O-tolyloxy) propinic acid (KMAF)
○ 50SL(upland weeds, 밭잡초) Dec.'01(Re) : YI
Iso-Cornox, Youngil MCPP 영일엠시피피

mecoprop-P(H) **메코프로프피**

Phenoxycarboxylic acid
* (*R*)-2-(4-chloro-*o*-tolyloxy)propionic acid (KRDA)
○ 47.4 SL(paddy field weeds, 논잡초) Sep. '05 : DHT
Cho byeong 초병

medi(F) **메디**

nickel dimethyl dithiocarbamate (KMAF)
○ 65WP(leaf blight, 흰잎마름병) Jan.'76~Mar.'94 ○ 6DP(leaf blight, 흰잎마름병) Jul.'80~Oct.'86
Sankel

mefenacet(H) **메페나셋**

Oxyacetamide
* 2-(1,3-benzothiazol-2-yloxy)-N-methyl acetanilide (KMAF)
○ 4GR(paddy field weeds, 논잡초) Jul.'88 : DF
Rancho 란초

mefenacet.penoxulam(H) **메페나셋.페녹슐람**

○ 21+0.5SC(paddy field weeds, 논잡초) Oct. '06 : SG
Albuja 알부자

mefenacet.pyrazolate(H) **메페나셋.피라졸레이트**

○ 3+4GR(paddy field weeds, 논잡초) Oct.'90 ~Dec.'06

mefenacet.pyrazosulfuron-ethyl(H) **메페나셋.피라조설퓨론에틸**

○ 3.5+0.07GR(paddy field weeds, 논잡초) Mar.'94 : YI, Apr.'00 : DF Feb. '01: SG, DHT ○ 0.21+10.5FG(paddy field weeds, 논잡초) Mar.'96 ~ Dec.'06
Mannyang 만냥, Hansuwei, Ilggun일꾼, Misung Pureopse 미성풀업세, Munonmae 무논매

mefenacet.pyrazosulfuron-e.thiobencarb(H) **메페나셋.피라조설퓨론에틸.티오벤카브**

○ 1+0.07+5GR(paddy field weeds, 논잡초) Sep. '05 : SG
Pulout 풀아웃

mepanipyrim(F) **메파니피림**

Oxyacetamide
* N-(4-methyl-6-prop-1-ynylpyrimidin-2-yl)aniline (KRDA)
○ 40SC(gray mold, 잿빛곰팡이병) Jan.'08(Re) : KN ○ 50WP(gray mold, 잿빛곰팡이병) Jan.'09(Re) : KN
Pangpare 팡파르

mepanipyrim.myclobutanil(F) **메파니피림.마이클로뷰타닐**

○ 10+1.5SC(powdery mildew, 흰가루병) Apr. '01 : KN
Tamsron 탐스론

mepiquat chloride(P) **메피콧클로라이드**

* 1,1-dimethyl piperidinium chloride (KMAF)
● 44SL(berry setting improver, 착립증진) Apr.'94 : KN Feb. '04 : BY
Flastar 후라스타, Aricha 아리차 Nawang 나왕

mepronil(F) **메프로닐**

Carboxamide
* 3'-isopropoxy-O-toluanilide (KMAF)
○ 3DP(sheath blight, 잎집무늬마름병) Dec.'01(Re) : KN ○ 75WP(brown patch, 갈색잎마름병) Apr.'93 : KN
Nonsa 논사

mepronil.propiconazole(F) **메프로닐.프로피코나졸**

○ 50+4WP(large patch & brown patch, 라이족토니아마름명.갈색잎마름병) Feb.'97 : KN
Nulpulun 늘푸른

meptyldinocap(F) **멥틸디노캅**

* (RS)-2-(1-methylheptyl)-4,6-dinitrophenyl crotonate (IUPAC)

mesotrione(H) **메소트리온**

Triketone
* 2-(4-mesyl-2-nitrobenzoyl)cyclohexane-1,3-dione(KRDA)
● 38SC(upland weeds,밭잡초) Mar. '07 : SY
Callisto 칼리스토

mesotrione.pretilachlor(H) **메소트리온.프레틸라클로르**

○ 0.6+4WP(paddy field weeds, 논잡초) Oct. '06 : SY
Dajungto 다정토

metaflumizone(I) **메타플루미존**

Semicarbazone
(EZ)-2′-[2-(4-cyanophenyl)-1-(α,α,α-trifluoro-m-tolyl)ethylidene]-4-(trifluoromethoxy) carbanilohydrazide(IUPAC)
● 20SC(diamond-back moth, 배추좀나방) Mar.'08 : BASF, May.'08 : FMT
Alverde 앨버드

metalaxyl(F) **메탈락실**

Acylalanine
* methyl N-(2-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate (KMAF)
○ 25WP(downy mildew, 노균병) Dec.'01(Re) : KN, DF, EB, SB, YI, SG Mar. '04 : SM ○ 5GR(rice seedling blight, 벼잘록병) Dec.'83～Mar.'91 ○ 2GR(crown rot, 역병) Jan.'91 : KN, DF, SY, EB, SB, YI, SG Mar. '04 : SM
Domino, Ridomil 리도밀, EBM Metasyl 이비엠메타실, Samgong Metasyl 삼공메타실, Sae Metasyl 새메타실, FMT Metasyl 에프엠티메타실

metalaxyl.tebuconazole(F) **메탈락실.테부코나졸**

○ 2+2GR(large patch, 라이족토니아마름병) Jun.'99 ~ Jan.'09 : DHT

metalaxyl-M(F) **메탈락실-엠**

Acylalanine
*(R)-2- [(2,6-Dimethylphenyl)-methoxyacetylamino] -propionic acid methyl ester (≥91%) and (S)-2-[(2,6-Dimethylphenyl)-methoxyacetylamino] -propionic acid methyl ester (≤4%)(KRDA)
○ 48EC(root rot, 생강뿌리썩음병) Aug. '01 : SY ○ 1GR(black shank, 담배역병) Mar. '02 : SY Nov.'02: KN, SB, DF ● 43SL(black shank, 담배역병) Mar. '05 : SY ○ 12WP(black shank, 담배역병) Jun. '06 : SB
Ridomil Gold 리도밀골드

metaldehyde(I) **메트알데하이드**

* r-2,C-4,C-6,C-8-tetramethyl-1,3,5,7-tetroxocane (KMAF)
● 6GR(snail, 달팽이) Dec.'06(Re) : YI
Nametox 나메톡스

metam-sodium(I) **메탐소듐**

* sodium N-methyldithiocarbamate (KRDA)
● 25SL(nematoda, 선충) Jan.'09(Re) : BY
Kilper 킬퍼

metamifop **메타미포프**

*(R)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy]-2′-fluoro-N-methylpropionanilide(IUPAC)
○9ME(paddy field weeds, 논잡초) Mar.'09 : DF ○10EC(paddy field weeds, 논잡초) Mar.'09 : DHT ○ 3.3EC(paddy field weeds, 논잡초) Mar.'09 : DHT
Pizaba 피자바, Greenson 그린손, Pyzero 피제로

metamifop.pyrazosulfuron-ethyl(H) **메타미포프.피라조설퓨론에틸**

○ 0.67+0.07GR(paddy field weeds, 논잡초) Mar.'09 : DF
Sokkong 속공

metconazole(F) **메트코나졸**

Triazole
* (1RS, 5RS;1RS, 5SR)-5-(4-chlorobenzyl)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl) cyclopentanol (KRDA)
○ 20SC(ash leaf spot, 갈색무늬병) Apr. '01 : DB ○ 20WG(White rot, 흑색썩음균핵병) Mar.'09 : DB ○ 0.75GR(White rot, 흑색썩음균핵병)Mar.'09 : DB
Salimkkun 살림꾼, Sepia 세피아, Jyunhaktan 균핵탄

metconazole.thiophanate-methyl(F) **메트코나졸.티오파네이트메틸**

○ 6+50WG(scab, 검은별무늬병) Mar.'09 : DB
Daemong 대몽

methabenzthiazuron(H) **메타벤즈티아주론**

Urea
* 1-benzothiazol-2-yl-1,3-dimethyl urea (KMAF) 1-(benzothiazol-2-yl)-1,3-dimethyl urea
○ 70WP(upland weeds, 밭잡초) Dec.'01(Re) : BY, YI
Tribunil 트리부닐

methabenzthiazuron.prometryn(H) **메타벤즈티아주론.프로메트린**

○ 35+15WP(upland weeds, 밭잡초) Apr.'91 ~Dec.'06
Pulmori

methamidophos(I) **메타미도포스**

Organophosphate
* O,S-dimethyl phosphoramidothioate (KMAF)
○ 40SL(common cabbage worm, 배추흰나비) Dec.'01(Re) : DHT Jan. '04 : BY
Ilbungi 일번지

methidathion(I) **메티다티온**

Organophosphate
* S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O,O-dimethyl phosphoro dithioate (KMAF)
○ 40EC(scales,깍지벌레) Dec.'01(Re) : KN, DF, SY, BY, YI, SG Mar. '04 : BY ○ 36WP(scales, 깍지벌레) Jan.'77~Apr.'82
Supracide 수프라사이드, Myungkung 명궁, Youngil Methion 영일메치온, Methicide 메치사이드, SM Methion 에스엠메치온

methiocarb(I) **메티오카브**

Carbamate
* 4-methylthio-3,5-xylyl methylcarbamate (KMAF)
● 2GR(snail,달팽이) Jul.'92 ~Dec.'06 ● 1.6GR(snail, 달팽이) Sep. '05 : DHT Jan. '06 : BY
Mesurol 메수롤

methomyl(I) **메토밀**

Carbamate
* S-methyl N-(methyl carbamoyloxy) thioacetimidate (KMAF)
○ 1.5DP(soil insects, 토양해충) Mar.'75～Dec.'84 ○ 45WP(tobacco budworm, 담배나방) Dec.'01(Re) : KN, DB, EB, SB, YI Jan. '04 : BY ○ 24.1SL(aphids, 진딧물) Dec.'01(Re) : KN, DB, DF, DHT, EB, BY, SB, YI, SG Mar.'04: SM
Lannate 란네이트, Samgong methomyl 삼공메소밀, Dongbu methomyl동부메소밀, Sungbo Methomyl 성보메소밀, Youngil methomyl 영일메소밀, EBM Methomyl이비엠메소밀, Jungmil Methomyl 정밀메소밀, Mesoran 메소란, Dongbang methomyl 동방메소밀

methoxyfenozide(I) **메톡시페노자이드**

Diacylhydrazine
* N-tert-butyl-N'-(3-methoxy-o-toluoyl)-3,5-xylohydrazide (KRDA)
○ 21SC(grass leaf roller, 혹명나방) Jan.'09(Re) : DHT ○ 4WP(rice stemborer, 이화명나방) Dec. '00 : KN
Runner 런너, Falcon 팔콘

methoxyfenozide.spinetoram(I) **메톡시페노자이드.스피네토람**

○ 6+4 SC(diamond-back moth, 배추좀나방) Mar.'09 : KN
Jewang 제왕

methoxyfenozide.spinosad(I) **메톡시페노자이드.스피노사드**

○ 10+5SC(beet armyworm, 파밤나방) Mar. '06 : DB
Agrotop 아그로톱

methyl anthranilate(O) **메틸안트라닐레이트**

* 2-aminobenzoic acid methyl ester (KMAF)
● 40OL(wild bird repellent, 새기피제) (Dec.'96)

methyl bromide(I) **메틸브로마이드**

* bromomethane (KMAF)
● 98.5GA(storage insects, 저곡해충) Dec.'01(Re) : YI, MG, AT
Youngil MB 영일엠비, Magan MB 마간엠비

metiram(F) **메티람**

Dithiocarbamate
* zinc ammoniate ethylenebis(dithiocarbamate)-poly(ethylene thiuram disulfide) (KMAF)
● 55WG(bitter rot, 탄저병) Jan.'98 : SB, SG
Sun-up 썬업

metobromuron(H) **메토브로뮤론**

Urea
* 3-(4-bromophenyl)-1-methoxy-1-methylurea (KMAF)

metobromuron.metolachlor(H) **메토브로뮤론.메톨라클로르**

○ 25+25EC(upland weeds, 밭잡초) Apr.'99～Jan.'02
Galex

metolachlor(H) **메톨라클로르**

Chloroacetamide
* 2-chloro-6′-ethyl-N-(2-methoxy-1-methylethyl) acet-O-toluidide (KMAF)
○ 40EC(upland weeds, 밭잡초) Dec.'06(Re) : DHT, SY ○ 4GR(upland weeds, 밭잡초) Dec.'06(Re) : DHT, SY, YI ○ 0.3PF(upland weeds, 밭잡초) Apr.'99 ~Dec.'06
SeAl 세알, Jangkun 장군

metolachlor.pendimethalin(H) **메톨라클로르.펜디메탈린**

○ 20+20EC(upland weeds, 밭잡초) Dec.'06(Re) : YI ○ 3+ 3GR(upland weeds, 밭잡초) Dec.'06(Re) : YI
Duce 듀스

metolachlor.prometryn(H) **메톨라클로르.프로메트린**

○ 24+16EC(upland weeds, 밭잡초) Apr.'99 ~Dec.'01 ○ 2+ 1GR(upland weeds, 밭잡초) Apr.'99 ~Dec.'06
Codal

metolcarb(I) **메톨카브**

* m-tolyl methyl carbamate (KMAF)
○ 50WP(plant hopper, 멸구) Apr.'80 ~ Oct.'86 ○ 2DP(plant hopper, 멸구) Oct.'83 ~ Dec.'01

metolcarb.pyridaphenthion(I) **메톨카브.피리다펜티온**

○ 1.5+2DP(plant hopper, 멸구) Dec.'76 ~ Dec.'01
Ofunack M

metominostrobin(F) **메토미노스트로빈**

* (E)-2-methoxyimino-N-methyl-2-(2-phenoxyphenyl)acetamide (KRDA)
○ 6GR(rice blast, 도열병) Mar.'99 ~ Jan.'09 : YI
Oriblight 오리브라이트

metrafenone(F) **메트라페논**

Benzophenone
3′-bromo-2,3,4,6′-tetramethoxy-2′,6-dimethylbenzophenone(IUPAC)
● 24.4SC(powdery mildew, 흰가루병) Mar.'08 : BASF, Apr.'08 : DHT
Vivando 비반도

metribuzin(H) **메트리뷰진**

Triazinone
* 4-amino-6-tert-butyl-4,5-dihydro-3-methylthio-1,2,4-triazin-5-one (KMAF)
○ 35WP(upland weeds, 밭잡초) Dec.'01(Re) : DF, DHT, BY
Sencor 센코

milbemectin(I) **밀베멕틴**

* (10E,14E,16E,22Z)-(1R, 4S, 5′S,6R,6′R,8R,13R,20R,21R,24S)-21,24-dihydroxy-5′,6′,11,13,22-pentamethyl-3,7,19-trioxatertacyclo[15,6,1,$1^{4,8}$,$0^{20,24}$]pentacosa-10,14,16,22-tetraene-6-spiro-2′-tetrahydrophyran-2-one and (10E,14E,16E,22Z)-(1R, 4S, 5′S,6R,6′R,8R,13R,20R,21R,24S)-6-ethyl-21,24-dithdroxy-5′,11,13,22-tetramethyl-3,7,19-trioxatetracyclo[15,6,1,$1^{4,8}$,$0^{20,28}$] pentacosa-10,14,16,22-tetraene-6-spiro-2′-tetrahydropyran-2-one (KMAF)
● 1EC(acarina, 응애) Jan. '04(Re) : BY Dec.'98 : SMM ● 2WP(citrus red mite, 귤응애) Mar.'00, Jan. '04 : BY ● 2EC(fine wilt, 재선충) Mar.' 08 : DHT
Milbeknock 밀베노크, Solvaccine 솔백신, Podongtan 포동탄, Topmectin 탑멕틴

MNFA(I) **엠엔에프에이**

* N-methyl-N-(1-naphthyl)fluoroacetamide (KMAF)

molinate(H) **몰리네이트**

Thiocarbamate
* S-ethyl-perhydroazepine -1- thiocarboxylate (KMAF) S-ethyl-N,N-hexamethylene thio carbamate
Ordram

molinate.pendimethalin(H) **몰리네이트.펜디메탈린**

○ 21+24EC(paddy field weeds, 논잡초) Mar.'96 ~ Dec.'06
Fulldown

molinate.pretilachlor.pyrazosulfuron-ethyl(H) **몰리네이트.프레틸라클로르.피라조설퓨론에틸**

○ 5+1+0.07GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : YI
Shinmyeongna 신명나

molinate.propanil(H) **몰리네이트.프로파닐**

○ 35+20EC(paddy field weeds, 논잡초) Mar.'94 ~ Jan. '02
Momanna

molinate.pyrazosulfuron-ethyl(H) **몰리네이트.피라조설퓨론에틸**

○ 5+0.07GR(paddy field weeds, 논잡초) May'90 : DF, EB, BY, SG Mar. '04 : SM
Nonanmae 노난매, Daejabo 대자보, Newsonnori 뉴손노리, Heungbunon 흥부논

molinate.pyrazosulfuron-ethyl.simetryn(H) **몰리네이트.피라조설퓨론에틸.시메트린**

○ 5+0.07+0.3GR(paddy field weeds, 논잡초) Feb.'97 : BY
Misung supermae 미성슈퍼매

molinate.simetryn(H) **몰리네이트.시메트린**

○ 5+1.2GR(paddy field weeds, 논잡초) Jun.'76 ~ Dec.'01
Mamet, Mamet-P

monacrosporium thaumasium KBC 3017(I) **모나크로스포리움 타우마슘케이비시 3017**

Biopesticide
** *monacrosporium thaumasium* KBC*3017* (KRDA)
○1.0x10^4cfu/g XX(1.0x10^4cfu/g) Dec' 07 :HB
Tanggumi 땅거미

monocrotophos(I) **모노크로토포스**

Organophosphate
* dimethyl(E)-1-methyl-2-methyl carbamoyl vinyl phosphate (KMAF)
○ 24SL(aphids, 진딧물) Dec.'01(Re) : KN, DB, DHT, BY, SB, YI, SG Mar. '04 : BY ○ 5GR(grass leaf roller, 혹명나방) Dec.'01(Re) : DB
Azodrin 아조드린, Samgong monopho 삼공모노포, Dokmudae 독무대, KyungnongMonopho 경농모노포, Misung Monopho미성모노포, SungboMonopho 성보모노포, Youngil Monopho 영일모노포 SM Monopho에스엠모노포

moranteltatrate(I) **모란텔타트레이트**

* Trans-1,4,5,6-tetrahydro-1-methyl-2-[2-(3-methyl-2-thienyl)vinyl]- pyrimidine-tartrate(KRDA)
● 8SL(fine wilt, 재선충) Oct. '05 : PK
Greenguard 그린가드

myclobutanil(F) **마이클로뷰타닐**

Triazole
* 2-p-chlorophenyl-2-(1H-1,2,4-triazol-1-ylmethyl) hexanenitrile (KMAF)
○ 6WP(white rot, 겹무늬썩음병) Apr.'87 : KN
Systhane 시스텐

N

naproanilide(H) **나프로아닐라이드**

* 2-(2-naphthoxy) prorionanilide (KMAF) α-(2-naphthoxy) prorion anilide
Uribest

naproanilide.pretilachlor(H) **나프로아닐라이드.프레틸라클로르**

○ 7+2GR(paddy field weeds, 논잡초) Apr.'84～Mar.'95
Pulzabi

naproanilide.thiobencarb(H) **나프로아닐라이드.티오벤카브**

○ 7+7GR(paddy field weeds, 논잡초) Jan.'83 ～ Dec. '01
Granock

napropamide(H) **나프로파마이드**

Acetamide
* (RS)-N,N-diethyl-2-(1-naphthyloxy) propionamide (KMAF)
○ 50 WP(upland weeds, 밭잡초) Dec.'01(Re) : DHT, SY, EB, YI Mar.'04:SM Nov.'04: KN ○ 21.8EC(upland weeds, 밭잡초) Dec.'01(Re) : EB Jan. '04 : BY ○ 10 GR(orchard weeds, 과원잡초) Jun.'85～May'90 ● 49.5WG(orchard weeds, 과원잡초) May. '05 : KB Jun. '05 : KN ● 30SC(upland weeds, 밭잡초) Mar. '06 : DB ○ 2.5GR(orchard weeds, 과원잡초) Mar. '07 ～ Jun.'08 ○ 5GR(upland weeds, 밭잡초) Mar.'09 : KN
Youngil phamid 영일파미드, Dongbu Phamid 동부파미드, EBM Pulsite 이비엠풀사이트, Phaminol 파미놀, Devrinol Gold 데브리놀골드, New devrinol 뉴데브리놀, Devrinolplus 데브리놀플러스, Superdevrinol 슈퍼데브리놀, Powerinol 파워리놀

napropamide.oxyfluorfen(H) **나프로파마이드.옥시플루오르펜**

○ 30+12WP(turf weeds, 잔디잡초) Oct. '06 : KN
Fureme 푸르메

napropamide.pendimethalin(H) **나프로파마이드.펜디메탈린**

○ 20+20EC(paddy field weeds, 논잡초) Mar.'96 ~ Dec.'06 ○ 1+2FG(upland weeds, 밭잡초) Mar.'99 ~ Jan.'09 : SY ○ 2.5+2.5(upland weeds, 밭잡초) Oct.'07 : SM
Saedle, Madangseoi 마당쇠, Blackcho 블랙초

needs(O) **니즈**

Polynaphthyl methane sulfonic acid dialkyldimethyl ammonium. Polyoxyethylene fatty acid ester(KRDA)
● 18+44ME(spreader, 전착제) Nov. '00 : YI
Youngil Needs 영일니즈

neoasozin(F) **네오아소진**

* (ammonium) salt of ferric methyl arsonic acid (KMAF)
○ 6.5SL(sheath blight, 잎집무늬마름병) Dec.'01(Re) : KN, DB, BY, SB ○ 0.4DP(sheath blight, 잎집무늬마름병) Mar.'76 ~ Dec.'01 ○ 4PA(canker, 부란병) Mar.'00 : EB
Neoasozin 네오아소진, Blanjaba 부란자바, Kyungnong Neozin 경농네오진, Dongbang Neoasozin 동방네오아소진

neoasozin.tricyclazole(F) **네오아소진.트리사이클라졸**

○ 4.3+37.5WP(rice blast & sheath blight, 도열병.잎집무늬마름병) Mar.'86 ~ Dec.'01
Mundomyul

nicosulfuron(H) **니코설퓨론**

Sulfonylurea
* 2-(4,6-dimethoxypyrimidin-2-yl carbamoylsulfamoyl)-N,N-dimethylnicotinamide (KRDA)
● 4SC(upland weeds, 밭잡초) Apr. '01 : SG
Onehope 원호프

nitralin(H) **니트랄린**

* 4-methyl sulphonyl-2, 6-dinitro-N, N-dipropylaniline (KMAF)
○ 50WP(upland weeds, 밭잡초) Oct.'82 ~ Dec.'01
Planavin

nitrofen(H) **니트로펜**

* 2, 4-dichlorophenyl-4-nitro phenyl ether (KMAF)
○ 7GR(paddy field weeds, 논잡초) Jan.'70~Apr.'82 ○ 50WP(upland weeds, 밭잡초) Jan.'71~Apr.'82
Hi-Tok, Tok

nonyl phenol sulfonic acid copper(F) **노닐페놀설폰산구리(유기폰)**

nonyl phenol sulfonic acid copper (KMAF)
○ 40WP(elsinoe scab, 더뎅이병) Dec.'01(Re) : SG
Yonepon 요네폰

novaluron(I) **노발루론**

Benzoylurea
*(±)-1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl-3-(2,6-difluorobenzoyl)urea
○ 10SC(apple leafminer, 사과굴나방) Jan.'04 : MG, SG
Lymon 라이몬

nuarimol(F) **뉴아리몰**

Pyrimidine
* (±)-2-chloro-4′-fluoro-α-(pyrimidin-5-yl) benzhydryl alcohol (KMAF)
○ 9EC(scab, 검은별무늬병) Dec.'06(Re) : KN ○ 6WP(rust, 붉은별무늬병) Apr.'93 ~Dec.'06
BXK 비엑스케이

nuarimol.oxine-copper(F) **뉴아리몰.옥신코퍼**

○ 1.5+68.5WP(rust, 붉은별무늬병) Apr.'93 ~ Dec.'06
Paharam-Dong

O

ofurace(F) **오퓨레이스**

Phenylamide
* (±)-α-(2-chloro-N-2, 6-xylylacetamido)-τ-butyrolactone (KRDA)

ofurace.propamocarb hydrochloride(F) **오퓨레이스.프로파모카브하이드로클로라이드**

○ 6+18WP(phytophthora rot, 역병) Jan.'08(Re) : BY
Suhosin 수호신

ometoate(I) **오메토에이트**

Organophosphate
* O,O-dimethyl-S-methyl carbamoyl methyl phosphoro thioate (KMAF)
○ 50SL(citrus leafminer, 귤굴나방) Dec.'01(Re) : DF, DHT Mar. '06 : 아리스타
Folimat 호리마트, Shinmugi 신무기

OPPEE(O) **오피피이이**

octyl phenoxy polyethoxy ethanol (KMAF)
Triton(X-114)

orthosulfamuron(H) **오르토설파뮤론**

Sulfonylurea
1-(4,6-dimethoxypyrimidin-2yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl]urea(IURAC)

orthosulfamuron.pretilachlor(H) **오르토설파뮤론.프레틸라클로르**

○ 1.2GR(paddy field weeds, 논잡초) Oct,' 08 : DF
Puljanggun 풀장군

orysastrobin **오리사스트로빈**

(2E)-2-(methoxyimino)-2-{2-[(3E,5E,6E)-5-(methoxyimino)-4,6-dimethyl-2,8-dioxa-3,7-diazanona-3,6-dien-1-yl]phenyl}-N-methylacetamide(IUPAC)

orysastrobin.chlorantraniliprole(IF) **오리사스트로빈.클로란트라닐리프롤**

○ 30+10ST(leaf blast, 잎도열병) Mar.'09 : YI
Youngilonetouch 영일원터치

orysastrobin.clothianidin(IF) **오리사스트로빈.클로티아니딘**

○ 3.5+0.5GR(rice blast & rice water weevil 잎도열병, 벼물바구미) Mar.'08 : SB
Hansone 한소네

orysastrobin.thiamethoxam(IF) **오리사스트로빈.티아메톡삼**

○ 3.5+1GR(rice blast, 잎도열병) Mar.'08 : DHT
Kombine 콤비네

oryzalin(H) **오리잘린**

Dinitroaniline
* 3,5-dinitro-N',N'-dipropylsulfanilamide (KMAF)
○ 40SC(orchard weeds, 과원잡초) Dec.'06(Re) : DHT, SG
Surflan 써프란

oxadiargyl(H) **옥사디아길**

Oxadiazole
* 5-*tert*-butyl-3-[2,4-dichloro-5-(prop-2-ynyloxy)phenyl]-1,3,4-oxadiazol-2(3*H*)-one(KRDA)
○1.7EC(paddy field weeds, 논잡초) Oct. '06 : BY ●34.5 SE(paddy field weeds, 논잡초) Sep. '08 : BY
Topstar 톱스타, Fenax 훼낙스

oxadiazon(H) **옥사디아존**

Oxadiazole
* 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one (KMAF) 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2-one
○ 12EC(paddy field weeds, 논잡초) Dec.'01(Re) : KN, DHT, SG Jan. '04 : BY ○ 25EC(upland weeds, 밭잡초) Oct.'90 ~Dec.'06
Ronstar 론스타, Homidan 호미단

oxadiazon.pendimethalin(H) **옥사디아존.펜디메탈린**

○ 4+15EC(upland weeds, 밭잡초) Dec.'06(Re) : DF
Haedogi 해도지

oxadixyl(F) **옥사딕실**

* 2-methoxy-N-(2-oxo-1,3-oxazolidin-3-yl)-acet-2',6'-xylidide (KMAF)

oxadixyl.propineb(F) **옥사딕실.프로피네브**

○ 8+56WP(downy mildew, 노균병) Dec.'06(Re) : DHT
Good care plus 굳케어플러스

oxaziclomefone(H) **옥사지클로메폰**

Oxazinone
3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one(KRDA)
● 30SC(upland weeds, 밭잡초) Mar '02 : AL
Haesom Jandykeeper 해솜 잔디키퍼

oxaziclomefone.penoxsulam(H) **옥사지클로메폰.페녹술람**

○ 0.2+0.08GR(paddy field weeds, 논잡초) Sep.'08 : YI
Youngilnongsamo 영일농사모

oxaziclomefone.pyrazosulfuron-ethyl(H) **옥사지클로메폰.피라조설퓨론에틸**

○ 0.2+0.07GR(paddy field weeds, 논잡초) Dec.'01 : YI ● 12.5+5.25WG(paddy field weeds, 논잡초) Dec.'01 : YI
Danpan 단판, Ganpyonae 간펴내

oxine-copper(F) **옥신코퍼**

* cupric 8-quinolinoxide(KMAF), bis(8-quinolinolato) copper
○ 50WP(alternaria leaf spot, 점무늬낙엽병) Dec.'01(Re) : KN, DF, DHT, EB, YI, SB Mar'04 : SM ● 5PA(canker, 부란병) Apr.'97 ~ Feb. '02
Dongbu Oxydong 동부옥시동, Jungmil Oxydong 정밀옥시동, Kyungnong Oxydong 경농옥시동, Sungbo Oxydong 성보옥시동, Youngil Oxydong 영일옥시동, EBM Oakdongyee 이비엠옥동이, Sae Oxydong 새옥시동

oxine-copper.polyoxin B(I) **옥신코퍼.폴리옥신비**

○ 45+5WP(alternaria leaf spot, 점무늬낙엽병) Dec.'01(Re) : DF, DHT
Jungmil Polydong 정밀포리동, Deoburer 더부러

oxolinic acid(F) **옥솔린산**

Carboxylic acid
* 5-ethyl-5,8-dihydro-8-oxo[1,3]dioxolo[4,5-g]quinoline-7-carboxylic acid (KMAF)
○ 20WP(bacterial soft rot, 무름병) Dec.'06(Re) : DB
Ilpum 일품

oxycarboxin(F) **옥시카복신**

Carboxamide
* 2,3-dihyro-6-methyl-5-phenyl carbamoyl-1,4-oxathin 4,4-dioxide (KMAF)
○ 75WP(chrysanthemum rust, 백녹병) Dec.'01(Re) : DB
Plantvax 프란트박스

oxyfluofenfen(H) **옥시플루오르펜**

Diphenyl ether
* 2-chloro-α,α,α-trifluoro-p-tolyl 3-ethoxy-4-nitrophenyl ether (KMAF)
○ 23.5EC(orchard weeds, 과원잡초) Dec.'01(Re): KN, DB, SG
Goal 고올, Nogojiri 노고지리, Kokbuter 꼭부터 Pureman

oxytetracycline(F) **옥시테트라사이클린**

* (4S,4aR,5S,5aR,6S,12aS)-4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexa hydroxy-6-methyl-1,11-dioxonaphthacene-2-carboxamide-dimethy 4-dimethylamino-(KMAF) 1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-2-naphthalene carboxamide(dodecyltrimethyl ammonium chloride)
● 17WP(witchestbroom, 빗자루병) Mar.'03 : SB
Sungbocycline 성보싸이클린

oxytetracyclin.streptomycin(sulfur salt)(F) **옥시테트라사이클린.스트렙토마이신황산염**

● 1.5+18.8WP(fusarium rot, 궤양병) Dec.'06(Re) : SB
Agrimycin 아그리마이신

P

paecilomyces fumosoroseus DBB 2032(I) **패실로마이세스퓨모소로세우스디비비 2032**

Biopesticide
○ 5×10^{7}cfu/g WP(greenhouse whitefly, 온실가루이) Oct. '06 : DHT
Bangsiri 방시리

paenibacillus polymyxa AC-1(F) **페니바실루스폴리믹사에이시-1**

Biopesticide
** *paenibacillus polymyxa* AC-1(KRDA)
○ 5×10^{6}cfu/ml SC (powdery mildew, 흰가루병) Mar. '03: GB
Topcide 탑시드

paraffin(O) **파라핀**

● 24EW(spreader, 전착효과) Nov. '00 : DF
Gikuno 기꾸노

paraffinic oil(I) **파라핀오일**

* paraffinic oil (KMAF)
● 98EC(acarina, 응애) Feb.'97 : KN, Mar.'07 : SK ○ 98EC(citrus red mite, 귤응애) Apr.'01 : SY Jul. '03 : KN
Sunspray Ultra-fine 썬스프레이 울트라-파인, DC tron 디씨트론, Himina 히미나, Enspray 엔스프레이

paraform aldehyde(P) **파라폼알데하이드**

* paraform aldehyde (KMAF)
○ 50GE(anti-sclerosis medicine for silkworm, 누에경화) Apr.'69～Apr.'82 ○ 3DP(anti-sclerosis medicine for silkworm, 누에경화) Apr.'69～Apr.'82
Neo-PPS, Papzol

paraquat dichloride(H) **패러콰디클로라이드**

Bispyridylium
* 1,1′-dimethyl-4,4′-bipyridyldiylium dichloride (KMAF)
○ 23.1(24.5W/V%)SL(orchard weeds,과원잡초) Dec.'01(Re) : KN, DB, DHT, SB, SG, SY, YI ○ 24.5SL(orchard weeds,과원잡초) Mar. '04 : BY, DF, DU, SM
Gramoxone 그라목손, Sogsapo속사포, Woori Paraco 우리파라코, Gramoxone Inteon그라목손인티온

parathion-ethyl(I) **파라티온에틸**

Organophosphate
* O,O-diethyl O-4-nitrophenyl phosphoro thioate (KMAF)
○ 47EC(leaf roller, 잎말이나방) Jul. '69～May '93 ○ 5GR(rice leaf beetle, 벼잎벌레) Dec.'01(Re) : CI ○ 17EC(leaf roller, 잎말이나방) May'90～May '08
Cheil Parathion Gold 제일파라치온골드

PCP-Cu salt(F) **피시피구리염**

* pentachlorophenol copper salt (KMAF)
○ 50WP(canker, 부란병) Jun.'84～ Dec.'96
Aruton

pelargonic acid(H) **펠라르곤산**

● 53EC(orchard weeds, 과원잡초) Mar.'08 : SG
Saity 싸이티

penconazole(F) **펜코나졸**

Triazole
* 1-(2,4-dichloro-β-propylphenethyl)-1H-1,2,4-triazole (KMAF)
○ 5WP(scab, 검은별무늬병) Apr.'99 ~ Dec.'06
Cleantown 크린타운

pencycuron(F) **펜사이큐론**

Phenylurea
* 1-(4-chlorobenzyl)-1-cyclopentyl-3-phenylurea (KMAF)
○ 1.5DP(sheath blight, 잎집무늬마름병) May'84~May'90 ○ 25WP(sheath blight, 잎집무늬마름병) Dec.'01(Re) :KN, DB, DF, DHT, EB, BY, SB, YI ○ 20SC(sheath blight, 잎집무늬마름병) Dec.'01(Re) : KN, DF, DHT, EB, BY ● 50WG(large patch, 라이족토니아마름병) Mar.' 08 : BY
New tremper, Dongbang Pencycuron, Mungobaksa, Monceren 몬세렌, Galmuri 갈무리, Nishot 나이샷, Cleanmoon 크린문, Sungbo Pencycuron 성보펜시쿠론, EBM Moonsari, Cerenturf 세렌터프, Mungokart 문고카트, Nongpro 농프로, Killer-Moon 킬러문

pencycuron.isoprocarb(IF) **펜사이큐론.아이소프로카브**

○ 12.5+30WP(plant hopper and sheath blight, 멸구. 잎집무늬마름병) Dec.'01(Re) : DHT
Madida 마디다

pencycuron.tebuconazole(F) **펜사이큐론.테부코나졸**

○ 15+10SC(large patch, 라이족토니아마름병) Feb.'97 : DHT ○ 20+ 4SC(sheath blight, 잎집무늬마름병) Mar.'03 : BY
Turfshiva 터프시바, Ultari 울타리

pencycuron.thifluzamide(F) **펜사이큐론.티플루자마이드**

○ 6+1EC(sheath blight, 잎집무늬마름병) Mar. '06 : KN
Younggne 영그네

pencycuron.tricyclazole(F) **펜사이큐론.트리사이클라졸**

○ 12.5+20WP(rice blast & sheath blight, 도열병.잎집무늬마름병) Oct.'90 ~Dec.'06
Amureo 아무러

pendimethalin(H) **펜디메탈린**

Dinitroaniline
* N-(1-ethylpropyl)-2,6-dinitro-3-4-xylidine (KMAF)
○ 31.7EC(upland weeds, 밭잡초) Dec.'01(Re) : KN, DB, DF, DHT, SB, YI, SG, SH Mar.'04 : SM ○ 3 EC(growth inhibitor, 액아억제) Mar. '06 : DF ○ 3 EW(growth inhibitor, 액아억제) Mar. '06 : DHT ○ 5 GR(upland weeds, 밭잡초) Dec.'01(Re) : DHT, SB, YI, SG ○ 50 WP(upland weeds, 밭잡초) Feb.'88 ~Dec.'06 ○ 2 FG(upland weeds, 밭잡초) Apr.'89 ~Dec.'06 ● 45SC(upland weeds, 밭잡초) Jan.'09(Re) : YI, BASF ● 60WG(upland weeds, 밭잡초) Mar.'99 ~ Jan, '03 ● 35.7CS(upland weeds, 밭잡초) Feb. '06 : FMT ● 57WG(upland weeds, 밭잡초) Nov.' 00 : BASF, Jan.' 04 : GNS
Bangpung, Stomp 스톰프, Shaft 샤프트, Pentagon 펜타곤, Deadline데드라인, Jungmil Pendi 정밀펜디, Seohan Pendi 서한펜디, Batepul 바테풀, Proall 프로올, Aekmagi 액마기

pendimethalin.propanil(H) **펜디메탈린.프로파닐**

○ 25+25EC(paddy fields weeds, 논잡초) Apr.'94 : DB, SG
Gilzabi 길자비, Satbyul샛별

pendimethalin.pyribenzoxim(H) **펜디메탈린.피리벤족심**

○ 25+0.5EC(paddy field weeds, 논잡초) Feb.'98 ~ Jan.'08
Gilzabi Gold 길자비골드

penoxulam(H) **페녹술람**

Triazolopyrimidine
*2-(2,2-difluoroethoxy -N-(5,8-dimethoxy [1,2,4]triazolo[1,5-c] pyrimidin-2-yl)- 6 - (trifluoromethyl) benzene sulfonamide (KRDA)
○ 3SC(paddy field weeds, 논잡초) Oct. '04: KN, SG ○ 0.12GR(paddy field weeds, 논잡초) Oct. '04: DB, DHT ○ 0.6SC(paddy field weeds, 논잡초) Sep. '05 : KN ○ 0.08GR(paddy field weeds, 논잡초) Sep. '05 : KN, DHT
Salchodaechub 살초대첩, Salchodaechub-M 살초대첩엠, Salchodaechub-S 살초대첩에스

penoxsulam.pretilachlor(H) **페녹술람.프레틸라클로르**

○ 0.04+1GR(paddy field weeds, 논잡초) Sep. '05 : DHT
Seungjeongo 승전고

penoxsulam.pyrazosulfuron-e(H) **페녹술람.피라조설퓨론에틸**

○ 0.08+0.03GR(paddy field weeds, 논잡초) Sep. '05 : DF, DHT ○ 0.08+0.05GR(paddy field weeds, 논잡초) Sep. '05 : SG ○ 8+3WG(paddy field weeds, 논잡초) Oct. '06 : DF
Pulsanyang 풀사냥, Puljeonsa 풀전사, Nontagek 논타겟

penoxsulam.thiobencarb(H) **페녹술람.티오벤카브**

○ 0.08+7GR(paddy field weeds, 논잡초) Sep. '05 : SG
Jabanae 자바내

pentoxazone(H) **펜톡사존**

Oxazolidinedione
* 3-(4-chloro-5-cyclopentyloxy-2-fluorophenyl)-5-isopropylidene-1,3-oxazolidine-2,4-dione (KRDA)
○ 5SC(paddy field weeds, 논잡초) Jul.'09(Re) : KN ○ 0.8GR(paddy field weeds, 논잡초) Mar.'00 : KN ○ 6EC(paddy field weeds, 논잡초) Nov.'00 : DHT
Mirimae 미리매, Chosari 초사리

pentoxazone.pyrazosulfuron-ethyl(H) **펜톡사존.피라조설퓨론에틸**

○ 0.8+0.07GR(paddy field weeds, 논잡초) Dec.'99 ~ Jan.'09 : YI
Mansuwi 만수위

perfluidone(H) **퍼플루이돈**

* 1,1,1-trifluoro-N-(4-phenyl sulphonyl-O-tolyl) methane sulphonamide (KMAF) 1,1,1-trifluoro-N-(2-methyl-4-(phenyl sulfonyl) phenyl) methane sulfonamide
○ 5GR(paddy field weeds, 논잡초) Dec.'01(Re) : YI
Destun 데스탄

phenamidine(I) **페나미딘**

N-(2-methyl-4-chlorophenyl) N,N-dimethyl formamidine (KMAF)
○ 3GR(rice stemborer, 이화명나방) Feb.'72～Feb.'81
Sanggamma-S

phenazin oxide(F) **페나진옥사이드**

phenazine 5-oxide (KMAF)
○ 10WP(leaf blight, 흰잎마름병) Dec.'01(Re) : KN, YI
Kyungnong Phenazin경농훼나진, Youngil Phenazin영일훼나진

phenthoate(I) **펜토에이트**

Organophosphate
* S-α-ethoxycarbonyl benzyl O,O-dimethyl phosphorodithioate (KMAF)
○ 47.5EC(rice stemborer, 이화명나방) Dec.'01(Re) : KN, DHT, BY, YI, SG, SH ○ 40 WP(leafroller, 잎말이나방) Jan.'75 ~ Dec.'01 ○ 2 DP(leaf hopper, 매미충)Jun.'76～Apr.'82 ○ 2 DP(chestnut curculio, 밤바구미) Dec.'01(Re) : BY, SG
Elsan엘산, Cidial씨디알, Dongbu PAP 동부파프, KyungnongPAP경농파프, SeohanPAP 서한파프, Youngil PAP 영일파프

phorate(I) **포레이트**

Organophosphate
* O,O-diethyl S-ethylthiomethyl phosphorodithioate (KMAF)
○ 5GR(soil insects, 토양해충) Apr.'91 : KN, DB, YI, SG
Thimet 싸이메트, JJanga짱가, Allkwang 올광

phorate.terbufos(I) **포레이트.터부포스**

○ 2+2.5GR(onion maggot, 고자리파리) Mar.'08 : SG
Togitan 토지탄

phosalone(I) **포살론**

Organophosphate
* S-6-chloro-2,3-dihydro-2-oxobenzoxazol-3-ylmethyl O,O-diethyl phosphoorodithioate(KMAF)
Zolone

phosdiphen(F) **포스디펜**

* bis(2,4-dichlorophenyl) ethyl phosphate (KMAF)

phosmet(I) **포스멧**

Organophosphate
* O,O-dimethyl S-phthalimidomethyl phosphorothioate (KMAF)
○ 50WP(leafroller, 잎말이나방) Feb.'71 ~ Dec.'01 ○ 3DP(common cabbage worm, 배추흰나비) Nov. '77 ~ Dec.'01
Imidan

phosphamidon(I) **포스파미돈**

Organophosphate
* 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate (KMAF)
○ 50SL(aphids, 진딧물) Dec.'01(Re) : KN, DHT, YI, SG Apr. '04 : SM
Damur 다무르, DongbuPhospham 동부포스팜, Youngil Phospham 영일포스팜, Samgong Phospham 삼공포스팜, SM Phospham 에스엠포스팜

phoxim(I) **폭심**

Organophosphate
* O,O-diethyl-α-cyanobenzylidene amino-oxyphosphonothioate (KMAF)
○ 3DP(soil insects, 토양해충) Dec.'01(Re) : DHT ○ 2GR(soil insects, 토양해충) Dec.'01(Re) : BY, YI
Volaton 보라톤

phthalide(F) **프탈라이드**

Isobenzofuranone
* 4,5,6,7-tetrachloro phthalide (KMAF)
○ 2.5DP(rice blast, 도열병) Nov.'77 ~ Dec.'01 ○ 50WP(rice blast, 도열병) Dec.'01(Re) : YI ○ 20SC(rice blast, 도열병) Dec.'01(Re) : KN, DB, Mar.'00 : SG Nov.'04 : YI
Obuja 오부자, Tangle 탱글, Zonzon 존존, Jihwaja 지화자

phthalide.cartap hydrochloride(IF) **프탈라이드.카탑하이드로클로라이드**

○ 2+2.5DP(rice stemborer & blast, 이화명나방.도열병) Apr.'80~Oct.'93
Padanrabcide

phthalide.tricyclazole(F) **프탈라이드.트리사이클라졸**

○ 25+8WP(rice blast, 도열병) Jan.'08(Re) : YI ○ 20+10SC(rice blast) Sep. '05 : YI
Youngil power 영일파워, Manpoong 만풍

phthalide.validamycin-A(F) **프탈라이드.발리다마이신에이**

○ 20+5SC(rice blast & sheath blight, 도열병.잎집무늬마름병) Nov.'04: YI
Moojinjang 무진장

picloram-potassium(I) **피클로람포타슘**

Pyridinecarboxylic acid
* 4-amimo-3,5,6-trichloropyridine-2-carboxylic acid (KMAF) potassium-4-amino-3,5,6-trichloropyridine-2-carboxylate
○ 6㎎/EA(forest weeds,산림잡초) Aug.'80～Jan.'90
K-pin, Tordon-K

piperophos(I) **피페로포스**

Organophosphate
* S-2-methyl piperidinocarbonyl methyl O,O-dipropyl phosphorodithioate (KMAF)
Rilof

piperophos.propanil(H) **피페로포스.프로파닐**

○ 24+25EC(paddy field weeds, 논잡초) Apr.'98 ～ Jan.'08
Captin

piperophos.pyrazoxyfen(H) **피페로포스.피라족시펜**

○ 3+6GR(paddy field weeds, 논잡초) Dec.'01(Re) : KN
Baromae 바로매

pirimicarb(I) **피리미카브**

Carbamate
* 2-dimethyl amino-5,6-dimethyl pyrimidin-4-yl dimethyl carbamate (KMAF)
○ 25WP(aphids, 진딧물) Dec.'01(Re) : DHT ○ 50WP(aphids, 진딧물) Nov.'74～Feb.'81 ● 0.1AE(aphids, 진딧물) May'84 ～ Dec.'01
Gilmok 길목

pirimiphos-ethyl(I) **피리미포스에틸**

Organophosphate
* O-2-diethylamino-6-methyl pyrimidin-4-yl-O,O-diethyl phosphorothioate (KMAF)
○ 5GR(soil insects, 토양해충) Jul.'84 ～ Dec.'01
Primicid

pirimiphos-methyl(I) **피리미포스메틸**

Organophosphate
* O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate (KMAF)
○ 25EC(leaf roller, 잎말이나방) Dec.'01(Re) : YI
Actellic 아테릭

pirimiphos-methyl.pyridaben(I) **피리미포스메틸.피리다벤**

○ 25+10WP(acarina, 응애) Feb.'98 ～ Jan.'08
Kibaran

pirimiphos-methyl.tetradifon(I) **피리미포스메틸.테트라디폰**

○ 25+8EC(acarina, 응애) Apr.'91～Dec.'06
Hamseong

Polyether modified polysiloxane(O) **폴리에테르폴리실록세인**

● 99SL(spreader, 전착제) Mar.'09 : AL
Dagachi 다가치

polyoxin B(F) **폴리옥신비**

Antibiotics
* 5-(2-amino-O-carbamoyl-2-deoxy-L-xylonamido)-1,5-dideoxy-1-(1,2,3,4-tetrahydro-5-hydroxymethyl-2-4-dioxopyrimidin-1-yl)-β-D-allofuranuronic acid (KMAF)
○ 10WP(alternaria leaf spot, 점무늬낙엽병) Feb.'71 : DHT ● 50SP(gray mold, 잿빛곰팡이병) Nov.'89 : DHT
Deomani 더마니

polyoxin D(F) **폴리옥신디**

Antibiotics
* 5-(2-amino-5-O-carbamoyl-2-deoxy-L-xylonamido)-1-(5-carboxy-1,2,3,4-tetrahydro-2,4-dioxopyrimidin-1-yl)-1,5-dideoxy-β-D-allofuranuronic acid zinc salt (KMAF)
○ 0.68 PA(canker, 부란병) Dec.'01(Re) : DHT ○ 2.25 WP(sheath blight, 잎집무늬마름병) Dec.'01(Re) : YI ○ 0.23 DP(sheath blight, 잎집무늬마름병)Dec.'01(Re) : YI ● 0.55 AE(canker, 부란병)Dec.'01(Re) : YI ○ 5 WG(Black rot, Gummy stem rot, 덩굴마름병) Apr. '06 : KN
Kakengel 가겐겔, Youngil Bio 영일바이오, Furan Cut 부란카트, pururun 푸르른

polyoxin D.thiophanate-methyl(F) **폴리옥신디.티오파네이트메틸**

○ 1.13+40WP(canker, 부란병) Dec.'01(Re) : YI
Boram 보람

polyoxin D.thiram(F) **폴리옥신디.티람**

● 1.13+30WP(brown patch, 갈색잎마름병) May '88 ~ 'Feb. 02

polyoxy ethylene alkylaryl ether PEAAE(O) **피이에이에이이**

polyoxy ethylene alkylaryl ether (KMAF)

polyoxy ethylene alkylaryl ether.sodium ligno sulfonate(O) **전착제**

polyoxy ethylene alkylaryl ether+sodium ligno sulfonate (KMAF)
○ 10+20SL(spreader, 전착제) Dec.'01(Re) : KN, DB, DHT, SY, BY, YI, SG Jul. '04 : SM Jan, '06 : SB
Samgong spreader 삼공전착제, Kyungnong Spreader경농전착제, Dongbu Spreader동부전착제, Youngil Spreader영일전착제, Barogen 바로겐, SM Spreader 에스엠전착제, Sungbo spreader성보전착제, Dongbang spreader 동방전착제, Darnae 다르내

pretilachlor(H) **프레틸라클로르**

Chloroacetamide
* 2-chloro-2',6'diethyl-N-(2-propoxyethyl) acetanilide (KMAF)
○ 2GR(paddy field weeds, 논잡초) Dec.'01(Re) : DF, SY, EB, YI ○ 14EC(paddy field weeds, 논잡초) Apr.'92 : DF, SY ○ 37EW(paddy field weeds, 논잡초) Mar.'02 : SY
Solnet 솔네트, Solnet-M 솔네트-엠, Youngil Preti 영일프레티, Solnet300 솔네트300, Elriyan엘리얀, EBM Okey 이비엠오케이

pretilachlor.pyrazolate(H) **프레틸라클로르.피라졸레이트**

○ 1.5+6GR(paddy field weeds, 논잡초) Feb.'97 : DHT
New Pumasi 뉴푸마시

pretilachlor.pyrazosulfuron-ethyl(H) **프레틸라클로르.피라조설퓨론에틸**

○ 1+0.06GR(paddy field weeds, 논잡초) Apr.'93～ Dec.'06
Pumhana

pretilachlor.pyrazosulfuron-ethyl.pyriminobac-methyl(H) **프레틸라클로르.피라조설퓨론에틸.피리미노박메틸**

○ 1.8+0.21+0.3GR(paddy field weeds, 논잡초) Mar.'99 ~ Jan.'09 : SB ○ 1.0+0.07+0.1GR(paddy field weeds, 논잡초) Mar.'02 : SB
Hwimori 휘모리

pretilachlor.pyrazosulfuron-ethyl.simetryn **프레틸라클로르.피라조설퓨론에틸.시메트린**

○ 1+0.07+0.3 GR(paddy field weeds, 논잡초) Sep.'08 : DB
Dulpanae 들파내

pretilachlor.pyrazoxyfen(H) **프레틸라클로르.피라족시펜**

○ 6+1GR(paddy field weeds, 논잡초) Jun.'90 ～ Dec.'01

pretilachlor.simetryn(H) **프레틸라클로르.시메트린**

○ 14+2.5EC(paddy field weeds, 논잡초) Jan.'08(Re) : DHT
Doumggun 도움꾼

probenazole(F) **프로베나졸**

Benzoisothiazole
* 3-allyloxy-1,2-benzisothiazole 1, 1-dioxide (KMAF)
○ 6GR(rice blast, 도열병) Dec.'01(Re) : KN, DB, DF, DHT, SY, BY, SG, YI
Oryza오리자, Deozon더존, Beeondy 비온디, Poongshim 풍심, Kyungnong Benasol경농베나솔, Shigeumsuk시금석, Samgong Benasol삼공베나솔

probenazole.carbofuran(IF) **프로베나졸.카보퓨란**

○ 6+3GR(plant hopper & blast, 멸구.도열병) Dec.'01(Re) : KN, BY
Orydan 오리단, Dubero 두베로

probenazole.carbosulfan.(IF) **프로베나졸.카보설판**

○ 3.6+3.5GR(rice water weevil & rice blast, 벼물바구미.도열병) Jan.'09(Re) : DHT
New-Myungcombi 뉴명콤비

probenazole.clothianidin(IF) **프로베나졸.클로티아니딘**

○ 3.6+0.5 GR(leaf blast, rice water weevil, 잎도열병, 벼물바구미) Mar.'03 : SG , Sep.'08 : DHT
Two top 투톱, Longshot 롱샷

probenazole.imidacloprid(IF) **프로베나졸.이미다클로프리드**

○ 3+2.5GR(rice blast & rice water weevil, 도열병.벼물바구미) Dec.'06(Re) : DHT
Bobaedan 보배단

probenazole.thiacloprid(IF) **프로베나졸.티아클로프리드**

○ 3.6+1GR(rice water weevil, rice blast, 벼물바구미, 도열병) Mar. '02.: BY
Sangjatan 상자탄

probenazole.thiamethoxam(F) **프로베나졸.티아메톡삼**

○ 3.5+1GR(rice blast, 잎도열병) Mar. '06 : DHT
Deobleking 더블킹

probenazole.thifluzamide.carbosulfan(IF) **프로베나졸.티플루자마이드.카보설판**

○ 3.6+3.0+3.5GR(leaf blast, sheath blight, rice water weevil) Nov. '00. DHT
Haeorum 해오름

probenazole.tricyclazole(F) **프로베나졸.트리사이클라졸**

○ 2+3GR(rice blast, 잎도열병) Oct. '06 : YI
Dolbomi 돌보미

prochloraz(F) **프로클로라즈**

Imidazole
* N-propyl-N-(2-(2,4,6-trichlorophenoxy) ethyl) imidazole-1-carboxamide (KMAF)
○ 25EC(rice seed disinfectant, 벼종자소독) Dec.'01(Re) : KN, DF, SG Jan.'04 BY Nov.'04:YI ○ 25WP(black rot, 덩굴마름병) Feb.'98 ~ Jan.'08 ○ 2ME(dry rot, 마른썩음병) Mar.' 08 : SG
Sportak 스포탁, Mangotan 만고탄, Samgong sportak 삼공스포탁, Youngil byupssiwang 영일볍씨왕, Jungmil Proraz정밀프로라츠, Nanchoae 난초애

prochloraz-copper chloride complex(F) **프로클로라즈코퍼클로라이드**

Imidazole
*Dichlorotetrakis([*N*-propyl-*N*-[2-(2,4,6-trichlorophenoxy)ethyl]-1*H*-imidazole-1-carboxamide]copper(II)(RDA)
○ 20FS(rice seed disinfectant, 벼종자소독) Oct.'02 : SG
Sportak-gold 스포탁-골드

prochloraz manganese complex(F) **프로클로라즈망가니즈**

Imidazole
* tetra cis-(1-(N-propyl-N-(2-(2,4,6-trichlorophenoxy)ethyl)) carbamoyl imidazole) manganese(II) chloride complex (KMAF)
○ 50WP(micogone, 마이코곤병) Jul.'92 : SG, Jan. '04 BY ○ 50WG(bitter rot, 탄저병) Mar.' 08 : SG
Sporgon 스포르곤, Kumsang 금상

prochloraz-Manganese.imidacloprid(IF) **프로클로라즈망가니즈.이미다클로프리드**

○ 1.5+21WS(seed disinfectant, rice water weevil, 종자소독, 벼물바구미) Apr. '01 : BY
Jongjatan 종자탄

prochloraz.propoxur (IF) **프로클로라즈.프로폭서**

○ 6.25+8WP(rice seed disinfectant, 벼종자소독) (May'88~Mar.'91)

prochloraz-manganese complex.tebuconazole(F) **프로클로라즈망가니즈.테부코나졸**

○ 25+15WP(brown leaf spot, 갈색무늬병) Mar. '07 : SG
Sacheonwang 사천왕

prochloraz.tebuconazole(F) **프로클로라즈.테부코나졸**

● 25+12.5EC(bitter rot, 탄저병) Oct' 07 : MG
Duazole 두아졸

procymidone(F) **프로사이미돈**

Dicarboximide
* N-(3,5-dichlorophenyl)-1,2-dimethyl cyclopropane-1,2-dicarboximide (KMAF)
○ 50WP(gray mold, 잿빛곰팡이병) Dec.'01(Re) : KN, DB, DF, EB, BY, YI Mar.'04: SM ○ 25GP(gray mold, 잿빛곰팡이병) Apr.'87 : KN, DB, EB, BY ○ 30FW(gray mold, 잿빛곰팡이병) Apr.'91 : KN, DB, EB, BY, YI, SG
Sumilex 스미렉스, Neodosa너도사, Pangitan팡이탄, AventisPropa아벤티스프로파, Youngil Propa영일프로파, EBM okay 이비엠오케이, Pangzabi 팡자비, Seraco Propa 쎄라코프로파

procymidone.diethofencarb(F) **프로사이미돈.디에토펜카브**

○ 37.5+12.5WP(gray mold, 잿빛곰팡이병) Dec'06(Re) : DB ○ 18+12FW(gray mold, 잿빛곰팡이병) Dec'06(Re) : DB
Imperial 임페리얼

procymidone.dimethomorph(F) **프로사이미돈.디메토모르프**

○ 45+20WP(gray mold & downy mildew, 잿빛곰팡이병.노균병) Dec.'06(Re) : DB
Eunbit 은빛

procymidone.mancozeb(F) **프로사이미돈.만코제브**

○ 15+50WP(bitter rot, 탄저병) Dec.'01(Re) : DB
Dilex 다이렉스

prodiamine(I) **프로디아민**

* 5-dipropylamine -α,α,α-trifluoro-4,6-dinitro-O-toluidine (KMAF)
● 63WG(upland weeds, 밭잡초) Dec.'06(Re) : SY, SB
Amyung, Hanmok 한목, Mareumsae 마름새,

profenofos(I) **프로페노포스**

Organophosphate
* O-4-bromo-2-chloropenyl O-ethyl S-propyl phosphorothioate (KMAF)
○ 43EC(aphids, 진딧물) Dec.'01(Re) : KN
Selecron 세레크론

profoxydim(H) **프로폭시딤**

2-[1-{2-(4-chlorophenoxy)propoxyimino}butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyram-3-yl) cyclohex-2-enone(KRDA)
● 7.1EC(paddy field weeds, 논잡초) Apr.'01 : SG
Tetris 테트리스

prohexadione-calcium(P) **프로헥사디온칼슘**

○ 20SC(growth inhibitor, 생장억제) Mar.'08 : KN
Bibipul 비비풀

prohydrojasmon(P) **프로하이드로자스몬**

* Propyl(1*RS*,2*SR*)-(3-oxo-2-pentyl-cyclopentyl)acetate containing 10±2% propyl (1*RS*,2*RS*) - (3-oxo-2-pentyl-cyclopentyl)acetate(KRDA)

prometryn(H) **프로메트린**

Triazine
∗ N^2,N^4-di-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine (KMAF) 2,4-bis(isopropylamino)-6-methylthio-1,3,5-triazine
○ 50WP(upland weeds, 밭잡초) Jun.'81 ~ Dec.'01
Prometrex

propamocarb hydrochloride(F) **프로파모카브하이드로클로라이드**

Carbamate
∗ propyl 3-(dimethylamino) propyl carbamate monohydrochloride (KMAF)
○ 66.5SL(phytophthora rot, 역병) Dec.'01(Re) : DB, Jan. '04 : BY
Pri-N 프리-엔

propanil(H) **프로파닐**

Anilide
∗ 3',4'-dichloro propionanilide (KMAF)
○ 35EC(paddy field weeds, 논잡초) Dec.'01(Re) : DB, SY, SG
StamF-34 스탬에프-34, SamgongPronil 삼공푸로닐

propanil.thiobencarb(H) **프로파닐.티오벤카브**

○ 20+35EC(paddy field weeds, 논잡초) Mar.'94~Jan.'02
Satunil

propaphos(I) **프로파포스**

∗ 4-(methyl thiophenyl dipropyl phosphate (KMAF)
○ 50EC(rice stemborer, 이화명나방) Dec.'77~ Feb.'81 ○ 5GR(leaf hopper, 매미충) Jun.'84 ~ May'90
Kayaphos

propaquizafop(H) **푸로파퀴자포프**

Aryloxyphenoxypropionate
∗ 2-isopropylideneamino-oxyethyl (R)-2[4-(6-chloroquinozalin-2-yloxy)phenoxy propionate(KMAF)
○ 10EC(upland weeds, 밭잡초) Dec.'01(Re) : SY, YI
Agil 아질

propargite(I) **프로파자이트**

∗ 2-(4-tert-butylphenoxy) cyclohexyl prop-2-ynyl sulphite (KMAF)
○ 30WP(acarina, 응애) Dec.'01(Re) : DB, SY ● 30WG(acarina, 응애) Dec.'01(Re) : DB
Omite 오마이트, Jokjibgae 족집게

propargite.tetradifon(I) **프로파자이트.테트라디폰**

○ 36+6WP(acarina, 응애)Dec.'01(Re) : DB
Hanberne 한버네

propiconazole(F) **프로피코나졸**

Triazole
∗ (±)-1-[2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole (KMAF)
○ 25EC(powdery mildew, 흰가루병) Jun.'99 ~ Jun. 09 : KN, Mar.'03: SY
Banner 배너

propiconazole.tricyclazole(F) **프로피코나졸.트리사이클라졸**

○ 10+32SE(sheath blight, 잎집무늬마름병) Mar.'05 : SY
Filia 필리아

propineb(F) **프로피네브**

Dithiocarbamate
* polymeric zine propylenebis(dithio carbamate) (KMAF)
○ 70WP(bitter rot, 탄저병) Dec.'01(Re) : DB, DF, DHT, BY, SB, YI ● 67WG(anthracnose, 탄저병) Apr. '06 : DF, DHT
Antracol 안트라콜, Youngil Propi 영일프로피, Antracolgold 안트라콜골드, Rideowang 리더왕, Dongbang Propi 동방프로피

propisochlor(H) **프로피소클로르**

Chloroacetanilide
* 2-chloro-6′-ethyl-N-isopropoxymethylaceto-o-toluidide (KRDA)
○ 74.2EC(upland weeds, 밭잡초) Jan.'09(Re) : KN
Pulpro 풀프로

propoxur(I) **프로폭서**

Carbamate
* 2-isopropoxyphenyl methylcarbamate (KMAF)
○ 3GR(plant hopper, 멸구) Aug.'84～May'90
Unden

prothiofos(I) **프로티오포스**

Organophosphate
* O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate (KMAF)
○ 40WP(leaf miner, 심식나방) Dec.'01(Re) : DF, DHT, Mar. '06 : 아리스타 ○ 50EC(diamond-back moth, 배추좀나방) Dec.'01(Re) : DF, DHT Mar, '06 : 아리스타
Tokuthion 토쿠치온, Yogyukki 요격기

pymetrozine(I) **피메트로진**

* (E)-4,5-dihydro-6-methyl-4-(3-pyridylmethyleneamino)-1,2,4-triazin-3(2H)-one (KMAF)
○ 3GR(aphids, 진딧물) Jan.'97 ～Jan.'07 ○ 25WP(aphids, 진딧물) Jan.'08(Re) : YI, Jul.'08(Re) : SY
Chess 체스

pyraclofos(I) **피라클로포스**

Organophosphate
* (RS)-[O-1-(4-chlorophenyl) pyrazol-4-yl O-ethyl S-propyl phosphorothioate] (KMAF)
○ 35WP(tabacco budworm, 담배나방) Jul.'92 : KN, DB
Starex 스타렉스

pyraclostrobin(F) **피라클로스트로빈**

Methoxycarbamate
* Methyl *N*-(2-{[1-(4-chlorophenyl)-1*H*-pyrazole-3-yl]oxymethyl}phenyl)N-methoxy carbamate(RDA)
● 22EC(scab, 더뎅이병) Dec. '02: SG ● 18.8WG(large patch, 라이족토니아마름병) Jan.'04 : YI
Cabrio 카브리오, Cabrio A 카브리오에이

pyraflufen-ethyl(H) **피라플루펜에틸**

Phenylpyrazole
Ethyl-2-chloro-5-(4-chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxyacetate(KRDA)

pyrazolate(H) **피라졸레이트**

Pyrazole
* 4-(2,4-dichlorobenzoyl)-1,3-dimethyl pyrazol-5-yl-4-toluenesulphonate (KMAF) 4-(2,4-dichlorobenzoyl)-1,3-dimethyl pyrazol-5-yl-p-toluenesulphosate
○ 10GR(paddy field weeds, 논잡초) Jun.'90～Mar.'91 ○ 36SC(paddy field weeds, 논잡초) Sep.'08 : DHT
Bujanon, Sanbird, Chamilkun 참일꾼

pyrazolate.pyrazosulfuron-ethyl.simetryn(H) **피라졸레이트.피라조설퓨론에틸.시메트린**

○ 3+0.05+0.7 GR(paddy field weeds, 논잡초) Mar.'03 : DHT, DF
GikPaTan 직파탄

Pyrazolate.Thiobencarb(H) **피라졸레이트.티오벤카브**

○ 6+7GR(paddy field weeds, 논잡초) Mar.'09 : DB
Chatra 차트라

pyrazophos(F) **피라조포스**

Phosphorothiolate
* O-6-ethoxycarbonyl-5-methyl pyrazolo(1,5-a) pyrimidin-2-yl-O,O-diethylphosphorothioate(KMAF)
○ 30EC(powdery mildew, 흰가루병) Feb.'00 ～ Feb. '02
Afugan 아푸칸

pyrazosulfuron-ethyl(H) **피라조설퓨론에틸**

Sulfonylurea
* ethyl 5-(4,6-dimethoxypyrimidin-2-yl carbamoyl sulfamoyl)-1-methyl pyrazole-4-carboxylate (KMAF)
● 5WP(upland weeds, 밭잡초) Dec.'01(Re) : SG ○ 5WG(turf weeds, 잔디잡초) Nov.'03 : DHT, DF ○ 0.1GR(paddy field weeds, 논잡초) Apr.'04 : DF, DHT, SG
Green-Q그린-큐, Golf green 골프그린, Greenkipper그린키퍼, Teukkongdae 특공대, Sirius 시리우스

pyrazosulfuron-ethyl.pyriftalid(H) **피라조설퓨론에틸.피리프탈리드**

○ 0.07+0.6GR(paddy field weeds, 논잡초) Mar. '02 : SY
Apiro Max 아피로맥스

pyrazosulfuron-ethyl.pyriminobac-methyl(H) **피라조설퓨론에틸.피리미노박메틸**

○ 0.07+0.1GR(paddy field weeds, 논잡초) Jan.'09(Re) : SB ● 7+10WG(paddy field weeds, 논잡초) Apr.'00 : SB ● 0.84+1.2GR(paddy field weeds, 논찹초) Sep. '05 :SB ○0.84+1.2GR(paddy field weeds, 논잡초) Mar.'09 : SB
Naenonae 내노내, Pongdangpongdang퐁당퐁당

pyrazosulfuron-ethyl.quinclorac(H) **피라조설퓨론에틸.퀸클로락**

○ 0.07+1GR(paddy field weeds, 논잡초) May'90 ～Dec.'06
Domata

pyrazosulfuron-ethyl.thenylchlor(H) **피라조설퓨론에틸.테닐클로르**

○ 0.07+0.7GR(paddy field weeds, 논잡초) Feb.'97 ~ Jan.'07
Fumansa

pyrazosulfuron-ethyl.thiobencarb(H) **피라조설퓨론에틸.티오벤카브**

○ 0.07+5GR(paddy field weeds, 논잡초) May'90~Mar.'96 ○ 0.07+7GR(paddy field weeds, 논잡초) Mar.'96 : SB
Super Eunani 슈퍼유나니

pyrazoxyfen(H) **피라족시펜**

Pyrazole
* 2-[4-(2,4-dichlorobenzoyl)1,3-dimethylpyrazol-5-yloxy]acetophenone (KMAF) 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-phenacyloxy pyrazole

pyrazoxyfen.thiobencarb(H) **피라족시펜.티오벤카브**

○ 6+5GR(paddy field weeds, 논잡초) Apr.'93 ~ Dec.'06
Bobaenon

pyribenzoxim(H) **피리벤족심**

Pyrimidinyloxybenzoic
benzophenone O-[2,6-bis[(4,6-dimethoxy-2-pyrimidyl)oxy]benzoyl]oxine (KRDA)
○ 1EC(paddy field weeds, 논잡초) Feb.'97, Oct. '05 : DHT ○ 3EC(paddy field weeds, 논잡초) Oct. '04 : YI
Pyanchor 피안커, Cleanshot 크린샷

pyributicarb(H) **피리뷰티카브**

Thiocarbamate
* O-3-tert-butylphenyl 6-methoxy-2-pyridyl(methyl) thiocarbamate (KMAF)
○ 47WP(upland weeds, 밭잡초) Dec.'01(Re) : DHT
Turfgreen 터프그린

pyridaben(I) **피리다벤**

Pyridazinone
* 2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one (KMAF)
○ 20WP(acarina, 응애) Dec.'01(Re) : SG ○ 20SC(green house whitefly, 온실가루이) Nov.'00 : SG
Sanmaru 산마루, Kummaec금맥

pyridalyl(I) **피리달릴**

*2,6-dichloro-4-(3,3-dichloroallyloxy)phenyl-3-[5-(trifluoromethyl)-2-pyridyloxy]propyl ether(KRDA)
○ 10 EW(beet army worm 파밤나방) Apr.'04 : DB
Pleo 프레오

pyridaphenthion(I) **피리다펜티온**

Organophosphate
* O-(1,6-dihydro-6-oxo-1-phenylpyridazin-3-yl) O,O-diethyl phosphorothioate(KMAF) O,O-diethyl-O-(3-oxo-2-phenyl-2H-pyridazine-6-yl) phosphorothioate
○ 30EC(grass leaf roller, 혹명나방) Dec.'01(Re) : DB, DF, DHT ○ 50WP(peach fruit moth, 심식나방) Dec.'01(Re) : DB
Ofunack 오후나크, Goodsheri 굿세리, Dolpagu 돌파구

pyriftalid(H) **피리프탈리드**

Pyrimidinyloxybenzoic
7-(4,6-Dimethoxy-pyrimidin-2-ylsufanyl)-3-methyl-3H-isobenzofuran-1-one (KRDA)

pyrimethanil(F) **피리메타닐**

Anilinopyrimidine
* N-(4, 6-dimethylpyrimidin-2-yl)aniline (KRDA)
○ 30WP(alternaria leaf spot, 점무늬낙엽병) Jan.'08(Re) : BY ○ 37SC(gray mold, 잿빛곰팡이병) Jan.'08(Re) : BY
Scala 스칼라, Mitos 미토스

pyrimidifen(I) **피리미디펜**

Phenoxyethylamine
* 5-chloro-N-{2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl}-6-ethylpyrimidin-4-amine (KRDA)
○ 4SC(citrus red mite, 귤응애) Mar.'00 : DHT
Hwanhosung 환호성

pyriminobac-methyl(H) **피리미노박메틸**

Pyrimidinyloxybenzoic
* methyl 2-(4,6-dimethoxy-2-pyrimidinyloxy)-6-(1-methoxyiminoethyl)benzoate (KRDA)

pyriproxyfen(I) **피리프록시펜**

* 4-phenoxyphenyl(RS)-2-(2-pyridyloxy) propyl ether (KRDA)
○ 10EC(greenhouse whitefly, 온실가루이) Jan.'08(Re) : DB ● 2.45Te(greenhouse whitefly, 온실가루이) Mar.'09 : DB
Shingiru 신기루, Yellowribbon 옐로리본

pyroquilon(F) **피로퀼론**

Pyrroloquinolinone
* 1,2,5,6-tetrahydro pyrrolo(3,2,1-ij) quinolin-4-one (KMAF)
○ 2GR(rice blast, 도열병) Mar.'86～May'90 ○ 50WP(rice blast, 도열병) May'88 ～Dec.'06 ○ 5GR(rice blast, 도열병) Nov.'90 ～Dec.'06 ○ 4GR(rice blast, 도열병) Mar.'02 : SY
Coratop 코라톱

Q

quinalphos(I) **퀴날포스**

Organophosphate
* O,O-diethyl O-quinoxalin-2-yl phosphorothioate (KMAF)
○ 25EC(leaf roller, 잎말이나방) Feb.'78 ～ Dec.'01 ○ 5GR(rice stemmaggot, 벼줄기굴파리) Dec.'01(Re) ～ May.'08
Youngil Ekalux

quinalphos.thiometon(I) **퀴날포스.티오메톤**

○ 16+16EC(peach fruit moth, 심식나방) Apr.'86～Jun.'91
Tombel

quinclorac(H) **퀸클로락**

Quinolinecarboxylic acid
* 3,7-dichloroquinoline-8-carboxylic acid(KMAF) 3,7-dichloro-8-quinoline carboxylic acid

quinmerac(O) **퀸메락**

Quinolinecarboxylic acid
7-chloro-3-methylquinoline-8-carboxylic acid (KRDA)
● 9WP(fruit growth promoter, 과실비대촉진) Apr. '01, Feb. '04 : BY
Jinsangpum, Darnae 다르네

quinoclamine(H) **퀴노클라민**

* 2-amino-3-chloro-1,4-naphthoquinone (KMAF)
● 9GR(paddy field algae, 논조류) Mar.'00 : DHT, May '00 : DF ○ 9GR(paddy field algae, 논조류) Mar.'03 : DHT, DFq
Himangtan 희망탄, Ikitan 이끼탄

quintozene(F) **퀸토젠**

Nitroaniline
* pentachloronitrobenzene (KMAF)
○ 20DP(damping off, 잘록병) Apr.'69～Dec.'89
Botrilex, Tritisan, Folosan, Terrachlor, Brassicol, PCNB

quizalofop-ethyl(H) **퀴잘로포프에틸**

Aryloxyphenoxypropionate
* (RS)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid (KMAF) ethyl-2-(4-(6-chloroquinoxalin-2-yloxy)phenoxyl)propionic acid
○ 10EC(upland weeds,밭잡초) Nov. '04 : KN
Targa 타가

S

sethoxydim(H) **세톡시딤**

Cyclohexanedione oxime
* (±)-(ZE)-2-(1-ethoxyiminobutyl)-5-(2-(ethylthio)propyl)-3-hydroxycyclohex-3-enone (KMAF)
○ 20EC(upland weeds, 밭잡초) Dec.'01(Re) : BY
Nabu 나브

silafluofen(I) **실라플루오펜**

Pyrethroid
* (4-ethoxyphenyl)[3-(4-fluoro-3-phenoxyphenyl)propyl](dimethyl)silane (KMAF)
○ 0.7GR(rice water weevil, 벼물바구미) Jun.'95 : SB, Feb '04 : BY ○ 7EW(plant hopper, 멸구) Jun.'95 ～Dec.'06 ○ 2UG(rice water weevil, 벼물바구미) Feb.'00 ～Dec.'06 ○ 7EC(grass leaf roller, 혹명나방) Feb.'00, Feb '04 : BY ○ 10WP(persimmon fruit moth, 감꼭지나방) Jan.'08(Re) : BY ○ 4SO(rice water weevil, 벼물바구미) Feb.'00～Jan.'08
Joker 조오카, Wan Bang 완방, Mister Joker 미스터조오카

siloxane(O) **실록세인**

* oxyethylene methyl siloxane (KMAF)
○ 30SL(spreader, 전착제) Dec.'01(Re) : DF, DHT
Silwet 실루엣

simane(H) **시마진**

Triazine
* 2-chloro-4,6-bis (ethylamino)-1,3,5-triazine (KMAF)
○ 50WP(upland weeds, 밭잡초) Dec.'01(Re) : DB, SB, YI Mar. '04 : SM ○ 1GR(upland weeds, 밭잡초) Dec.'01(Re) : SB
Simazine 씨마진, Youngil Simane 영일씨마네, Gwasupul 과수풀 Dongbang Simane 동방씨마네

simeconazole(F) **시메코나졸**

Triazole
*(*RS*)-2-(4-fluorophenyl)-1-(1*H*-1,2,4-triazol-1-yl)-3-(trimethylsilyl)propan-2-ol(KRDA)
○ 20 WP(powdery mildew, 흰가루병) Sep. '05 : DB
Difender 디펜더

simetryn(H) **시메트린**

Triazine
* 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine (KMAF)

simetryn.thiobencarb(H) **시메트린.티오벤카브**

○ 1+7GR(paddy field weeds, 논잡초) Feb.'98 ~ Jan.'08
Saturn-S

S-metolachlor(H) **에스-메톨라클로르**

Chloroacetamide
(S)-2-chloro-N-(2-ethyl-6-methyl-phenyl)-N-(2-methoxy-1-methyl-ethyl)-acetamid(84%)and (R)-2-chloro-N-(2-ethyl-6-methyl-phenyl)-N-(2-methoxy-1-methyl-ethyl)-acetamid(≤13%) (KRDA)
○ 2.5GR(upland weeds, 밭잡초) : Aug.'01 : SY Jan. '04 : KN, SG ○ 25EC(upland weeds, 밭잡초) : Aug.'01 : SY, Apr.'03: DHT Jan. '04 : SG ○ 85EC(upland weeds, 밭잡초) : Apr.'04: SY
Dual Gold 듀알골드, Superjanggun 슈퍼장군, Dungsil 둥실, Batdaejang 밭대장

sodium 5-mononitro guaiacol(P) **아토닉**

sodium 5-mononitro guaiacol (KMAF)
○ 0.3SL(plant growth promoter, 생장촉진) Dec.'01(Re) : BY, SG, SH
Samgong Atonic 삼공아토닉, Misung Atonic 미성아토닉, Seohan Atonic 서한아토닉

sodium chlorate(H) **소듐클로레이트**

* sodium chlorate (KMAF)
○ 60WP(area of uncultivated land weeds, 비농경지잡초) Oct.'86～Jul.'94

sodium hydrogen-carbonate(F) **탄산수소나트륨**

* sodium hydrogen-carbonate (KMAF)
● 80SP(powdery mildew, 흰가루병) Feb.'98 : CS

SLS(O) **소듐리그노설포네이트**

sodium ligno sulfonate (KMAF)

spinetoram(I) **스피네토람**

mixture of 50 - 90% (2R,3aR,5aR,5bS,9S,13S,14R,16aS,16bR)-2-(6-deoxy-3-O-ethyl-2,4-di-O-methyl-α-L-mannopyranosyloxy)-13-[(2R,5S,6R)-5-(dimethylamino) tetrahydro-6-methylpyran-2-yloxy]-9-ethyl-2,3,3a,4,5,5a,5b,6,9,10,11,12,13,14,16a,16b-hexadecahydro-14-methyl-1H-as-indaceno[3,2-d]oxacyclododecine-7,15-dione and 50 - 10% (2R,3aR,5aS,5bS, 9S,13S,14R,16aS,16bS)-2-(6-deoxy-3-O-ethyl-2,4-di-O-methyl-α-L-mannopyranosyloxy)-13-[(2R,5S,6R)-5-(dimethylamino)tetrahydro-6-methylpyran-2-yloxy]-9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-4,14-dimethyl-1H-as-indaceno[3,2-d]oxacyclododecine-7,15-dione(IUPAC)
○ 5SC(diamond-back moth, 배추좀나방) Mar.'08 : DB ○ 5WG(western flower thrips, 꽃노랑총채벌레) Janr. '09 : DHT
Ari-Exelt 아리엑설트, Delegate 델리게이트

spinosad(I) **스피노사드**

(2R,3aS,5aR,5bS,9S,13S,14R,16aS,16bR)-13-[[(2R,5S,6R)-5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]oxy]-9-ethyl-2,3,3a,5a,5b,6,7,9,10,11,12,13,14,15,16a,16b-hexadecahydro-4-hydro(or methyl)-14-methyl-7,15-dioxo-1H-as-indaceno[3,2-d]oxacyclododecin-2yl 6-deoxy-2,3,4-tri-O-methyl-α-L-mannopyranoside (KMAF)
○ 10WG(thrips, 총채벌레) Feb.'97 : KN, DB, DHT ○ 10SC(thrips & diamond-back moth, 총채벌레.배추좀나방) Jan.'04 DHT Jan.'08(Re) : SY ● 10SC(thrips, 총채벌레) Apr. '01 : YI, Dow
Boomerang 부메랑, Olgami 올가미, Symphony 심포니 Chonzang 촌장

spirodiclofen(I) **스피로디클로펜**

Tetronic acid
*3-(2,4-dichlorophenyl)-2-oxo-loxaspiro[4,5]dec-3-en-4-yl2,2-dimethyl butyrate(KRDA)
○ 36WP(acarina, 응애) Mar. '02 : BY ○ 22SC(acarina, 응애) Jan. '03 : BY
Sinawi 시나위, Envidor 엔비도

spiromesifen(I) **스피로메시펜**

Tetronic acid
* 3-mesityl-2-oxo-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutyrate(KRDA)
○ 20SC(two-spotted spidermite, 점박이응애) Mar. '05 : DHT ○ 20WP(acarina, 응애) Mar.'08 : BY
Jijon 지존 Apseung 압승

spraysticker(O) **스프레이스티커**

alkyl olefin aromatic polymers (KMAF)
● 45SL(spreader, 전착제) Oct.'89 ~ Feb.'02

spreader sticker(O) **스프레더스티커**

modified phthalic glycerol alkyl resin(KMAF)
● 77DC(spreader, 전착제) Apr.'06(Re) : KN
Latron 레이트론

streptomyces colombiensis WYE 20(F) **스트렙토마이세스콜롬비엔시스더블유와이이20**

Biopesticide
** *streptomyces colombiensis* WYE 20(KRDA)
○ 1×10^4cfu/㎖ SL(gray mold, 잿빛곰팡이병) Sep. '03 : KIBC
Micoside 마이코싸이드

streptomyces goshikiensis WYE 324(F) **스트렙토마이세스고시키엔시스더블유와이이324**

** *streptomyces goshikiensis* WYE 324(KRDA)
○ 1×10^5cfu/㎖ SL (large pathch, 라이족토니아마름병) Sep. '03 : KIBC
Safegro 쎄이프그로

streptomycin(sulfur salt)(F) **스트렙토마이신황산염**

Antibiotics
D-streptamine, O-2-deoxy-2-(methylamino)-α-L-glucopyransyl-(1-2)-O-5-deoxy-3-C-formyl-α-L-luxofuranosyl-(1-4)-N,N′-bis(aminoiminomethyl)-sulfate (2:3) (salt) (KMAF)

streptomycin(F) **스트렙토마이신**

Antibiotics
* O-2-deoxy-2-methylamino -α- L - glucopyranosyl - (1→2)-O-5-deoxy-3-C-formyl-α-L-lyxofuranosyl-(1→4)-N^3,N^3-diamino-D-streptoamine(KRDA)
○ 20WP(fusarium rot, 궤양병) Dec.'01(Re) : KN, DB, DF, DHT, EB, YI, SG Mar. '04 : SM
Blamycin 부라마이신, Agrepto 아그렙토, Daara다아라, Jungmil Nongyongcin 정밀농용신, Ari Nongyongcin 아리농용신, EBM Nongyongcin 이비엠농용신, Samgong Nongyongcin 삼공농용신, SM Nongyongcin 에스엠농용신

streptomycin.thiophanate-methyl(F) **스트렙토마이신.티오파네이트메틸**

○ 18.8+50WP(fusarium rot, 궤양병) Jan. '04 : BY
Ataking 아다킹

streptomycin.validamycin-A(F) **스트렙토마이신.발리다마이신에이**

○ 5+15 WP(bacterial soft rot, 무름병) Apr.'04 : DHT
Bangbumdae 방범대

sulfur(F) **황**

sulfur (KMAF)
○ 80WP(powdery mildew, 흰가루병) Apr.'69～Mar.'96 ● 77WP(scab, 더뎅이병) Mar.'02 : SB ● 52SC(powdery mildew, 흰가루병) Sep. '05 : 아리스타 Jan.' 07 : TJ
Sulfur, Elosal, Kumulus S, Thiovit, Kumulus쿠무러스, Ari Starsulfur 아리스타설퍼 Makoni 마코니

sulfur.thiophanate-methyl(F) **황.티오파네이트메틸**

○ 36+6SC(powdery mildew, 흰가루병) Dec.'01(Re): KN Jan.'04 : BY
Assayuhwang 아싸유황, Bareungil 바른길

sulfuryl fluoride(I) **설퍼릴플루오라이드**

** sulfuryl fluoride(KRDA)
● 98GA(termite, 흰개미) Sep. '03 : 제이에스
S-furm 에스퓸

T

TCMTB(F) **티시엠티비**

2-(thiocyano methylthio) benzothiazole (KMAF)
○ 30EC(rice seed disinfectant, 벼종자소독) Dec.'77～Dec.'91
Busan-30

tebuconazole(F) **테부코나졸**

Triazole
* (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol (KMAF)
○ 25EC(brown patch, 갈색잎마름병)Dec.'01(Re) : DHT, BY ○ 25WP(white rot, 겹무늬썩음병) Dec.'01(Re) : DHT, BY ○ 20SC(scab, 더뎅이병) Jan.'03 : BY ○ 25EW(anthracnose, 탄저병) Jan.'04 : BY, MG ○ 25WG(anthracnose, 탄저병) Sep. '05 : KB ● 23WG(anthracnose, 탄저병) May, '06 : BY ○ 12DC(anthracnose, 탄저병) Mar, '07 ~ Jun.'08 ○ 2PA(canker, 부란병) Mar.'09 : BY
Folicur 호리쿠어, Silvacur 실바코, Baycal 바이칼, Stealth 스텔스, sunsuro, Million 밀리언, Orius 오리우스, Tiporatan, Version-up 버전업

tebuconazole.tolylfluanid(F) **테부코나졸.톨릴플루아니드**

○ 15+50WP(gray mold, 잿빛곰팡이병) Dec.'01(Re) : DHT
Eumji 엄지

tebuconazole.trifloxystrobin(F) **테부코나졸.트리플록시스트로빈**

○ 20+10SC(anthracnose, 탄저병) Mar. '06 : BY
Nativo 나티보

tebufenozide(I) **테부페노자이드**

Diacylhydrazine
* N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethyl benzohydrazide (KMAF)
○ 8WP(rice stemborer, 이화명나방) Dec.'01(Re) : KN ○ 1GR(rice stemborer, 이화명나방) Apr.'94 ~Dec.'06 ○ 20SC(leafroller, 잎말이나방) Dec.'01(Re) : KN, SB
Mimic 미믹, Hunter 한터

tebufenpyrad(I) **테부펜피라드**

* N-(4-tert-butybenzyl)-4-chloro-3-ethyl-1-methlpyrazole-5-carboxamide(KMAF)
○ 10WP(acarina, 응애) Dec.'01(Re) : SY ○ 10EC(acarina, 응애) Dec.'01(Re) : SY
Pyranica 피라니카

tebufenpyrad.tetradifon(I) **테부펜피라드.테트라디폰**

○ 2.5+8EC(acarina, 응애) Feb.'97 ~ Jan.'07
Infighter

tebupirimfos(I) **테부피림포스**

Organophosphate
* o-(2-tert-butylpyrimidin-5-yl) o-ethyl o-isopropyl phosphorothioate (KRDA)
○ 2GR(click beetle, 방아벌레) Mar.'99 ~ Jan.'09 : SY

tecloftalam(F) **테클로프탈람**

* 3,4,5,6-tetrachloro-N-(2,3-dichlorophenyl) phthalamic acid N-(2,3-dichlorophenyl) 3,4,5,6-tetrachloro phthalamic acid (KMAF)
○ 10WP(leaf blight, 흰잎마름병) Dec.'01(Re) : KN, DB, DHT, SG Jan. '04 : BY
Shirahagen 시라겐, Samgong teram 삼공테람, Kyungnong Teram 경농테람, Chumina 추미나, Dongbang Teram 동방테람

teclofthalam.Validamycin A(F) **테클로프탈람.발리다마이신에이**

○10+5SC(Bacterial grain rot, 세균성벼알마름병) Mar '09 :SG
Baemoonbulyeoilyong 백문불여일용

teflubenzuron(I) **테플루벤주론**

Benzoylurea
* 1-(3,5-dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl) urea (KMAF)
○ 5SC(citrus leafminer, 귤굴나방) Dec.'01(Re) : KN, DHT ○ 5EC(common cabbage worm, 배추흰나비) Nov.'91 ~Dec.'06
Nomolt 노몰트

tefluthrin(I) **테플루트린**

Pyrethroid
* 2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-(1RS,3RS)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate (KRDA)
○ 0.5GR(white grub, 굼벵이) Jan.'03 : SY
Force 포스

tefluthrin.thiamethoxam(F) **테플루트린.티아메톡삼**

○ 0.5+0.5GR(click beetle, 방아벌레) Mar. '07 : SY
Terafit 테라피

terbufos(I) **터부포스**

Organophosphate
* S-tert-butyl thiomethyl O,O-diethyl phosphorodithioate (KMAF)
○ 3GR(soil insects, 토양해충) Dec.'01(Re) : DF, DHT, SY, YI, SG KN, Mar.'04 : SM
Counter 카운타, Tangsa 땅사, Yubyeolna유별나, Toptaja 톱타자, Maldduk말뚝, Ari Terbo 아리타보, Myultangchoong 멸땅충

terbuthylazine(H) **터부틸라진**

Triazine
* N^2-tert-butyl-6-chloro-N^4 -ethyl-1,3,5-triazine-2,4-diamine (KMAF)
○ 80WP(orchard weeds, 과원잡초) Apr.'89 ~Dec.'06
Gardoprim

terbutryn(I) **터부트린**

Triazine
* 2-tert-butylamino-4-ethylamino-6-methylthio-1,3,5-triazine (KMAF)
○ 50WP(upland weeds, 밭잡초) Nov.'77~Oct.'88
Igran, Clarosan, Prebane

tetrachloro methane(O) **테트라클로로메탄**

tetrachloro methane (KMAF)

tetrachlorvinphos(I) **테트라클로르빈포스**

* (Z)-2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate (KMAF)
○ 75WP(peach fruit moth, 심식나방) Nov.'77~May '90 ○ 1.5DP(grass leaf roller, 혹명나방) Nov.'77~Jan.'92
Gardona

tetrachlorvinphos.trichlorfon(I) **테트라클로르빈포스.트리클로르폰**

○ 35+25WP(peach fruit moth, 심식나방) Mar.'88 ~ Jan.'92

tetraconazole(F) **테트라코나졸**

Triazole
* (RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether (KRDA)
○ 12.5EW(scab, 검은별무늬병) Jan.'09(Re) : BY ○ 12EC(black rot, 덩굴마름병) Apr.' 08 : DHT
Eminent 에머넌트, Domark 도마크

tetradifon(I) **테트라디폰**

* 4-chlorophenyl-2,4,5-trichlorophenyl sulphone (KMAF)
○ 8EC(acarina, 응애) Dec.'01(Re) : DB, DHT, SY, SG
Tedion 테디온

thenylchlor(H) **테닐클로르**

Chloroacetamide
* 2-chlor-N-(3-methoxy-2-thenyl)-2',6'-dimethylacetanilide (KMAF)

thiabendazole(F) **티아벤다졸**

Benzimidazole
* 2-(thiazol-4-yl) benzimidazole (KMAF)
○ 60WP(seed disinfectat, 종자소독) Oct.'88~Mar.'92 ● 60WP(green mold, 푸른곰팡이병) Apr.'92 ~Dec.'06 ● 40.8 SC(Postharvest diseases of apple, 사과저장병) Mar.'06 SY
Panmashi, Miragi 미라지

thiacloprid(I) **티아클로프리드**

Neonicotinoid
N-[3-{(6-chloro-3-pyridinyl)methyl}-1,3-thiazolan-3-yliden]cyanamide (KRDA)
○ 1GR(rice water weevil, 벼물바구미) Nov. '00 : BY ○ 2SO(rice water weevil, 벼물바구미) Apr. '01 : BY ○ 10SC(aphids, 진딧물) Jan. '03. : BY
Calipso 칼립소

thiamethoxam(I) **티아메톡삼**

Neonicotinoid
* 3-(2-chloro-thiazol-5-ylmethyl)-5-methyl-[1,3,5]oxadiazinan-4-ylidene-N-niroamine (KRDA)
○ 10WG(aphids, 진딧물) Jan.'09(Re) : SY ○ 1.5GR(aphids, 진딧물) Jul.'09(Re) : SY ○ 15DC(pine leaf gall midge, 솔잎혹파리) Apr. '01 : KN ○ 1GR(rice water weevil, 벼물바구미) Apr. '01 : SY ○ 12.5SL(lace bug, 방패벌레) Jun. '02 : SY ● 70WS(rice water weevil, 벼물바구미) Jun. '02 : SY ● 23.5WG(Bemisia tabaci, 담배가루이) Oct. '06 : SY
Actara 아타라 Actara Nohn 아타라논, Jass 자스, Jass ST 자스에스티, Flagship 플래그쉽

thiazopyr(H) **티아조피르**

Pyridine
* methyl-2-difluoromethyl-4-isobutyl-5-(4,5-dihydro-2-thiazolyl)-6-trifluoro-methyl-3-pyridine carboxylate (KRDA)
○ 12EC(upland weeds, 밭잡초) Oct.'99 ~ Jan.'09 : DHT
Visor 바이저

thidiazuron(P) **티디아주론**

Phenylurea
* 1-phenyl-3-(1,2,3-thiadiazol-5-yl)urea (KRDA)
○ 1WP(fruit growth promoter, 비대촉진) May. '00, Jan. '04 : BY ○ 0.1SL(fruit growth promoter, 비대촉진) Mar. '05 : BY
Deochri 더크리, Growth 그로스

thifensulfuron-methyl(H) **티펜설퓨론메틸**

Sulfonylurea
* methyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophen-2-carboxylic acid (KRDA)
● 75WG(upland weeds, 밭잡초) Jul.'09(Re) : YI, DP
Harmony 하모니

thifluzamide(F) **티플루자마이드**

Carboxamide
* 2′,6′-dibromo-2-methyl-4′-trifluoromethoxy-4-trifluoromethyl-1,3-thiazole-5-carboxanilide(KMAF)
○ 4GR(sheath blight, 잎집무늬마름병) Feb.'97 ~Dec.'06 ○ 3GR(sheath blight, 잎집무늬마름병) Jan.'09(Re) : DHT ○ 7SC(sheath blight, 잎집무늬마름병) Mar, '02 : DHT ● 23SC(sheath blight, 잎집무늬마름병) Mar.'99 ~ Sep. '03 ● 21SC(sheath blight, 잎집무늬마름병) Sep.'03 : DHT
Greatam 그래탐

thifluzamide.imidacloprid(IF) **티플루자마이드.이미다클로프리드**

○ 3+2GR(sheath blight & rice water weevil, 잎집무늬마름병.벼물바구미) Mar.'00 : BY
Bepil 베필

thifluzamide.tiadinil.clothianidin(IF) **티플루자마이드.티아디닐.클로티아니딘**

○ 3+6+0.5GR(sheath blight & rice water weevil, 잎집무늬마름병.벼물바구미) Mar.'05 : DHT
Full course 풀코스

thifluzamide.tiadinil.dinotefuran **티플루자마이드.티아디닐.디노테퓨란**

○ 2.5+5+1.5 GR(rice blast, 목도열병) Sep.'08 : KN
Samguktongil 삼국통일

thiobencarb(H) **티오벤카브**

Thiocarbamate
* S-4-chlorobenzyl diethyl thiocarbamate (KMAF)
○ 7GR(paddy field weeds,논잡초) Dec.'01(Re) : SB ○ 50EC(paddy field weeds,논잡초) Mar.'09 : SB
Saturn, Chokeurin 초크린

thiocyclam hydrogen oxalate(I) **티오사이클람하이드로젠옥살레이트**

* N,N-dimethyl-1,2,3-trithian-5-ylamine hydrogenoxalate (KMAF)
○ 25WP(grass leaf roller & rice stemborer, 혹명.이화명나방) Dec.'01(Re) : KN ○ 3GR(grass leaf roller & rice stemborer, 혹명.이화명나방) Jun.'81～Oct.'88 ○ 3.5GR(rice stemborer, 이화명나방) May'93 :～Dec.'06 ○ 25WP(persimmon fruit moth, 감꼭지나방) Mar.'09 : AL
Evisect 에비섹트, Jumugi 주무기

thiodicarb(I) **티오디카브**

Carbamate
* 3,7,9,13-tetramethyl-5-11-dioxa-2,8,14-trith1ia-4,7,9,12-tetra-azapentadeca-3,12-diene-6, 10-dione (KMAF)
○ 75WP(peach fruit moth, 심식나방) Jan.'92 ～Dec.'06 ○ 40WP(army worm, 파밤나방) Mar.'02, Jan. '04 : BY
Shingirok 신기록

thiofanox(I) **티오파녹스**

Carbamate
* 1-(2,2-dimethyl-1-methylthiomethyl propylidene amino-oxy)-N-methylformamide (KMAF)
○ 3GR(aphids, 진딧물) Feb.'88～Mar.'94
Dacamox

thiometon(I) **티오메톤**

Organophosphate
* S-2-ethylthioethyl O,O-dimethyl phosphorodithioate (KMAF)
○ 25EC(aphids, 진딧물) Jan.'75～Jan.'92
Ekatin

thiophanate-methyl(F) **티오파네이트메틸**

Thiophanate
* dimethyl-4-4'(O-phenylene) bis(3-thioallophanate) (KMAF)
○ 70WP(powdery mildew,흰가루병) Dec.'01(Re):KN, DB, DF, DHT, SY, EB, BY, SB, YI, SG Mar. '04 : SM ○ 40SC(rice blast, 도열병) Dec.'01(Re) : KN, DF, EB, SG Jan.'04 : BY May, '05 DF ● 3PA(canker, 부란병) Dec.'01(Re) : YI Jan.'04 : NK
Youngil thiopan 영일지오판, Topsinpaste 톱신페스트, Maniker 마니커, Thiotop 치호톱, Thiopan-M지오판엠, Dongbang thiopan 동방지오판, Topneit-M 톱네이트-엠, Ari Thiopan 아리지오판, Jungmil Thiopan 정밀지오판, 슈퍼톱탄, Sungbo Thiopan성보지오판, EBM jeete 이비엠지이트, Samgong thiopan삼공지오판, Baroneo 바로너, Dimos 디모스, Cobin 코빈, Gyunzigi 균지기 Topsin-M, ,Topgun,, Supertoptan, Thiopan-M, Nocsaekwang

thiophanate-methyl.thiram(F) **티오파네이트메틸.티람**

○ 50+30WP(rice seed disinfectant, 벼종자소독) Dec.'01(Re) : DHT Jan.'04 : BY ○ 10+10DS(rice seed disinfectant, 벼종자소독) May'87 ～ Dec. '01
Homai 호마이, Kumnarak 금나락

thiophanate-methyl.tricyclazole(F) **티오파네이트메틸.트리사이클라졸**

○ 15+15SC(leaf blast, 잎도열병) Mar.'09 : SB
Mideuma 미드마

thiophanate-methyl.triflumizole(F) **티오파네이트메틸.트리플루미졸**

○ 45+15WP(rice seed disinfectant, 벼종자소독) Apr.'92 : KN, SG Jan.'04 : DB
Dongbangagro Goodtime 동방아그로굳타임, Moduwori 모두우리

thiophanate-methyl.vinclozolin(F) **티오파네이트메틸.빈클로졸린**

○ 40+30WP(gray mold, 잿빛곰팡이병) May'90 ~Dec.'06
Manina

thiram(F) **티람**

Dithiocarbamate
* tetramethyl thiuram disulphide (KMAF)
○ 80WP(alternaria leaf spot, 점무늬낙엽병) May'87 : SG ○ 80WG(alternaria leaf spot, 점무늬낙엽병) Jun.'99 ~ Jan.'09 : SY ● 26.5 FS(wild bird repellent, 새피해경감) Apr. '01 : SG ○ 40SC(scab, 검은별무늬병) Mar.'09 : YI
Sulmanae, Youngil Thiram 영일티람 Saechong 새총, Attie 아띠,

thiram.methiocarb(IF) **티람.메티오카브**

○ 10+20FS(wild bird repellent, 새피해경감) Mar. '06 : DHT
Bohomang 보호망

tiadinil(F) **티아디닐**

Thiazdiazole carboxamide
* 3'-chloro-4,4' dimethyl-1,2,3,-thiadiazole-5-carboxanilde(KRDA)
○ 6 GR(rice blast, 잎도열병) Jul. '03 : SG
Super-Noncheong 슈퍼논청

tiadinil.benfuracarb(IF) **티아디닐.벤퓨라카브**

○ 6+3.6GR(rice blast, 도열병) Mar. '06 : DB
Duet 듀엣

tiadinil.carbosulfan(IF) **티아디닐.카보설판**

○ 6+3.5 GR(rice water weevil & rice blast, 벼물바구미, 잎도열병) Jan. '04 : DHT
Longkick 롱킥

tiadinil.clothianidin(IF) **티아디닐.클로티아니딘**

○ 6+0.5 GR(rice water weevil & rice blast, 벼물바구미, 잎도열병) Jul. '03 : SG
Dacaba 다카바

tiadinil.imidacloprid(IF) **티아디닐.이미다클로프리드**

○ 6+2.5GR(Bacterial grain rot, 세균성벼알마름병) Oct. '06 : KN
Manchoo 만추

tolclofos-methyl(F) **톨클로포스메틸**

Organophosphate
* O-2,6-dichloro-p-tolyl-O,O-dimethyl phosphorothioate (KMAF)
○ 50WP(scurf, 겹무늬썩음병) Dec.'01(Re) : DB ○ 42SC(large patch, 라이족토니아마름병) Dec.'06(Re) : DB ○ 10DP(scurf, 겹무늬썩음병) Dec.'06(Re) : DB
Rizolex 리조렉스

tolylfluanid(F) **톨릴플루아니드**

Sulfamide
* N-dichlorofluoromethyl-N′,N′-dimethyl-N-p tolylsulfamide (KMAF)
○ 50WP(gray mold, 잿빛곰팡이병) Dec.'06(Re) : BY
Euparen-M 유파렌-엠

tralomethrin(I) **트랄로메트린**

Pyrethroid
* (S)α-cyano-3-phenoxybenzyl(1R,3S)-2,2-dimethyl-3-((RS)-1,2,2,2-tetrabromoethyl) cyclopropane carboxylate (KMAF)
○ 1.3EC(aphids, 진딧물) Apr.'89 : DF
Toubueldae 토벌대

triadimefon(F) **트리아디메폰**

Triazole
* 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl) butanone (KMAF) 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl) butanone
○ 5WP(rust, 붉은별무늬병) Dec.'01(Re) : KN, DHT, BY, SB Mar. '04: SM
Bayleton 바리톤, Ilsunwee일순위, Sungbo Tidifon성보티디폰, SM Tidifon에스엠티디폰, Tidifon Gold티디폰골드

triadimenol(F) **트리아디메놀**

Triazole
* 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl) butan-2-ol (KMAF)
○ 5WP(rust, 붉은별무늬병) Dec.'06(Re) : DHT, BY
Bayfidan 바이피단

triazamate(I) **트리아자메이트**

Carbamoyltriazole
* ethyl (3-tert-butyl-1-dimethyl carbamyl-1H-1,2,4-triazol-5-yl thio)acetate (KMAF)

triazophos(I) **트리아조포스**

Organophosphate
* O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate (KMAF) O,O-diethyl-O-1-phenyl-1,2,4-triazol-3-yl phosphorothioate
○ 40EC(leafroller, 잎말이나방) Dec.'01(Re), Jan. '04 : BY
Hostathion 호스타치온

tribasic copper sulfate(F) **트리베이식코퍼설페이트**

Inorganic
cupric sulfate-tricupric hydroxide-hemihydrate(Cu로서) (KMAF)
○ 15SC(fusarium rot, 궤양병) Dec.'06(Re) : SY
Saevinna 새빈나

tribasic copper sulfate.tebufenpyrad(IF) **트리베이식코퍼설페이트.테뷰펜피라드**

○ 7.5+2.5SC(scab & acarina, 검은별무늬병.응애) Mar.'96 ~Dec.'06
Kwasuwang

trichlorfon(I) **트리클로르폰**

Organophosphate
* dimethyl 2,2,2-trichloro-1-hydroxyethyl phosphonate (KMAF)
○ 80WP(leafroller, 잎말이나방) Dec.'01(Re) : KN, DB, DF, DHT, BY, SB, YI ○ 50SL(leafroller, 잎말이나방) Dec.'01(Re) : KN, DF, DHT, SB, YI ○ 4DP(fall webworm,흰불나방) Jan.'75～Feb.'81
Diplox 디프록스, Kyungnong DEP경농디프, Myunggonggyuk명공격, Sungbo DEP성보디프, Youngil DEP 영일디프

triclopyr(H) **트리클로피르**

Aryloxyalkanoic acid
* (3,5,6-trichloro-2-pyridyloxyacetic acid) butoxyethyl ester (KMAF)
○ 61.6EC(upland weeds, 밭잡초) May'92 ～Dec.'06
Garlon

triclopyr acid(P) **트리클로피르산**

Aryloxyalkanoic acid
* 3, 5, 6-trichloro-2-pyridyloxyacetic acid (KRDA)
● 10TB(coloring promotor, 착색촉진) Jan.'08(Re) : SA
Maxim, Tops 탑스

triclopyr-TEA(H) **트리클로피르티이에이**

Aryloxyalkanoic acid
* triethylammonium 3, 5, 6-trichloro-2-pyridyloxyacetate (KRDA)
○ 30SL(upland weeds, 밭잡초) Jan.'08(Re) : KN, DB,
Newgaron 뉴갈론, Kita 키타

tricyclazole(F) **트리사이클라졸**

Triazole
* 5-methyl-1,2,4-triazolo (3,4-b) benzothiazole (KMAF)
○ 75WP(rice blast, 도열병) Dec.'01(Re) : KN, DF, DHT, SY, EB, BY, SB, YI, SG, UI Mar.'04 : SM ○ 1DP(rice blast, 도열병) Mar.'79～Mar.'94 ○ 41.7SC(rice blast, 도열병) Dec.'01(Re) : DF, DHT, SY, EB Jan. '04 : BY ○ 4GR(rice blast, 도열병) Apr.'89 ～Dec.'06
Beam 빔, D-day 디-데이, Jungmil Trizol 정밀트리졸, Gayabim 가야빔, Sungbo Trizol, Ari Trizol아리트리졸, EBM Dosari, Manbang만방, Trizolvin 트리졸빈, Seraco Dosabim , Nabaron 나바론, Dosa-Beam 도사빔

tricyclazole.acetamiprid(IF) **트리사이클라졸.아세타미프리드**

○ 3+1.5GR(rice blast, 잎도열병) Oct. '06 : KN
hanwoori 한우리

tricyclazole.carbosulfan(IF) **트리사이클라졸.카보설판**

○ 4+3.5GR(rice water weevil & rice blast, 벼물바구미.도열병) Oct.'04 : YI
Musami 무사미

tricyclazole.clothianidin(F) **트리사이클라졸.클로티아니딘**

○ 4+0.5GR(leaf blast, 잎도열병) Mar.'09 : SB
Dananburn 다난번

tricyclazole.dinotefuran(IF) **트리사이클라졸.디노테퓨란**

○ 2.5+1GR(rice blast, 도열병) Sep. '05 : KN
Hankal 한칼

tricyclazole.imidacloprid(IF) **트리사이클라졸.이미다클로프리드**

○ 4+2.5GR(rice blast & rice water weevil, 도열병.벼물바구미) Jun.'97 : DHT

tricyclazole.isoprocarb(IF) **트리사이클라졸.아이소프로카브**

○ 25+50WP(plant hopper & blast, 멸구.도열병) May'88～Mar.'91

tricyclazole.validamycin-A(F) **트리사이클라졸.발리다마이신에이**

○ 20+5SC(rice blast, 도열병) Sep. '05 : YI
Goldmi 골드미

trifloxysulfuron-sodium(H) **트리플록시설퓨론소듐**

Strobilurin
● 72.5WG(bitter rot, 탄저병) Mar. '07 : SY
Monument 모뉴먼트

trifloxystrobin(F) **트리플록시스트로빈**

Strobilurin
* methyl(E)-methoxyimino-[(E)-α-{1-(α,α,α- trifluoro - m - tolyl) ethylideneaminooxy} -o-tolyl]acetate(KRDA)
○ 50WG(bitter rot, 탄저병) Mar. '02 : DHT ○ 22SC(bitter rot, 탄저병) Jan. '03 : BY
A-pul 에이-플, Flint 프린트

triflumizole(F) **트리플루미졸**

Imidazole
* (E)-4-chloro-α,α,α-trifluoro-N-(1-imidazol-1-yl-2-propoxyethylidene)-O-toluidine (KMAF)
○ 30WP(scab, 검은별무늬병) Apr.'87 : KN, SG Jan. '04 : YI ○ 15EC(powdery mildew, 흰가루병) Apr.'92 : KN, SG Jan. '04 : BY ● 10FU(powdery mildew, 흰가루병) Apr.'93 ～ Dec '05
Trifmine 트리후민

triflumuron(I) **트리플루뮤론**

Benzoylurea
* 1-(2-chlorobenzoyl)-3-(4-trifluromethoxyphenyl)urea (KMAF) 2-chloro-N-(4-(trifluoro methoxy)phenyl)amino)carbonyl) benzamide
○ 25WP(citrus leafminer, 귤굴나방) Dec.'01(Re) : DF, DHT, BY
Alsystin 알시스틴

trifluralin(H) **트리플루랄린**

Dinitroaniline
* α,α,α-trifluoro-2,6-dinitro-N,N-diprophyl-p-toluidine (KMAF)
○ 44.5EC(upland weeds, 밭잡초) Dec.'01(Re) : DB, DHT, SG ○ 2.5GR(upland weeds, 밭잡초) May'83.～Jan.'92
Gawon 가원, Samgong Trilin삼공트리린, Dongbang Trilin 동방트리린

triforine(F) **트리포린**

Piperazine
* 1,4-bis(2,2,2-trichloro-1-formamidoethyl) piperazine (KMAF)
○ 17EC(powdery mildew, 흰가루병) Dec.'01(Re) : KN, SG, DB, DU ○ 19DC(bitter rot, 탄저병) Mar.'96 ~ Mar.'08
Kyungnong Saprol 경농사프롤, Samgong Saprol 삼공사프롤, Newprol 뉴프롤, Youngil triforine

trinexapac-ethyl(P) **트리넥사팍에틸**

* ethyl 4-cyclopropyl(hydroxy)methylene-3,5-dioxocyclohexanecarboxylate (KMAF)
● 25ME(growth inhibiter, 생장억제) Dec.'06(Re) : SY ○ 25WP(lodging reduction, 도복경감) Apr.'99 ~ Jan.'08
Lesmo 래스모

V

vamidothion(I) **바미도티온**

Organophosphate
* O,O-dimethyl S(2-(1-methylcarbamoyl ethylthio) ethyl)phosphorothioate (KMAF)
○ 40SL(aphids, 진딧물) Apr.'80～Jun.'91
Kilval

validamycin-A(F) **발리다마이신에이**

Antibiotics
* 1L-(1,3,4/2,6)-2,3-dihydroxy-6-hydroxymethyl-4-((1R,4R,5S,6S)-4,5,6-trihydroxy-3-hydroxy methylcyclohex-2-enylamino) cyclohexyl-β-D-glucopyranoside (KMAF)
○ 3SL(sheath blight, 잎집무늬마름병) Mar.'76～ Mar.'92 ○ 0.3DP(sheath blight, 잎집무늬마름병) Dec.'01(Re) : DB, DHT, SY, SG Jan.'04 : BY ○ 5SL(sheath blight, 잎집무늬마름병) Apr.'92 : KN, DB, DHT, SY, SB Jun.'04 : SM Mar. '01 : YI, SG, DF Oct.'07 UI ○ 10SP(bacterial soft rot, 무름병) Mar.'00 : SY Oct.'02: SG ○ 20WG(bacterial soft rot, 무름병) Mar.'09 : YI
Valimun 바리문, Amunda 아문다,Hanwoomul 한우물, Youngmaru 용마루, Youngil Valimun 영일바리문, Jungmil Valicin 정밀바리신, Kyungnong Valicin 경농바리신, Sungbo Valimun 성보바리문, Allpung 올풍, Damulgun 다물군, Dongbangagro Valimun 동방아그로바리문, Jedaero 제대로, Dongbang Valimun 동방바리문, Youngilsmart 영일스마트

validamycin-A.cartap hydrochloride(IF) **발리다마이신에이.카탑하이드로클로라이드**

○ 2+0.3DP(rice stemborer & sheath blight, 이화명나방.잎집무늬마름병) (Apr.'82～Jun.'85)

validamycin-A.fenobucarb(IF) **발리다마이신에이.페노뷰카브**

○ 0.3+2DP(plant hopper & sheath blight, 멸구.잎집무늬마름병) May'78 ~ Dec.'01
Valimyul

vinclozolin(F) **빈클로졸린**

Dicarboximide
* (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione (KMAF) 3-(3,5-dichlorophenyl)-5-methyl-5-vinyloxazolidine-2,4-dione
○ 50WP(gray mold, 잿빛곰팡이병) Jun.'80 ~ Dec.'01 ○ 25WF(gray mold, 잿빛곰팡이병) Mar.'94 ~Dec.'06 ● 50WG(gray mold, 잿빛곰팡이병) Feb.'98 ~ Jan.'03 ● 47WG(gray mold, 잿빛곰팡이병) Jan.'03: SG
Nollan 놀란

X

XMC(I) **엑스엠시**

Carbamate
* 3,5-xylyl methylcarbamate (KMAF)
○ 2DP(plant hopper, 멸구) Nov.'77~Oct.'88
Macbal

Y

yotocon-S(I) 요토콘에스

(Z,E)-9-12-tetradecadienyl acetate…… 53%, (Z)-9-tetradecenol…… 24% (KMAF)
● 77OL(beet army worm, 파밤나방) Apr.'97 ~Jan.'07
Shinhodeung 신호등

Z

zeta-cypermethrin(I) **제타사이퍼메트린**

Pyrethroid
* (S)-α-cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate (KMAF)
○ 3EC(apple leafminer, 사과굴나방) Apr.'96 : KN, DHT ● 3EW(apple leafminer, 사과굴나방) .Jul.'03 : FMC, Dec.' 03 : GNS Feb.'08 : FR
Fury 퓨리, Alchans 알칸스, Dominex 도미넥스

zineb(F) **지네브**

Dithiocarbamate
* zinc ethylenebis (dithio carbamate) (polymeric) (KMAF) zinc ethylenebis (dithio carbamate)
○ 72WP(bitter rot, 탄저병) Apr.'69~Jan.'90
Dithane Z-78

zoxamide(F) **족사마이드**

* (RS)-3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-p-toluamide 3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-p-toluamide (KRDA)
○ 25SC(foot rot, 역병) Oct. '07 : KN
Saysay 세이세이

I N D E X

1. Common Name

† : Cancelled item, * : Not registered

1, 3-dichloropropene [† ○92GA] ---------- 9
1, 3-dichloropropene+chloropicrin [† ○74+16.5GA] ---------- 9
1-methlcyclopropene [●3.3VP, ●0.63GE] ---------- 9
2, 4-D [○40SL] ---------- 9
2, 4-D.dicamba [† ○31.2+15.5SL] ---------- 9
2, 4-D.glyphosate [† ○6.4+22SL] ---------- 9
2, 4-D ethylester [† ○1.4GR, ○18WP] ---------- 9
4-CPA [○0.15SL] ---------- 10
6-benzylaminopurine [† ●3SL, ○0.3SL, ○3SL] ---------- 10
gibberellinA_{4+7}.6-benzylaminopurine [●1.8+1.8SL] ---------- 92
IAA.6-benzylaminopurine [○0.3+0.2SL] ---------- 97
8-hydroxyquinolinesulfate [† ○0.15PA] ---------- 10
abamectin [† ○0.6EC, ●1.8EC] ---------- 10
acephate [○50WP, † ○2DP, † ○5GR, ○23.7EC, † ●97CS] ---------- 10
acephate.benfuracarb [○10+5WP] ---------- 11
acephate.bifenthrin [† ○25+1WP] ---------- 11
acephate.flucythrinate [† ○3+35WP] ---------- 11
acequinocyl [●15SC] ---------- 11
acetamiprid [○8WP, ○8SP, ○2SL, ○5SL, ●0.005AL, ●15FU, ○1.5GR] ---------- 11
acetamiprid.bifenthrin [† ○2+1.5WP] ---------- 11
acetamiprid.buprofezin [○4+15EC] ---------- 11
acetamiprid.chlorfenapyr [○2.5+3WP] ---------- 11
acetamiprid.chlorfenapyr [○2.5+3WP] ---------- 11
acetamiprid.diflubenzuron [○2+7WP] ---------- 11
acetamiprid.etofenprox [○2.5+8WP] ---------- 11
acetamiprid.fipronil [† ○4+1WP] ---------- 12
acetamiprid.indoxacarb [○4+5WP] ---------- 12
chlorpyrifos.acetamiprid [† ○20+1.5WP] ---------- 51
tricyclazole.acetamiprid [○3+1.5GR] ---------- 147
acibenzolar-S-methyl [○5WP] ---------- 12
acibenzolar-S-methyl.chlorothalonil [○1.42+44.5SC] ---------- 12
acibenzolar-S-methyl.mancozeb [○1+48WP] ---------- 12
acibenzolar-S-methyl.thiamethoxam [○2+0.8GR] ---------- 12
acrinathrin [○5.7SC, † ○6EC, † ○3WP] ---------- 12
acrinathrin.clofentezine [† ○3+21SC] ---------- 12
acrinathrin.spiromesifen [○6+30SC] ---------- 12
alachlor [○43.7EC, ○5GR] ---------- 12
alachlor.pendimethalin [○20+20EC] ---------- 13
alanycarb [† ○40WP] ---------- 13
alanycarb.fenpropathrin [† ○10+2EC] ---------- 13
aldicarb [† ○15GR] ---------- 13

alloxydim-sodium [† ○75SP] ---------- 13
alpha-cypermethrin [○2EC, † ●15WG, † ●13.8WG] ---------- 13
alpha-cypermethrin.chlorfenapyr [○0.7+1.5EC] ---------- 13
alpha-cypermethrin.diazinon [† ○1+25WP] ---------- 13
alpha-cypermethrin.flufenoxuron [○2+2EC] ---------- 13
alpha-cypermethrin.teflubenzuron [† ○1.5+3DC] ---------- 13
alpha-cypermethrin.triazamate [† ○1+5EC] ---------- 14
chlorpyrifos.alpha-cypermethrin [○10+1EC] ---------- 51
aluminumphosphide [○56TB] ---------- 14
ambam [† ○48SL] ---------- 14
amisulbrom [○13.5SC, ○0.5DP, ○15WP] ---------- 14
amisulbrom.cymoxanil [○11+24WG] ---------- 14
amitraz [○20EC] ---------- 14
amitraz.bifenthrin [† ○15+1.5EC] ---------- 14
amitraz.buprofezin [○12.5+12.5EC] ---------- 14
amitrole ---------- 14
amitrole.MCPA.methabenzthiazuron [† ○40+20+20WP] ---------- 14
amitrole ---------- 14
ampelomyces quisqualis AQ94013 [○1.0×10^7cfu/gSC] ---------- 15
anilazine [† ●20FU] ---------- 15
anilofos ---------- 15
anilofos.azimsulfuron.bensulfuron-methyl [○1.5+0.03+0.08GR] ---------- 15
anilofos.azimsulfuron.carfentrazone-ethyl [○1.5+0.03+0.1GR] ---------- 15
anilofos.azimsulfuron.ethoxysulfuron [○1.5+0.03+0.04GR] ---------- 15
anilofos.azimsulfuron [○1.5+0.05GR] ---------- 15
anilofos.bensulfuron-methyl [○1.5+0.17GR] ---------- 15
anilofos.carfentrazone-ethyl.pyrazosulfuron-ethyl [○1.5+0.1+0.05GR] ---------- 15
anilofos.daimuron.ethoxysulfuron [† ○1.5+1.5+0.07GR] ---------- 15
anilofos.dithiopyr [○1.2GR] ---------- 15
anilofos.imazosulfuron [○1.5+0.25GR] ---------- 16
anilofos.pendimethalin [† ○15+25EC] ---------- 16
anilofos.propanil [† ○15+25EC] ---------- 16
aramite ---------- 16
aramite.MNFA [† ○18+12EC] ---------- 16
asulam-sodium [† ○37SL, ●87.6SG, ○37SL] ---------- 16
aviglycine [aminoethoxyvinylglycine] [●15WP] ---------- 16
azadirachtin [† ●2EC, ●0.15GR] ---------- 16
azafenidin [† ●80WG] ---------- 16
azimsulfuron [○0.05GR] ---------- 17
azimsulfuron.bensulfuron-methyl.cyhalofop-butyl [○0.03+0.08+0.6GR] ---------- 17
azimsulfuron.bensulfuron-methyl.dithiopyr [† ○0.02+0.1+0.3GR] ---------- 17
azimsulfuron.bensulfuron-methyl.fentrazamide [○0.03+0.08+0.8GR] ---------- 17
azimsulfuron.bensulfuron-methyl.indanofan [○0.03+0.08+0.43GR] ---------- 17
azimsulfuron.bensulfuron-methyl.mefenacet [○0.03+0.08+3.5GR] ---------- 17
azimsulfuron.bensulfuron-methyl.molinate [† ○0.03+0.08+5GR] ---------- 17

azimsulfuron.bensulfuron-methyl.oxaziclomefone [○0.03+0.08+0.2GR] ---------- 17
azimsulfuron.bensulfuron-methyl.pretilachlor [○0.02+0.1+1GR] ---------- 17
azimsulfuron.bensulfuron-methyl.pyriftalid [○0.03+0.08+0.6GR] ---------- 17
azimsulfuron.bensulfuron-methyl.pyriminobac-methyl [○0.03+0.08+0.1GR] ---------- 17
azimsulfuron.bensulfuron-methyl.thiobencarb [○0.03+0.08+7GR] ---------- 17
azimsulfuron.bromobutide.penoxsulam [○0.05+2.5+0.07GR] ---------- 18
azimsulfuron.bromobutide.pyriminobac-methyl [○0.6+36+1.2GR] ---------- 18
azimsulfuron.butachlor.clomazone [○0.05+2.5+0.2GR] ---------- 18
azimsulfuron.cafenstrole [○2.4+60WG○0.05+1GR] ---------- 18
azimsulfuron.carfentrazone-ethyl.mefenacet [○0.04+0.1+3.5GR] ---------- 18
azimsulfuron.carfentrazone-ethyl.metamifop [○0.05+0.25+0.3GR] ---------- 18
azimsulfuron.carfentrazone-ethyl.pyriminobac-methyl [○0.03+0.15+0.1GR, ○0.3+1.5+0.6UG] ---- 18
azimsulfuron.carfentrazone-ethyl [○0.05+0.15GR] ---------- 18
azimsulfuron.cyhalofop-butyl.molinate [† ○0.05+0.6+3GR] ---------- 18
azimsulfuron.cyhalofop-butyl.pretilachlor [○0.05+0.6+1GR] ---------- 18
azimsulfuron.cyhalofop-butyl.propanil [† ○0.3+6+8WP] ---------- 18
azimsulfuron.esprocarb [† ○0.05+7GR] ---------- 18
azimsulfuron.fentrazamide [○0.3+4.8GR] ---------- 18
azimsulfuron.flucetosulfuron [○0.05+0.05GR, ○0.3+0.4DT] ---------- 19
azimsulfuron.indanofan [○0.05+0.4GR] ---------- 19
azimsulfuron.mefenacet [† ○0.15+10.5GR, † ○0.05+3GR] ---------- 19
azimsulfuron.mefenacet.simetryn [○0.05+3.5+0.5GR] ---------- 19
azimsulfuron.molinate [† ○0.075+7.5UG, ○0.05+7GR] ---------- 19
azimsulfuron.oxaziclomefone [○0.05+0.2GR] ---------- 19
azimsulfuron.penoxsulam [○1.8+4.8WG, ○0.04+0.08GR, ○5+8WP] ---------- 19
azimsulfuron.penoxulam.simetryn [○0.05+0.07+0.3GR] ---------- 19
azimsulfuron.pyriminobac-methyl [○4+10WG, ○0.6+1.2GR, ○0.05+0.1GR] ---------- 19
azimsulfuron.thiobencarb [○0.05+7GR] ---------- 19
anilofos.azimsulfuron.bensulfuron-methyl [○1.5+0.03+0.08GR] ---------- 15
anilofos.azimsulfuron.carfentrazone-ethyl [○1.5+0.03+0.1GR] ---------- 15
anilofos.azimsulfuron.ethoxysulfuron [○1.5+0.03+0.04GR] ---------- 15
anilofos.azimsulfuron [○1.5+0.05GR] ---------- 15
azinphos-methyl [○25WP] ---------- 20
azocyclotin [○25WP○28SC] ---------- 20
azocyclotin.chlorfenapyr [○20+6SC] ---------- 20
azocyclotin.pyridaben [○13+13WP] ---------- 20
azoxystrobin [○10WP, ●20SC, ●50WG, ●47WG] ---------- 20
azoxystrobin.chlorothalonil [○4.8+40SC] ---------- 20
azoxystrobin.cyproconazole [●17.3+6.7SC] ---------- 20
azoxystrobin.difenoconazole [○17+10.7SC] ---------- 20
azoxystrobin.fipronil [○6+0.6GR] ---------- 20
azoxystrobin.propiconazol [●6.5+11.2SE] ---------- 20
B.t.subsp.aizawai [●35, 000DBMU/㎎WG, ●8.5BIU/㎏SC] ---------- 21
B.t.subsp.aizawai NT0423 [○1×10^9cfu/gWP, ○5×10^8cfu/mlSC] ---------- 21
B.t.subsp.kurstaki [●10SC, † ●15WG, ●64BIU/kgWG] ---------- 21

B.t.var.kurstaki [○16BIU/㎏WP] ---------- 21
BacillusamyloliquefaciensKBC1121 [○1×10^6cfu/gWP] ---------- 21
Bacillus pumilus QST2808 [●1×10^9cfu/gSC] ---------- 21
Bacillus substilis DBB1501 [○1.0×10^6cfu/gGR, ○1.0×10^9cfu/gWP] ---------- 22
Bacillus subtilis CJ-9 [○1.0×10^7cfu/mlSM] ---------- 21
Bacillus subtilis GB-0365 [○1×10^7cfu/㎖SC, ○3×10^7cfu/gWP] ---------- 22
Bacillus subtilis JKK238 [○5.0×10^7cfu/㎖SX] ---------- 22
Bacillus subtilis KB401 [○2.0×10^7cfu/mlXX] ---------- 22
Bacillus subtilis KBC1010 [○1.0×10^5cfu/gWP] ---------- 22
Bacillus subtilis QST713 [●5.0×10^9cfu/gWP, ●1.0×10^9cfu/gSC] ---------- 22
Bacillus subtilis Y1336 [●1.0×10^9cfu/g] ---------- 22
Bacillus thuringiensis subsp.aizawai GB413 [○1×10^7cfu/mlSC] ---------- 22
Bacillus thuringiensis teflubenzuron [† ○10BIU/kg+3%WP] ---------- 23
Bacillus thuringiensis subsp.aizawaiGB413 [○1×10^7cfu/mlSC] ---------- 22
Beauveria bassiana GHA [●1.0×10^8cfu/ml XX] ---------- 23
Beauveria bassiana TBI-1 [●1.0×10^6cfu/g ST] ---------- 23
benalaxyl [† ○25WP] ---------- 23
benalaxyl-M.ethaboxam [○7+8SC] ---------- 23
benalaxyl-M---------- 23
bendiocarb [† ○5GR] ---------- 23
benfluralin.isoxaben [○50+4.5WP] ---------- 23
benfluralin [○25EC] ---------- 23
benfuracarb [○30EC, † ○5GR, ○3GR, † ●30CS, ○30WG] ---------- 24
benfuracarb.fenpropathrin [○5+2.2EC, ○5+2WP] ---------- 24
acephate.benfuracarb [○10+5WP] ---------- 11
tiadinil.benfuracarb [○6+3.6GR] ---------- 145
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benfuresate.bifenox [○1.5+5GR] ---------- 24
benfuresate.bensulfuron [○1.5+0.1GR] ---------- 24
benfuresate.bensulfuron.dimepiperate [† ○1.5+0.1+5GR] ---------- 24
benfuresate.ethoxysulfuron.molinate [† ○1.2+0.07+5GR] ---------- 24
benfuresate.halosulfuron-methyl.indanofan [○1.3+0.18+0.4GR] ---------- 24
benfuresate.imazosulfuron.mefenacet [○1+0.23+3GR] ---------- 24
benomyl [○50WP] ---------- 25
benomyl.chlorothalonil [○20+50WP] ---------- 25
benomyl.copperoxychloride.metalaxyl [† ○15+25+6.5WP] ---------- 25
benomyl.thiram [○20+20WP] ---------- 25
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bensulfuron-methyl.butachlor [○0.17+2.5GR] ---------- 25
bensulfuron-methyl.carfentrazone-ethyl.thiobencarb [○0.17+0.15+7GR] ---------- 25
bensulfuron-methyl.cyhalofop-butyl.pretilachlor [† ○0.13+0.6+1GR] ---------- 25
bensulfuron-methyl.daimuron.mefenacet.urea [† ○0.078+0.9+2.1GR] ---------- 25
bensulfuron-methyl.daimuron.mefenacet [† ○0.13+1.5+3.5GR] ---------- 25
bensulfuron-methyl.daimuron.pretilachlor [† ○0.13+1+1.5GR] ---------- 25
bensulfuron-methyl.dimepiperate [† ○0.13+7GR] ---------- 25

bensulfuron-methyl.dithiopyr [○0.13+0.4GR] ---------- 26
bensulfuron-methyl.esprocarb [† ○0.13+5GR] ---------- 26
bensulfuron-methyl.fentrazamide [○0.17+0.7GR, ○1+6SC] ---------- 26
bensulfuron-methyl.indanofan [○1+2.4SC] ---------- 26
bensulfuron-methyl.mefenacet.oxadiargyl [○1.0+20+0.6SC] ---------- 26
bensulfuron-methyl.mefenacet.thiobencarb [○0.17+1.5+5GR] ---------- 26
bensulfuron-methyl.mefenacet [† ○0.17+2.5GR, ○0.13+2.5GR, ○1.02+21SC] ---------- 26
bensulfuron-methyl.mesotrione.pretilachlor.pyriftalid [† ○0.51+0.9+4.5+1.2GR, ○0.17+0.3+1.5+0.4GR] ---------- 26
bensulfuron-methyl.molinate [† ○0.17+5GR] ---------- 26
bensulfuron-methyl.oxadiazon [○0.13+0.8GR] ---------- 26
bensulfuron-methyl.penoxulam [○1.02+0.48SC] ---------- 26
bensulfuron-methyl.pretilachlor [○0.17+1GR, † ○0.13+1GR] ---------- 27
bensulfuron-methyl.pretilachlor.pyriftalid [○1.4+11.5+2.9SC] ---------- 27
bensulfuron-methyl.pyributicarb [† ○0.13+3GR○0.8+11.4SC] ---------- 27
bensulfuron-methyl.pyriminobac-methyl [○1+0.6SC, ○0.17+0.1GR] ---------- 27
bensulfuron-methyl.quinclorac [† ○0.17+1GR] ---------- 27
bensulfuron-methyl.thiobencarb [† ○0.13+5GR, ○0.17+7GR] ---------- 27
anilofos.azimsulfuron.bensulfuron-methyl [○1.5+0.03+0.08GR] ---------- 15
anilofos.bensulfuron-methyl [○1.5+0.17GR] ---------- 15
azimsulfuron.bensulfuron-methyl.cyhalofop-butyl [○0.03+0.08+0.6GR] ---------- 17
azimsulfuron.bensulfuron-methyl.dithiopyr [† ○0.02+0.1+0.3GR] ---------- 17
azimsulfuron.bensulfuron-methyl.fentrazamide [○0.03+0.08+0.8GR] ---------- 17
azimsulfuron.bensulfuron-methyl.indanofan [○0.03+0.08+0.43GR] ---------- 17
azimsulfuron.bensulfuron-methyl.mefenacet [○0.03+0.08+3.5GR] ---------- 17
azimsulfuron.bensulfuron-methyl.molinate [† ○0.03+0.08+5GR] ---------- 17
azimsulfuron.bensulfuron-methyl.oxaziclomefone [○0.03+0.08+0.2GR] ---------- 17
azimsulfuron.bensulfuron-methyl.pretilachlor [○0.02+0.1+1GR] ---------- 17
azimsulfuron.bensulfuron-methyl.pyriftalid [○0.03+0.08+0.6GR] ---------- 17
azimsulfuron.bensulfuron-methyl.pyriminobac-methyl [○0.03+0.08+0.1GR] ---------- 17
azimsulfuron.bensulfuron-methyl.thiobencarb [○0.03+0.08+7GR] ---------- 17
benfuresate.bensulfuron.dimepiperate [† ○1.5+0.1+5GR] ---------- 24
benfuresate.bensulfuron [○1.5+0.1GR] ---------- 24
bensulide [† ○50EC] ---------- 27
bensultap [○50WP, † ○25EC, † ○4GR,] ---------- 27
bensultap.clothianidin [○50+1WP] ---------- 27
bentazone [† ○10GR, ○40SL] ---------- 28
bentazone.cyhalofop-butyl [○16.5+3ME] ---------- 28
bentazone.fenoxaprop-P-ethyl [† ○0.6+30DC] ---------- 28
bentazone.MCPA [○31+4.6SL] ---------- 28
bentazone.mecoprop-P [○25+3.75SL] ---------- 28
bentazone.metamifop [○16+1ME] ---------- 28
bentazone.quinclorac [† ○10+1GR, † ○40+10WP] ---------- 28
bentazone-sodium.fenoxaprop-P-ethyl [○30+1ME] ---------- 28
benthiavalicarb-isopropyl ---------- 28
benthiavalicarb-isopropyl.chlorothalonil [○1.75+50WG] ---------- 28

benthiavalicarb-isopropyl.copper oxychloride [○3.5+35WP] ---------- 28
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benzobicyclon.cafenstrole.pyrazosulfuron-ethyl [○0.6+0.8+0.07GR] ---------- 29
benzobicyclon.fentrazamide [○3+2.5SC] ---------- 29
benzobicyclon.flucetosulfuron.halosulfuron-methyl [○3+0.4+1.08DT] ---------- 29
benzobicyclon.flucetosulfuron [○3.5+0.42DT] ---------- 29
benzobicyclon.Imazosulfuron.mefenacet [○3+1.5+20SC] ---------- 29
benzobicyclon.imazosulfuron.penoxsulam [○3.5+1.5+0.42SC] ---------- 29
benzobicyclon.imazosulfuron.pyriminobac-methyl [○4.0+1.5+0.6SC] ---------- 29
benzobicyclon.mefenacet.penoxsulam [○3.0+18+0.5SC] ---------- 29
benzobicyclon.oxaziclomefone [○3+0.5SC] ---------- 29
benzobicyclon.penoxsulam.pyrazosulfuron-ethyl [○0.7+0.08+0.07GR] ---------- 29
benzobicyclon.penoxulam [○3+0.48SC] ---------- 29
benzobicyclon.pretilachlor [○3+9SE] ---------- 30
benzobicyclon.thiobencarb [○2.5+30SE] ---------- 30
benzoximate [○20EC] ---------- 30
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beta-cyfluthrin [○2.5EC] ---------- 30
bialanafos [† ○20SP] ---------- 30
bifenazate [○23.5SC] ---------- 30
bifenazate.etoxazole [○18+5SC] ---------- 30
bifenazate.spiromesifen [○18+10SC] ---------- 30
benfuresate.bifenox [○1.5+5GR] ---------- 24
bifenox [○7GR] ---------- 30
bifenox.pendimethalin [○15+25EC] ---------- 31
bifenox.perfluidone [† ○3.5+2.5GR] ---------- 31
bifenthrin [○2WP, ○1EC, ●1EC, ○4FW, ○8WG, ○0.003ME, ○10EW○0.2GR] ---------- 31
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bifenthrin.cadusafos [○0.1+2.5GR] ---------- 31
bifenthrin.chlorfenapyr [○1+2WP] ---------- 31
bifenthrin.cyhexatin [○1.5+15] ---------- 31
bifenthrin.fluacrypyrim [○1.5+9SC] ---------- 31
bifenthrin.hexythiazox [† ○1.5+4.5WP] ---------- 32
bifenthrin.imidacloprid [○2+8WP] ---------- 31
bifenthrin.indoxacarb [○1+2.5WP] ---------- 31
bifenthrin.methoxyfenozide [○2+8SC] ---------- 32
bifenthrin.profenofos [† ○1+15EC] ---------- 32
bifenthrin.pyridaben [○1.5+15SC] ---------- 32
bifenthrin.pyrimidifen [○1+2WP] ---------- 32
acephate.bifenthrin [† ○25+1WP] ---------- 11
acephate.bifenthrin [† ○25+1WP] ---------- 11
acetamiprid.bifenthrin [† ○2+1.5WP] ---------- 11
amitraz.bifenthrin [† ○15+1.5EC] ---------- 14
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chlorpyrifos.bifenthrin [○15+1.2WP] ---------- 51

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bromobutide.imazosulfuron.metamifop [○3+0.25+0.3GR] ---------- 34
bromobutide.imazosulfuron.pyriminobac-methyl [○18+1.5+0.6SC, ○36+3+1.2GR] ---------- 34
bromobutide.oxadiazone [○10+10EC] ---------- 34
bromobutide.pyrazosulfuron-ethyl.pyriminobac-methyl [○3+0.07+0.1GR, ○36+0.84+1.2GR] ------ 34
bromobutide.thiobencarb [○4+20SE] ---------- 34
azimsulfuron.bromobutide.penoxsulam [○0.05+2.5+0.07GR] ---------- 18
azimsulfuron.bromobutide.pyriminobac-methyl [○0.6+36+1.2GR] ---------- 18
bromopropylate [† ○45EC] ---------- 35
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buprofezin.clothianidin [○10+3SC] ---------- 35
buprofezin.dinotefuran [○20+15WP] ---------- 35
buprofezin.etofenprox [○8+5WP, ○15+8WG] ---------- 35
buprofezin.fenobucarb [○1+2DP, † ○0.5+2MG, ○5+20WP, † ○0.5+2DL] ---------- 35
buprofezin.furathiocarb [† ○20+8WP] ---------- 35
buprofezin.imidacloprid [○0.5+1.5GR] ---------- 35
buprofezin.isoprocarb [○0.5+2MG, ○5+20WP, ○0.5+2DL, ○1+2DP] ---------- 35
buprofezin.methoxyfenozide [○11+4WP] ---------- 35
buprofezin.metolcarb [† ○1+2DP] ---------- 36
buprofezin.silafluofen [† ○8+5WP] ---------- 36
buprofezin.tebufenozide [○12+5WP] ---------- 36
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amitraz.buprofezin [○12.5+12.5EC] ---------- 14
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butachlor.chlomethoxyfen [† ○3+6GR] ---------- 36
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butachlor.ethoxysulfuron [○3+0.08GR] ---------- 36
butachlor.naproanilide [† ○4+6GR] ---------- 37
butachlor.propanil [† ○25+25EC] ---------- 37
butachlor.pyrazolate [○3.5+6GR, † ○4+4GR] ---------- 37
butachlor.pyrazosulfuron-ethyl [○2.5+0.07GR] ---------- 37
butachlor.pyrazoxyfen [† ○3.5+6GR] ---------- 37
butachlor.quinoclamine [○3.3+4GR] ---------- 37
azimsulfuron.butachlor.clomazone [○0.05+2.5+0.2GR] ---------- 18
bensulfuron-methyl.butachlor [○0.17+2.5GR] ---------- 25
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butafenacil.glyphosate [† ○3.6+14.4SC] ---------- 37
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cadusafos [○6GR, ○3GR, ●18.9CS,] ---------- 38
cadusafos.carbosulfan [○2.5+0.75GR] ---------- 38
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bifenthrin.cadusafos [○0.1+2.5GR] ---------- 31
cafenstrole [○40SC] ---------- 38
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azimsulfuron.cafenstrole [○2.4+60WG○0.05+1GR] ---------- 18
benzobicyclon.cafenstrole.pyrazosulfuron-ethyl [○0.6+0.8+0.07GR] ---------- 29
calcium carbonate [○95WP] ---------- 38
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captafol.deltamethrin.metalaxyl [† ○40+7.5+0.5WP] ---------- 39
captafol.metalaxyl [† ○40+7.5WP] ---------- 39
captafol.oxadixyl.lambdacyhalothrin [† ○40+7.5+0.5WP] ---------- 39
captafol.oxadixyl [† ○40+7.5WP] ---------- 39
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captan.polyoxinB [○60+5WP] ---------- 40
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carbaryl.fenobucarb [† ○1.5+1.5DP] ---------- 40
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carbendazim.bifenthrin [† ○2+60WP] ---------- 40
carbendazim.diethofencarb [○25+25WP] ---------- 40
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carbendazim.hexaconazole [○50+1WP] ---------- 41
carbendazim.imibenconazole [○50+7WP] ---------- 41
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carbendazim.metalaxyl [○45+17.5WP] ---------- 41
carbendazim.metalaxyl-M [○45+9WP] ---------- 41
carbendazim.myclobutanil [○40+3SC] ---------- 41
carbendazim.nuarimol [○20+1.5SC] ---------- 41
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probenazole.thifluzamide.carbosulfan [○3.6+3.0+3.5GR] ---------- 129
tiadinil.carbosulfan [○6+3.5GR] ---------- 145
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carfentrazone-ethyl.cyclosulfamuron.pyriminobac-methyl [○0.25+0.17+0.1GR] ---------- 43
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carfentrazone-ethyl.imazosulfuron.mefenacet [○1+0.07G, ○0.6+1.5+21SE] ---------- 44
carfentrazone-ethyl.imazosulfuron.penoxulam [○0.1+0.25+0.08GR] ---------- 44
carfentrazone-ethyl.imazosulfuron.pyriminobac-methyl [○0.25+0.25+0.1GR] ---------- 44
carfentrazone-ethyl.mefenacet.pyrazosulfuron-ethyl [○0.1+3.5+0.05GR] ---------- 44
carfentrazone-ethyl.metamifop.pyrazosulfuron-ethyl [○0.25+0.3+0.07GR] ---------- 44
carfentrazone-ethyl.penoxsulam.pyrazosulfuron-ethyl [○0.15+0.08+0.07GR] ---------- 44
carfentrazone-ethyl.penoxsulam [○0.25+0.08GR] ---------- 44
carfentrazone-ethyl.pretilachlor.pyrazosulfuron-ethyl [○0.1+1+0.07GR] ---------- 44
carfentrazone-ethyl.pyrazosulfuron-ethyl.pyriminobac-methyl [○0.25+0.07+0.1GR] ---------- 44
carfentrazone-ethyl.thiobencarb [○0.25+7GR] ---------- 44
anilofos.azimsulfuron.carfentrazone-ethyl [○1.5+0.03+0.1GR] ---------- 15
anilofos.carfentrazone-ethyl.pyrazosulfuron-ethyl [○1.5+0.1+0.05GR] ---------- 15
azimsulfuron.carfentrazone-ethyl.mefenacet [○0.04+0.1+3.5GR] ---------- 18
azimsulfuron.carfentrazone-ethyl.metamifop [○0.05+0.25+0.3GR] ---------- 18
azimsulfuron.carfentrazone-ethyl.pyriminobac-methyl [○0.03+0.15+0.1GR○0.3+1.5+0.6UG] ---- 18
azimsulfuron.carfentrazone-ethyl [○0.05+0.15GR] ---------- 18
bensulfuron-methyl.carfentrazone-ethyl.thiobencarb [○0.17+0.15+7GR] ---------- 25
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chlorfenapyr.fluacrypyrim [○4+18WP, ○4+18SC] ---------- 47
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chlorfenapyr.pyridaben [○3+10SC] ---------- 47
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acetamiprid.chlorfenapyr [○2.5+3WP] ---------- 11
alpha-cypermethrin.chlorfenapyr [○0.7+1.5EC] ---------- 13
azocyclotin.chlorfenapyr [○20+6SC] ---------- 20
bifenthrin.chlorfenapyr [○1+2WP] ---------- 31
chlorfenson [† ○50WP] ---------- 47
chlorfenson.dichlorvos [† ○15+40EC] ---------- 47
chlorfenvinphos [† ○24EC, † ○1.5DP] ---------- 47
chlorfluazuron [○5EC, ●10SC] ---------- 47
chlormequatchloride [† ○42.4SL] ---------- 47
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chlornitrofen [† ○20EC, † ○7GR, † ○9GR, † ○50WP] ---------- 48
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chloropicrin.methylbromide [† ●14+32GA] ---------- 48
1, 3-dichloropropene+chloropicrin [† ○74+16.5GA] ---------- 9
chlorothalonil [○75WP, † ○40SC, ○53SC, ○82.5WG, ○10DP] ---------- 48
chlorothalonil.coppersulfatebasic [○30+35Cu로서WP] ---------- 48
chlorothalonil.cyazofami [●40.3.2SC] ---------- 48
chlorothalonil.cymoxanil [●60+6WG] ---------- 48
chlorothalonil.deltamethrin [† ○50+0.5WP] ---------- 49
chlorothalonil.difenoconazole [○20+4SC, ○20+4WG] ---------- 49
chlorothalonil.dimethomorph [○65+10WP] ---------- 49
chlorothalonil.kasugamycin [○30+5SC] ---------- 49
chlorothalonil.kresoxim-methyl [○35+7SC] ---------- 49
chlorothalonil.mancozeb [○40+35WP] ---------- 49
chlorothalonil.mandipropamid [●31.5+3SC] ---------- 49
chlorothalonil.metalaxyl-M [○31.5+3SC] ---------- 49
chlorothalonil.myclobutanil [○55+2WP] ---------- 49
chlorothalonil.oxadixyl.lambda-cyhalothrin [† ○40+7.5+0.5WP] ---------- 49
chlorothalonil.oxadixyl [○60+7.5WP] ---------- 49
chlorothalonil.oxine-copper [○40+20WP] ---------- 49
chlorothalonil.penconazole [† ○60+2WP] ---------- 50
chlorothalonil.propamocarbhydrochloride [○31+31SC] ---------- 50

chlorothalonil.propineb [○35+30WP] ---------- 50
chlorothalonil.pyrimethanil [○31+12.4SC] ---------- 50
chlorothalonil.streptomycin [○50+5WP] ---------- 50
chlorothalonil.tebuconazole [○27+23WP] ---------- 50
chlorothalonil.tricyclazole [○50+8WP] ---------- 50
chlorothalonil.trifloxystrobin [○30+5SC] ---------- 50
acibenzolar-S-methyl.chlorothalonil [○1.42+44.5SC] ---------- 12
azoxystrobin.chlorothalonil [○4.8+40SC] ---------- 20
benomyl.chlorothalonil [○20+50WP] ---------- 25
benthiavalicarb-isopropyl.chlorothalonil [○1.75+50WG] ---------- 28
chlorpropham [○45.8EC] ---------- 50
chlorpyrifos [○25WP, † ○2DP, ○2GR, ○20EC, ●72WG, ●21ME,] ---------- 50
chlorpyrifos.acetamiprid [† ○20+1.5WP] ---------- 51
chlorpyrifos.alpha-cypermethrin [○10+1EC] ---------- 51
chlorpyrifos.bifenthrin [○15+1.2WP] ---------- 51
chlorpyrifos.cypermethrin [○10+2.5EC] ---------- 51
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chlorpyrifos.imidacloprid [○15+2.5WP] ---------- 51
chlorpyrifos.lambda-cyhalothrin [† ○10+0.5WP] ---------- 51
chlorpyrifos-methyl [○25EC, † ○3GR, † ○5GR, ○20SO] ---------- 51
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cinosulfuron.cyhalofop-butyl.propanil [† ○0.5+6+5WG] ---------- 52
cinosulfuron.daimuron.mefenacet [† ○0.08+1.5+3.5GR] ---------- 52
cinosulfuron.molinate.simetryn [† ○0.08+7+0.3GR] ---------- 52
cinosulfuron.molinate [† ○0.08+5GR] ---------- 52
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clethodim [† ○25EC, ○12.5EC] ---------- 52
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acrinathrin.clofentezine [† ○3+21SC] ---------- 12
clomazone [† ○47.1EC, ○2GR] ---------- 52
clomazone.pentoxazone [○2.5+5EC] ---------- 53
clomazone.pretilachlor [○1.6+14EC] ---------- 53
azimsulfuron.butachlor.clomazone [○0.05+2.5+0.2GR] ---------- 18
butachlor.clomazone [○20+1.6EC] ---------- 36
carfentrazone-ethyl.clomazone [○0.25+0.21GR] ---------- 43
clothianidin [○8SG, ○8WP, ○1GR, ○8SC, ○0.5GR, ○21WS, ○20SL○1.8GR] ---------- 53
clothianidin.methoxyfenozide [○7+8SC] ---------- 53
clothianidin.pyridalyl [○8+16SC] ---------- 53
bensultap.clothianidin [○50+1WP] ---------- 27
buprofezin.clothianidin [○10+3SC] ---------- 35

cadusafos.clothianidin [○6+0.9GR] ---------- 38
chlorfenapyr.clothianidin [○2.5+3EC, ○6+6SC] ---------- 46
orysastrobin.clothianidin [○3.5+0.5GR] ---------- 119
probenazole.clothianidin [○3.6+0.5GR] ---------- 128
thifluzamide.tiadinil.clothianidin [○3+6+0.5GR] ---------- 143
tiadinil.clothianidin [○6+0.5GR] ---------- 145
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copper hydroxide.oxadixyl [○62+8WP] ---------- 53
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copper oxychloride.cymoxanil [† ○30+12WP] ---------- 54
copper oxychloride.dimethomorph [○35+15WP] ---------- 54
copper oxychloride.dithianon [○42+13WP] ---------- 54
copper oxychloride.fosetyl-aluminium [† ○42+25WP] ---------- 54
copper oxychloride.iprovalicarb [○58.8Cu35)+12WP] ---------- 54
copper oxychloride.kasugamycin [○45+5.75WP] ---------- 54
copper oxychloride.metalaxyl [○35+15WP, ○4.7+2GR] ---------- 54
copper oxychloride.metalaxyl-M [○35+7.5WP, ○4.7+1GR] ---------- 54
benomyl.copper oxychloride.metalaxyl [† ○15+25+6.5WP] ---------- 25
benthiavalicarb-isopropyl.copper oxychloride [○3.5+35WP] ---------- 28
copper sulfate anhydrate ---------- 54
copper sulfate anhydrate.sodium hydrogen-carbonate [† ●30+46WP] ---------- 54
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chlorothalonil.copper sulfatebasic [○30+35Cu로서WP] ---------- 48
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cyclosulfamuron.cyhalofop-butyl.pretilachlor [† ○0.2+0.6+1.5GR] ---------- 55
cyclosulfamuron.dithiopyr [○0.2+0.3GR] ---------- 55
cyclosulfamuron.fentrazamide [○0.17+0.7GR, ○1+5SO, ○1.2+6SC,] ---------- 56
cyclosulfamuron.mefenacet [○1.2+21SC, ○0.17+1.5GR] ---------- 56
cyclosulfamuron.molinate [† ○0.2+7GR] ---------- 56
cyclosulfamuron.pendimethalin [○0.2+2.5GR] ---------- 56
cyclosulfamuron.penoxsulam [○1.2+0.48SC] ---------- 56
cyclosulfamuron.pentoxazone [○0.15+0.7GR] ---------- 56
cyclosulfamuron.pretilachlor [○0.17+1.5GR] ---------- 56
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butachlor.cyclosulfamuron [○2.5+0.15GR] ---------- 36
carfentrazone-ethyl.cyclosulfamuron.pyriminobac-methyl [○0.25+0.17+0.1GR] ---------- 43

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cyflufenamid.difenoconazole [○1.5+10SC] ---------- 56
cyflufenamid.hexaconazole [○3.5+1SC, ○1.5+10SC] ---------- 56
cyflufenamid.triflumizole [○1.5+8EC, ●2+10FU] ---------- 57
cyflumetofen [○20SC] ---------- 57
cyfluthrin [† ○5SL, ○2EC, ○5WP,] ---------- 57
cyfluthrin.tebupirimfos [○0.1+2GR] ---------- 57
cyhalofop-butyl [○5EC] ---------- 57
cyhalofop-butyl.dithiopyr.pyrazosulfuron-ethyl [○0.6+0.2+0.07GR] ---------- 57
cyhalofop-butyl.ethoxysulfuron [† ○0.6+0.1GR] ---------- 57
cyhalofop-butyl.imazosulfuron.pretilachlor [○0.6+0.25+1GR, ○3.6+1.5+6SE] ---------- 57
cyhalofop-butyl.imazosulfuron [† ○1.8+0.75GR] ---------- 57
cyhalofop-butyl.pendimethalin [○4.8+25EC] ---------- 57
cyhalofop-butyl.pretilachlor.pyrazosulfuron-ethyl [† ○1.8+3+0.21FG] ---------- 58
cyhalofop-butyl.pyrazosulfuron-ethyl.simetryn [○0.6+0.07+0.3GR] ---------- 58
cyhalofop-butyl.pyrazosulfuron-ethyl [○3.6+0.42UG] ---------- 58
azimsulfuron.bensulfuron-methyl.cyhalofop-butyl [○0.03+0.08+0.6GR] ---------- 17
azimsulfuron.cyhalofop-butyl.molinate [† ○0.05+0.6+3GR] ---------- 18
azimsulfuron.cyhalofop-butyl.pretilachlor [○0.05+0.6+1GR] ---------- 18
azimsulfuron.cyhalofop-butyl.propanil [† ○0.3+6+8WP] ---------- 18
bensulfuron-methyl.cyhalofop-butyl.pretilachlor [† ○0.13+0.6+1GR] ---------- 25
bentazone.cyhalofop-butyl [○16.5+3ME] ---------- 28
cinosulfuron.cyhalofop-butyl.propanil [† ○0.5+6+5WG] ---------- 52
cyclosulfamuron.cyhalofop-butyl.pretilachlor [† ○0.2+0.6+1.5GR] ---------- 55
cyhexatin [† ○25WP, ○25WP] ---------- 58
cyhexatin.tetradifon [† ○15+8WP] ---------- 58
benzoximate.cyhexatin [† ○11+11WP] ---------- 30
bifenthrin.cyhexatin [○1.5+15] ---------- 31
cymoxanil ---------- 58
cymoxamil.tribasic copper sulfate [† ○6+10SC] ---------- 58
cymoxanil.ethaboxam [○12+7WP] ---------- 58
cymoxanil.famoxadone [●30+22.5WG, ○24+18WP, ○12+9SC] ---------- 58
cymoxanil.fenamidone [○12+5WP] ---------- 58
cymoxanil.mancozeb [○6+50WP] ---------- 58
cymoxanil.zoxamide [○12+10WP] ---------- 59
amisulbrom.cymoxanil [○11+24WG] ---------- 14
chlorothalonil.cymoxanil [●60+6WG] ---------- 49
cypermethrin [○5EC] ---------- 59
cypermethrin.mecarbam [† ○2+20EC] ---------- 59
cypermethrin.phosalone [† ○2+25EC] ---------- 59
cypermethrin.pirimiphos-methyl [○2.5+25EC] ---------- 59
cypermethrin.tebupirimfos [○0.2+2GR] ---------- 59
cypermethrin.vamidothion [† ○3+12EC] ---------- 59
chlorpyrifos.cypermethrin [○10+2.5EC] ---------- 51

cyproconazole [○4.5SL, ○38WG] ---------- 59
azoxystrobin.cyproconazole [●17.3+6.7SC] ---------- 20
cyprodinil [○50WG, ●48.5WG] ---------- 59
cyprodinil.fludioxonil [○37.5+25WG, ●35.5+23.6WG] ---------- 60
cyromazine [○75WP] ---------- 60
daimuron ---------- 60
daimuron.ethoxysulfuron.pretilachlor [† ○1.5+0.07+1+GR] ---------- 60
daimuron.imazosulfuron.mefenacet [○2+0.25+3.5GR] ---------- 60
daimuron.imazosulfuron.oxaziclomefone [○9+1.5+1SC] ---------- 60
daimuron.mefenacet.pyrazosulfuron-ethyl [○1.5+3.5+0.07GR] ---------- 60
daimuron.molinate.pyrazosulfuron-ethyl [† ○4.5+15+0.21GR] ---------- 60
anilofos.daimuron.ethoxysulfuron [† ○1.5+1.5+0.07GR] ---------- 15
bensulfuron-methyl.daimuron.mefenacet.urea [† ○0.078+0.9+2.1GR] ---------- 25
bensulfuron-methyl.daimuron.mefenacet [† ○0.13+1.5+3.5GR] ---------- 25
bensulfuron-methyl.daimuron.pretilachlor [† ○0.13+1+1.5GR] ---------- 25
cinosulfuron.daimuron.mefenacet [† ○0.08+1.5+3.5GR] ---------- 52
daminozide [○85WP] ---------- 60
dazomet [† ○85DP, ●98GR] ---------- 60
DBEDC [○20EC, ●0.04AL] ---------- 61
decylalcohol [† ○78.4EC, ●78EC] ---------- 61
butralin.decylalcohol [●8+48EC] ---------- 37
deltamethrin [○1EC, ○0.75SC, ○2.7EW, † ●25TB, ○1WP, ●23.5TB,] ---------- 61
deltamethrin.dichlorvos [○0.6+15EC] ---------- 61
deltamethrin.phosalone [† ○1+20EC] ---------- 61
deltamethrin.profenofos [○0.6+15EC] ---------- 61
deltamethrin.pyraclofos [○1+18EC] ---------- 61
captafol.deltamethrin.metalaxyl [† ○40+7.5+0.5WP] ---------- 39
chlorothalonil.deltamethrin [† ○50+0.5WP] ---------- 49
demetonS-methyl [○25EC] ---------- 61
diafenthiuron [† ○50WP, † ○25SC] ---------- 62
diafenthiuron.furathiocarb [† ○25+7WP] ---------- 62
diafenthiuron.tebufenpyrad [† ○20+2.5WP] ---------- 62
dialifos [† ○40EC] ---------- 62
diazinon [○34EC, ○3GR, ○2DP, † ○34WP, † ○10FU, ●53EW] ---------- 62
diazinon.ethoprophos [† ○2+2GR] ---------- 62
diazinon.etofenprox [† ○8+20EC, † ○0.5+2DP, ○25+8WP, ○3+0.5GR] ---------- 62
diazinon.fenobucarb [○3+3GR] ---------- 62
diazinon.phorate [○2.5+2.5GR] ---------- 62
diazinon.quinalphos [† ○2+2GR] ---------- 63
alpha-cypermethrin.diazinon [† ○1+25WP] ---------- 13
dicamba [○48.2SL] ---------- 63
2, 4-D.dicamba [† ○31.2+15.5SL] ---------- 9
dichlobenil [○6.7GR] ---------- 63
dichlobenil.imazaquin [○3.5+1GR] ---------- 63
dichlofluanid [○50WP, ○40FW, † ○40WF] ---------- 63

dichlofluanid.bifenthrin [○30+2FW] ---------- 63
dichlofluanid.tebuconazole [† ○50+13WP] ---------- 63
dichlorprop triethanol amine [●4.5SL] ---------- 63
dichlorvos [○50EC, † ○30g/100gFU, † ●16GA, † ○10FU] ---------- 64
dichlorvos.etofenprox [† ○9+6FU, ○20+10EC] ---------- 64
dichlorvos.hexythiazox [† ●17+5FU] ---------- 64
dichlorvos.phosalone [† ○40+20EC] ---------- 64
dichlorvos.pirimicarb [† ○32+8EC] ---------- 64
chlorfenson.dichlorvos [† ○15+40EC] ---------- 47
deltamethrin.dichlorvos [○0.6+15EC] ---------- 61
diclomezine [○1.2DP] ---------- 64
dicofol [○42EC, ○35WP] ---------- 64
dicofol.hexythiazox [† ○20+5EC] ---------- 64
diethofencarb ---------- 64
diethofencarb.thiophanate-methyl [○25+30WP] ---------- 65
carbendazim.diethofencarb [○25+25WP] ---------- 40
procymidone.diethofencarb [○37.5+12.5WP, ○18+12FW,] ---------- 130
difenoconazole [○10WP, ○10EC, ○10WG, ○10SC, ○20EC, † ○5DC, ○8ME○5EW] ---------- 65
difenoconazole.fenazaquin [† ○8+12EC] ---------- 65
difenoconazole.fluazinam [○47WP] ---------- 65
difenoconazole.iminoctadinetriacetate [○3+15ME] ---------- 65
difenoconazole.polyoxinD [○4+2.5WP] ---------- 65
difenoconazole.propiconazole [○13+13EC] ---------- 65
difenoconazole.thiophanate-methyl [○5+35WP, ○4+20SC] ---------- 65
difenoconazole.triflumizole [○2.5+5ME] ---------- 65
azoxystrobin.difenoconazole [○17+10.7SC] ---------- 20
carbendazim.difenoconazole [○20+4SC] ---------- 40
chlorothalonil.difenoconazole [○20+4SC, ○20+4WG] ---------- 49
cyflufenamid.difenoconazole [○1.5+10SC] ---------- 56
diflubenzuron [○25WP, ○14SC, † ●80WG,] ---------- 66
diflubenzuron.etofenprox [○7+8SE] ---------- 66
diflubenzuron.furathiocarb [† ○7+9WP] ---------- 66
diflubenzuron.indoxacarb [○7+3.5WP] ---------- 66
acetamiprid.diflubenzuron [○2+7WP] ---------- 11
chlorpyrifos.diflubenzuron [○20+7WP] ---------- 51
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dimepiperate.imazosulfuron [○7+0.25GR] ---------- 66
benfuresate.bensulfuron.dimepiperate [† ○1.5+0.1+5GR] ---------- 24
bensulfuron-methyl.dimepiperate [† ○0.13+7GR] ---------- 25
dimethametryn ---------- 66
dimethametryn.esprocarb.pyrazosulfuron-ethyl [○0.7+5.0+0.07GR] ---------- 66
dimethametryn.halosulfuron-methyl.pyriminobac-methyl [○0.7+0.18+0.1GR] ---------- 66
dimethametryn.penoxsulam.pyrazosulfuron-ethyl [○0.7+0.08+0.07GR] ---------- 66
dimethametryn.piperophos [○1.1+4.4GR] ---------- 66
dimethametryn.pyrazosulfuron-ethyl.pyriminobac-methyl [○0.3+0.07+0.1GR] ---------- 67

dimethametryn.pyrazosulfuron-ethyl.thiobencarb [○0.35+0.07+7GR] ---------- 67
dimethenamid [○2.5GR] ---------- 67
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dimethoate.phenthoate [† ○30+15EC] ---------- 67
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dimethomorph.ethaboxam [○15+10SC] ---------- 67
dimethomorph.mancozeb [○7.5+66.7WP] ---------- 68
dimethomorph.metalaxyl [† ○12.5+12.5WP] ---------- 68
dimethomorph.metalaxyl-M [○12.5+7WP] ---------- 68
dimethomorph.propineb [○7+56WP] ---------- 68
dimethomorph.pyraclostrobin [●11.3+6.3WG] ---------- 68
dimethomorph.tribasiccoppersulfate [○7+9SC] ---------- 68
chlorothalonil.dimethomorph [○65+10WP] ---------- 49
copperhydroxide.dimethomorph [○30+20WP] ---------- 53
copperoxychloride.dimethomorph [○35+15WP] ---------- 54
procymidone.dimethomorph [○45+20WP] ---------- 130
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dimethylvinphos.fenobucarb [† ○2+2DP] ---------- 68
diniconazole [○5WP, ○5SC] ---------- 68
dinobuton [† ○30.6EC] ---------- 68
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dinocap [† ○18WP] ---------- 69
mancozeb.dinocap [† ○66+4.68WP] ---------- 108
dinotefuran [○10WP, ○2GR, ●20WG, ○1GR, ○10SL, ○70WS, ○50SG] ---------- 69
dinotefuran.etofenprox [●5+8WP] ---------- 69
dinotefuran.methoxyfenozide [○10+4SC] ---------- 69
buprofezin.dinotefuran [○20+15WP] ---------- 35
thifluzamide.tiadinil.dinotefuran [○2.5+5+1.5GR] ---------- 143
tricyclazole.dinotefuran [○2.5+1GR] ---------- 148
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dithianon.kresoxim-methyl [○15+10SC] ---------- 70
dithianon.metalaxyl [† ○30+10WP] ---------- 70
dithianon.metalaxyl-M [○30+5WP] ---------- 70
dithianon.myclobutanil [○20+3SC] ---------- 70
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dithianon.pyraclostrobin [●11.4+3.8WG] ---------- 70
dithianon.pyridaben [† ○65+10WP] ---------- 70
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copper oxychloride.dithianon [○42+13WP] ---------- 54
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dithiopyr.penoxsulam [○10+1.5WP] ---------- 71
dithiopyr.propanil [† ○2.4+35EC] ---------- 71
dithiopyr.pyrazosulfuron-ethyl [† ○0.4+0.07GR, † ○0.3+0.07GR] ---------- 71
anilofos.dithiopyr [○1.2GR] ---------- 15
azimsulfuron.bensulfuron-methyl.dithiopyr [† ○0.02+0.1+0.3GR] ---------- 17
bensulfuron-methyl.dithiopyr [○0.13+0.4GR] ---------- 26
cyclosulfamuron.dithiopyr [○0.2+0.3GR] ---------- 55
cyhalofop-butyl.dithiopyr.pyrazosulfuron-ethyl [○0.6+0.2+0.07GR] ---------- 57
dodine [○65WP] ---------- 71
edifenphos [○30EC, † ○1.5DP] ---------- 71
edifenphos.fenobucarb [○30+30EC] ---------- 71
edifenphos.fenthion [† ○1.5+2DP] ---------- 71
edifenphos.isoprothiolane [○15+20EC] ---------- 72
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bensulfuron-methyl.fentrazamide [○0.17+0.7GR○1+6SC] ---------- 26
benzobicyclon.fentrazamide [○3+2.5SC] ---------- 29
cyclosulfamuron.fentrazamide [○0.17+0.7GR, ○1+5SO, ○1.2+6SC,] ---------- 56
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flucetosulfuron.Imazaquin [○5+10WG, ○0.3+2GR] ---------- 85
flucetosulfuron.imazosulfuron [○0.05+0.25GR, ○0.3+1.5GR] ---------- 85
flucetosulfuron.mesotrione.pretilachlor [○0.07+0.3+0.6GR] ---------- 85
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flucetosulfuron.simetryn [○0.07+0.3GR] ---------- 86
azimsulfuron.flucetosulfuron [○0.05+0.05GR○0.3+0.4DT] ---------- 19
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carpropamid.fludioxonil.imidacloprid [○40+2+21WS] ---------- 45
cyprodinil.fludioxonil [○37.5+25WG, ●35.5+23.6WG] ---------- 60
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bistrifluron.flufenoxuron [○5+2SC] ---------- 32
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fluquinconazole.prochloraz-manganesecomplex [○5+25WP] ---------- 88
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flusilazole.kresoxim-methyl [○1.5+10SC] ---------- 89
fluquinconazole.flusilazole [○7+1.5SC] ---------- 88
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fosetyl-aluminium.iprodione [† ○60+20WP] ---------- 91
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gibberellic acid.gibberllinA_{4+7} [○GA32.5%.+GA4+70.2%PA] ---------- 92
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glyphosate.pyraflufen-ethyl [○30+0.15SC] ---------- 93
glyphosate.terbuthylazine [† ○10.5+15WG] ---------- 93
glyphosate.triclopyr-TEA [† ○35+6SL] ---------- 93
2, 4-D.glyphosate [† ○6.4+22SL] ---------- 9
butafenacil.glyphosate [† ○3.6+14.4SC] ---------- 37
carfentrazone-ethyl.glyphosate [† ○0.52+12.5WG, ●0.5+20ME] ---------- 43
flumioxazin.glyphosate [○1.5+28SC] ---------- 87
fluroxypyr-meptyl.glyphosate [○6+20SL] ---------- 88
glyphosate-ammonium [○16.2SL, ○74SG, ●16.2SL, ●74SG] ---------- 93
glyphosate-ammonium.oxyfen [○36+2WG] ---------- 93
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halosulfuron-methyl.mefenacet [○0.54+10.5GR, ○0.2+3.5GR] ---------- 94
halosulfuron-methyl.molinate [† ○0.18+7GR] ---------- 94
halosulfuron-methyl.oxaziclomefone [○0.18+0.2GR, ○1.62+1.2JB, ●18+17WG,] ---------- 95
halosulfuron-methyl.pretilachlor.pyriminobac-methyl [○0.18+1+0.1GR] ---------- 95
halosulfuron-methyl.pyriminobac-methyl [○0.18+0.1GR, ○1.62+0.6JB, ●2.16+1.2GR,] ---------- 95
benfuresate.halosulfuron-methyl.indanofan [○1.3+0.18+0.4GR] ---------- 24
benzobicyclon.flucetosulfuron.halosulfuron-methyl [○3+0.4+1.08DT] ---------- 29
carbosulfan.halosulfuron-methyl.mefenacet [○4.0+0.18+3.5GR] ---------- 42
dimethametryn.halosulfuron-methyl.pyriminobac-methyl [○0.7+0.18+0.1GR] ---------- 66
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hexaconazole.iprobenfos [○0.7+13.6GR] ---------- 96
hexaconazole.prochloraz [○1+25EC] ---------- 96
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hexaflumuron [† ○10SC] ---------- 96
chlorpyrifos.hexaflumuron [† ○1+20WP] ---------- 51
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hexythiazox [○10WP, † ○23SC, † ○10EC,] ---------- 96
hexythiazox.machineoil [† ○1+80EC] ---------- 96
bifenthrin.hexythiazox [† ○1.5+4.5WP] ---------- 32
dichlorvos.hexythiazox [† ●17+5FU] ---------- 64
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hymexazol.metalaxyl [○4+0.5DP, ○30+4SL] ---------- 97
hymexazol.metalaxyl-M [○4+0.25DP, ○30+2SL, ○4+0.25GR, ○30+2SL] ---------- 97
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IBA [† ●0.5DP, ●0.4SL] ---------- 97
imazapyr [○2.5GR] ---------- 98
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imidacloprid.methoxyfenozide [○4+8WP] ---------- 100
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bifenthrin.imidacloprid [○2+8WP] ---------- 31
buprofezin.imidacloprid [○0.5+1.5GR] ---------- 35
carbosulfan.imidacloprid [○10+2.5WP, ○2+1GR] ---------- 42
carpropamid.fludioxonil.imidacloprid [○40+2+21WS] ---------- 45
carpropamid.imidacloprid [○40+21WS, ○2+2GR] ---------- 45
carpropamid.prochloraz-Manganese.complex.imidacloprid [○40+1.5+21WS] ---------- 45
carpropamid.thifluzamide.imidacloprid [○2+3+2GR] ---------- 45
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azimsulfuron.bensulfuron-methyl.mefenacet [○0.03+0.08+3.5GR] ---------- 17
azimsulfuron.carfentrazone-ethyl.mefenacet [○0.04+0.1+3.5GR] ---------- 18
azimsulfuron.mefenacet.simetryn [○0.05+3.5+0.5GR] ---------- 19
azimsulfuron.mefenacet [† ○0.15+10.5GR, † ○0.05+3GR] ---------- 19
benfuresate.imazosulfuron.mefenacet [○1+0.23+3GR] ---------- 24
bensulfuron-methyl.daimuron.mefenacet.urea [† ○0.078+0.9+2.1GR] ---------- 25
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bensulfuron-methyl.mefenacet.oxadiargyl [○1.0+20+0.6SC] ---------- 26
bensulfuron-methyl.mefenacet.thiobencarb [○0.17+1.5+5GR] ---------- 26
bensulfuron-methyl.mefenacet [† ○0.17+2.5GR, ○0.13+2.5GR, ○1.02+21SC] ---------- 26
benzobicyclon.Imazosulfuron.mefenacet [○3+1.5+20SC] ---------- 29
benzobicyclon.mefenacet.penoxsulam [○3.0+18+0.5SC] ---------- 29
bromobutide.imazosulfuron.mefenacet [○2.5+0.25+3.5GR, ○15+1.5+20SC] ---------- 34
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carfentrazone-ethyl.imazosulfuron.mefenacet [○1+0.07G, ○0.6+1.5+21SE] ---------- 44
carfentrazone-ethyl.mefenacet.pyrazosulfuron-ethyl [○0.1+3.5+0.05GR] ---------- 44
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imazosulfuron.mefenacet.thiobencarb [○0.25+1.5+5GR] ---------- 98
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bensulfuron-methyl.mesotrione.pretilachlor.pyriftalid [† ○0.51+0.9+4.5+1.2GR, ○0.17+0.3+1.5+0.4GR] ------ 26
flucetosulfuron.mesotrione.pretilachlor [○0.07+0.3+0.6GR] ---------- 85
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captafol.deltamethrin.metalaxyl [† ○40+7.5+0.5WP] ---------- 39
captafol.metalaxyl [† ○40+7.5WP] ---------- 39
carbendazim.metalaxyl [○45+17.5WP] ---------- 41
copperoxychloride.metalaxyl [○35+15WP, ○4.7+2GR] ---------- 54
dimethomorph.metalaxyl [† ○12.5+12.5WP] ---------- 68
dithianon.metalaxyl [† ○30+10WP] ---------- 70
ethaboxam.metalaxyl [○10+15WP] ---------- 73
folpet.metalaxyl [† ○30+4GP] ---------- 90
hymexazol.metalaxyl [○4+0.5DP, ○30+4SL] ---------- 97
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metalaxyl-M [○48EC, ○1GR, ●43SL, ○12WP] ---------- 111
carbendazim.metalaxyl-M [○45+9WP] ---------- 41
chlorothalonil.metalaxyl-M [○31.5+3SC] ---------- 49
copperoxychloride.metalaxyl-M [○35+7.5WP, ○4.7+1GR] ---------- 54
dimethomorph.metalaxyl-M [○12.5+7WP] ---------- 68
dithianon.metalaxyl-M [○30+5WP] ---------- 70
famoxadone.metalaxyl-M [○9+6DC] ---------- 77
fludioxonil.metalaxyl-M [●2.2+0.91FS] ---------- 86
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bromobutide.imazosulfuron.metamifop [○3+0.25+0.3GR] ---------- 34
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methoxyfenozide.spinosad [○10+5SC] ---------- 113
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buprofezin.methoxyfenozide [○11+4WP] ---------- 35
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azimsulfuron.cyhalofop-butyl.pretilachlor [○0.05+0.6+1GR] ---------- 18
bensulfuron-methyl.cyhalofop-butyl.pretilachlor [† ○0.13+0.6+1GR] ---------- 25
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cinosulfuron.cyhalofop-butyl.propanil [† ○0.5+6+5WG] ---------- 52
dithiopyr.propanil [† ○2.4+35EC] ---------- 71
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mepronil.propiconazole [○50+4WP] ---------- 110
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flucetosulfuron.pyrazolate.simetryn [○0.07+3+0.7GR, ○0.07+3+0.7GR] ---------- 86
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pyrazosulfuron-ethyl.pyriminobac-methyl [○0.07+0.1GR, ●7+10WG, ●0.84+1.2GR, ○0.84+1.2GR] ---------- 133
pyrazosulfuron-ethyl.quinclorac [† ○0.07+1GR] ---------- 133
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pyrazosulfuron-ethyl.thiobencarb [† ○0.07+5GR, ○0.07+7GR,] ---------- 134
mefenacet.pyrazosulfuron-ethyl.thiobencarb [○1+0.07+5GR] ---------- 110
penoxsulam.pyrazosulfuron-ethyl [○0.08+0.03GR, ○0.08+0.05GR, ○8+3WG] ---------- 123
anilofos.carfentrazone-ethyl.pyrazosulfuron-ethyl [○1.5+0.1+0.05GR] ---------- 15
benzobicyclon.cafenstrole.pyrazosulfuron-ethyl [○0.6+0.8+0.07GR] ---------- 29
benzobicyclon.penoxsulam.pyrazosulfuron-ethyl [○0.7+0.08+0.07GR] ---------- 29
bromobutide.pyrazosulfuron-ethyl.pyriminobac-methyl [○3+0.07+0.1GR, ○36+0.84+1.2GR] ---------- 34
butachlor.pyrazosulfuron-ethyl [○2.5+0.07GR] ---------- 37
cafenstrole.pyrazosulfuron-ethyl [○1+0.07G] ---------- 38
carfentrazone-ethyl.mefenacet.pyrazosulfuron-ethyl [○0.1+3.5+0.05GR] ---------- 44
carfentrazone-ethyl.metamifop.pyrazosulfuron-ethyl [○0.25+0.3+0.07GR] ---------- 44
carfentrazone-ethyl.penoxsulam.pyrazosulfuron-ethyl [○0.15+0.08+0.07GR] ---------- 44
carfentrazone-ethyl.pretilachlor.pyrazosulfuron-ethyl [○0.1+1+0.07GR] ---------- 44
carfentrazone-ethyl.pyrazosulfuron-ethyl.pyriminobac-methyl [○0.25+0.07+0.1GR] ---------- 44
cyhalofop-butyl.dithiopyr.pyrazosulfuron-ethyl [○0.6+0.2+0.07GR] ---------- 57
cyhalofop-butyl.pretilachlor.pyrazosulfuron-ethyl [† ○1.8+3+0.21FG] ---------- 58
cyhalofop-butyl.pyrazosulfuron-ethyl.simetryn [○0.6+0.07+0.3GR] ---------- 58
cyhalofop-butyl.pyrazosulfuron-ethyl [○3.6+0.42UG] ---------- 58
daimuron.mefenacet.pyrazosulfuron-ethyl [○1.5+3.5+0.07GR] ---------- 60
daimuron.molinate.pyrazosulfuron-ethyl [† ○4.5+15+0.21GR] ---------- 60
dimethametryn.esprocarb.pyrazosulfuron-ethyl [○0.7+5.0+0.07GR] ---------- 66

dimethametryn.penoxsulam.pyrazosulfuron-ethyl [○0.7+0.08+0.07GR] ---------- 66
dimethametryn.pyrazosulfuron-ethyl.pyriminobac-methyl [○0.3+0.07+0.1GR] ---------- 67
dimethametryn.pyrazosulfuron-ethyl.thiobencarb [○0.35+0.07+7GR] ---------- 67
dithiopyr.pyrazosulfuron-ethyl [† ○0.4+0.07GR, † ○0.3+0.07GR] ---------- 71
esprocarb.pyrazosulfuron-ethyl [○5+0.07GR] ---------- 73
fentrazamide.pyrazosulfuron-ethyl [○1+0.07GR, ●50+3.5WG] ---------- 83
flucetosulfuron.pyrazosulfuron-ethyl [○0.05+0.07GR, ○4+3WG, ○7+8.4WG,] ---------- 86
indanofan.pyrazosulfuron-ethyl [○0.43+0.07GR, ●37.5+5.25WG] ---------- 101
mefenacet.pyrazosulfuron-ethyl [○3.5+0.07GR, † ○0.21+10.5FG] ---------- 110
molinate.pretilachlor.pyrazosulfuron-ethyl [† ○5+1+0.07GR] ---------- 115
molinate.pyrazosulfuron-ethyl.simetryn [○5+0.07+0.3GR] ---------- 115
molinate.pyrazosulfuron-ethyl [○5+0.07GR] ---------- 115
oxaziclomefone.pyrazosulfuron-ethyl [○0.2+0.07GR, ●12.5+5.25WG] ---------- 120
pentoxazone.pyrazosulfuron-ethyl [† ○0.8+0.07GR] ---------- 124
pretilachlor.pyrazosulfuron-ethyl.pyriminobac-methyl [† ○1.8+0.21+0.3GR, ○1.0+0.07+0.1GR,] -- 128
pretilachlor.pyrazosulfuron-ethyl.simetryn [○1+0.07+0.3GR] ---------- 128
pretilachlor.pyrazosulfuron-ethyl [† ○1+0.06GR] ---------- 128
pyrazolate.pyrazosulfuron-ethyl.simetryn [○3+0.05+0.7GR] ---------- 133
pyrazoxyfen ---------- 134
pyrazoxyfen.thiobencarb [† ○6+5GR] ---------- 134
butachlor.pyrazoxyfen [† ○3.5+6GR] ---------- 37
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bensulfuron-methyl.pyributicarb [† ○0.13+3GR○0.8+11.4SC] ---------- 27
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azocyclotin.pyridaben [○13+13WP] ---------- 20
bifenthrin.pyridaben [○1.5+15SC] ---------- 32
chlorfenapyr.pyridaben [○3+10SC] ---------- 47
dithianon.pyridaben [† ○65+10WP] ---------- 70
pirimiphos-methyl.pyridaben [† ○25+10WP] ---------- 126
pyridalyl [○10EW] ---------- 134
clothianidin.pyridalyl [○8+16SC] ---------- 53
pyridaphenthion [○30EC, ○50WP,] ---------- 134
etofenprox.pyridaphenthion [○7+20EC, ○5+40WP] ---------- 76
fenobucarb.pyridaphenthion [○30+30EC] ---------- 80
metolcarb.pyridaphenthion [† ○1.5+2DP] ---------- 114
pyriftalid ---------- 135
azimsulfuron.bensulfuron-methyl.pyriftalid [○0.03+0.08+0.6GR] ---------- 17
bensulfuron-methyl.mesotrione.pretilachlor.pyriftalid [† ○0.51+0.9+4.5+1.2GR, ○0.17+0.3+1.5+0.4GR] ------ 26
bensulfuron-methyl.pretilachlor.pyriftalid [○1.4+11.5+2.9SC] ---------- 27
cinosulfuron.pyriftalid [○0.08+0.6GR, ●4.8+36WG] ---------- 52
imazosulfuron.pyriftalid [○0.25+0.6GR, ○1.5+3.6SC] ---------- 99

pyrazosulfuron-ethyl.pyriftalid [○0.07+0.6GR] ---------- 133
pyrimethanil [○30WP, ○37SC,] ---------- 135
chlorothalonil.pyrimethanil [○31+12.4SC] ---------- 50
fluquinconazole.pyrimethanil [○5+30SC] ---------- 88
pyrimidifen [○4SC] ---------- 135
bifenthrin.pyrimidifen [○1+2WP] ---------- 32
pyriminobac-methyl ---------- 135
azimsulfuron.bensulfuron-methyl.pyriminobac-methyl [○0.03+0.08+0.1GR] ---------- 17
azimsulfuron.bromobutide.pyriminobac-methyl [○0.6+36+1.2GR] ---------- 18
azimsulfuron.carfentrazone-ethyl.pyriminobac-methyl [○0.03+0.15+0.1GR○0.3+1.5+0.6UG] ---- 18
azimsulfuron.pyriminobac-methyl [○4+10WG○0.6+1.2GR○0.05+0.1GR] ---------- 19
bensulfuron-methyl.pyriminobac-methyl [○1+0.6SC○0.17+0.1GR] ---------- 27
benzobicyclon.imazosulfuron.pyriminobac-methyl [○4.0+1.5+0.6SC] ---------- 29
bromobutide.imazosulfuron.pyriminobac-methyl [○18+1.5+0.6SC, ○36+3+1.2GR] ---------- 34
bromobutide.pyrazosulfuron-ethyl.pyriminobac-methyl [○3+0.07+0.1GR, ○36+0.84+1.2GR] ---- 34
carfentrazone-ethyl.cyclosulfamuron.pyriminobac-methyl [○0.25+0.17+0.1GR] ---------- 43
carfentrazone-ethyl.imazosulfuron.pyriminobac-methyl [○0.25+0.25+0.1GR] ---------- 44
carfentrazone-ethyl.pyrazosulfuron-ethyl.pyriminobac-methyl [○0.25+0.07+0.1GR] ---------- 44
cyclosulfamuron.Pyriminobac-methyl [○0.17+0.1GR] ---------- 56
dimethametryn.halosulfuron-methyl.pyriminobac-methyl [○0.7+0.18+0.1GR] ---------- 66
dimethametryn.pyrazosulfuron-ethyl.pyriminobac-methyl [○0.3+0.07+0.1GR] ---------- 67
halosulfuron-methyl.mefenacet.pyriminobac-methyl [●2.16+24+1.2UG] ---------- 94
halosulfuron-methyl.pretilachlor.pyriminobac-methyl [○0.18+1+0.1GR] ---------- 95
halosulfuron-methyl.pyriminobac-methyl [○0.18+0.1GR, ○1.62+0.6JB, ●2.16+1.2GR,] ------ 95
imazosulfuron.pyriminobac-methyl [○0.25+0.1GR, ○1.5+0.6SC, ●3+1.2GR, ○3.0+1.2GR] ---- 99
pretilachlor.pyrazosulfuron-ethyl.pyriminobac-methyl [† ○1.8+0.21+0.3GR, ○1.0+0.07+0.1GR,] -- 128
pyrazosulfuron-ethyl.pyriminobac-methyl [○0.07+0.1GR, ●7+10WG, ●0.84+1.2GR, ○0.84+1.2GR] ------- 133
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iprobenfos.pyroquilon [† ○30+15EC, † ○15+2GR] ---------- 102
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diazinon.quinalphos [† ○2+2GR] ---------- 63
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bensulfuron-methyl.quinclorac [† ○0.17+1GR] ---------- 27
bentazone.quinclorac [† ○10+1GR, † ○40+10WP] ---------- 28
pyrazosulfuron-ethyl.quinclorac [† ○0.07+1GR] ---------- 133
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butachlor.quinoclamine [○3.3+4GR] ---------- 37
MCPB.nitrofen.quinoclamine [† ○0.6+5+5GR] ---------- 109
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fenitrothion.silafluofen [○20+5EC] ---------- 80
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azimsulfuron.mefenacet.simetryn [○0.05+3.5+0.5GR] ---------- 19
azimsulfuron.penoxulam.simetryn [○0.05+0.07+0.3GR] ---------- 19
cinosulfuron.molinate.simetryn [† ○0.08+7+0.3GR] ---------- 52
cyhalofop-butyl.pyrazosulfuron-ethyl.simetryn [○0.6+0.07+0.3GR] ---------- 58
flucetosulfuron.pyrazolate.simetryn [○0.07+3+0.7GR, ○0.07+3+0.7GR] ---------- 86
flucetosulfuron.simetryn [○0.07+0.3GR] ---------- 86
imazosulfuron.pyrazolate.simetryn [○0.18+3+0.7GR] ---------- 99
MCPB.molinate.simetryn [† ○8+1.5+0.8GR] ---------- 109
molinate.pyrazosulfuron-ethyl.simetryn [○5+0.07+0.3GR] ---------- 115
molinate.simetryn [† ○5+1.2GR] ---------- 115
pretilachlor.pyrazosulfuron-ethyl.simetryn [○1+0.07+0.3GR] ---------- 128
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pyrazolate.pyrazosulfuron-ethyl.simetryn [○3+0.05+0.7GR] ---------- 133
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methoxyfenozide.spinosad [○10+5SC] ---------- 113
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streptomycin.validamycin-A [○5+15WP] ---------- 139
chlorothalonil.streptomycin [○50+5WP] ---------- 50
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tebuconazole.trifloxystrobin [○20+10SC] ---------- 140
chlorothalonil.tebuconazole [○27+23WP] ---------- 50
dichlofluanid.tebuconazole [† ○50+13WP] ---------- 63
fenhexamid.tebuconazole [○30.5+5.8SC] ---------- 79
metalaxyl.tebuconazole [○2+2GR] ---------- 111
pencycuron.tebuconazole [○15+10SC, ○20+4SC,] ---------- 122
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etofenprox.tebufenozide [○10+4EC] ---------- 76
fenobucarb.tebufenozide [○25+4WP] ---------- 80
imidacloprid.tebufenozide [○1.6+7WP] ---------- 100
tebufenpyrad [○10WP, ○10EC,] ---------- 140
tebufenpyrad.tetradifon [○2.5+8EC] ---------- 140
diafenthiuron.tebufenpyrad [† ○20+2.5WP] ---------- 62
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Bacillusthuringiensis.teflubenzuron [○10BIU/kg+3%WP] ---------- 23
chlorfenapyr.teflubenzuron [○3+2SC] ---------- 47
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fenbutatin-oxide.tetradifon [† ○25+10WP] ---------- 79
fenpropathrin.tetradifon [○4+8EC] ---------- 82
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lambda-cyhalothrin.tetradifon [† ○1+8EC] ---------- 106
pirimiphos-methyl.tetradifon [† ○25+8EC] ---------- 126
propargite.tetradifon [○36+6WP] ---------- 131
tebufenpyrad.tetradifon [○2.5+8EC] ---------- 140
thenylchlor ---------- 142
pyrazosulfuron-ethyl.thenylchlor [† ○0.07+0.7GR] ---------- 134
thiabendazole [† ○60WP, † ●60WP, ●40.8SC] ---------- 142
thiacloprid [○1GR, ○2SO, ○10SC] ---------- 142
buprofezin.thiacloprid [○20+5SC] ---------- 36
carpropamid.thiacloprid [○2+1GR] ---------- 45
probenazole.thiacloprid [○3.6+1GR] ---------- 128
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acibenzolar-S-methyl.thiamethoxam [○2+0.8GR] ---------- 12
cartaphydrochloride.thiamethoxam [○45+1SG] ---------- 46
chlorantraniliprole.Thiamethoxam [○8+16.5WG] ---------- 46
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lambda-cyhalothrin.thiamethoxam [○1.4+6.7SG] ---------- 106
orysastrobin.thiamethoxam [○3.5+1GR] ---------- 119
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thifluzamide.tiadinil.clothianidin [○3+6+0.5GR] ---------- 143
thifluzamide.tiadinil.dinotefuran [○2.5+5+1.5GR] ---------- 143
carpropamid.thifluzamide.imidacloprid [○2+3+2GR] ---------- 45
carpropamid.thifluzamide [○2+3GR] ---------- 45
fenbuconazole.thifluzamide [○2+2SC] ---------- 78
fenoxanil.thifluzamide [○15+3EC] ---------- 81
hexaconazole.thifluzamide [○6+1SC] ---------- 96
pencycuron.thifluzamide [○6+1EC] ---------- 122
probenazole.thifluzamide.carbosulfan [○3.6+3.0+3.5GR] ---------- 129
thiobencarb [○7GR, ○50EC,] ---------- 143

halosulfuron-methyl.mefenacet.thiobencarb [○0.18+1.5+5GR] ---------- 94
azimsulfuron.bensulfuron-methyl.thiobencarb [○0.03+0.08+7GR] ---------- 17
azimsulfuron.thiobencarb [○0.05+7GR] ---------- 19
bensulfuron-methyl.carfentrazone-ethyl.thiobencarb [○0.17+0.15+7GR] ---------- 25
bensulfuron-methyl.mefenacet.thiobencarb [○0.17+1.5+5GR] ---------- 26
bensulfuron-methyl.thiobencarb [† ○0.13+5GR, ○0.17+7GR] ---------- 27
benzobicyclon.thiobencarb [○2.5+30SE] ---------- 30
bromobutide.thiobencarb [○4+20SE] ---------- 34
carfentrazone-ethyl.thiobencarb [○0.25+7GR] ---------- 44
dimethametryn.pyrazosulfuron-ethyl.thiobencarb [○0.35+0.07+7GR] ---------- 67
imazosulfuron.mefenacet.thiobencarb [○0.25+1.5+5GR] ---------- 98
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2. Trade Name

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1. CPP COMPANIES

◎ KCPA MEMBERs

Full Members

Arysta LifeScience Korea Ltd.
54-3, Gaju-dong, Chungju, Chungbuk, Korea
Tel. #82-43-852-8095, Fax. #82-43-852-8096
http://www.arystalifesciencekorea.com

BayerCropScience Ltd.
676, Yeaksam 1-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-1577-4644, Fax. #82-2-3450-1395
http://www.bayercropscience.co.kr

Cheil Chemicals Co., Ltd.
175-1, Puam-dong, Chongro-gu, Seoul, Korea
Tel. #82-2-391-9284, Fax. #82-2-391-9395

Dong Bang Agro Corporation
1055-2, Namhyon-dong, Kwanak-gu, Seoul, Korea
Tel. #82-2-580-3600, Fax. #82-2-523-3504
http://www.dongbangagro.co.kr

Dongbu Fine Chemicals Co., Ltd.
891-10, Daechi-dong, Gangnam-gu, Seoul, korea
Tel. #82-2-3484-1600, Fax. #82-2-565-8534
http://www.dongbufinechem.co.kr

Dongbu HiTek Co., Ltd.
891-10, Daechi-dong Gangnam-gu, Seoul, Korea
Tel. #82-2-3484-1500, Fax. #82-2-565-8534
http://www.dongbuhitek.co.kr

Enbiomix Co., Ltd.
333-1, Dohwa-ri, Songhak-myeon, Jecheon, Chungbuk, Korea
Tel. #82-43-645-4981, Fax. #82-43-646-1123
http://www.enbiomix.com

HanKook Samgong Co., Ltd.
421-23, Bangbae 2-dong, Seocho-gu, Seoul, Korea
Tel. #82-2-2287-2900, Fax. #82-2-2287-2969
http://www.30agro.co.kr

Kyung Nong Corporation
1337-4, Secho 2-dong, Secho-gu, Seoul, Korea
Tel. #82-2-3488-5800, Fax. #82-2-3488-5933
http://www.knco.co.kr

SMBT Co., Ltd.
1008-4, Daechi 3-dong, Gangnam-ku, Seoul, Korea
Tel. #82-2-3452-2324, Fax. #82-2-3452-6768
http://www.smbt.co.kr.

Sung Bo Chemical Co., Ltd.
112-35, Sokong-dong, Choong-gu, Seoul, Korea
Tel. #82-2-3789-3800, Fax. #82-2-774-2608
http://www.sungbochem.co.kr

Syngenta Korea Ltd.
100, Gonpyong-dong, Chongro-gu, Seoul, Korea
Tel. #82-2-398-5500, Fax. #82-2-734-3880
http://www.syngenta.co.kr

Young Il Chemical Co., Ltd.
263 Seohyeon-dong, Bundang-gu, Sungnam-si, Korea
Tel. #82-31-738-5200, Fax. #82-31-738-5255
http://www.yichem.co.kr

Dong Oh Chemical Ind. Co., Ltd.
1337-4, Socho 2-dong, Seocho-gu, Seoul, Korea
Tel. #82-2-3473-6801, Fax. #82-2-3474-9501

LGLS Ltd.
20, Yoido-dong, Yeongdeungpo-gu, Seoul, Korea
Tel. #82-2-3773-7582, Fax. #82-2-783-9424
http://www.lgls.co.kr

OCI Company Ltd.
50, Sokong-dong, Chung-gu, Seoul, Korea
Tel. #82-2-727-9441, Fax. #82-2-771-0740
http://www.dcchem.co.kr

Seo Han Chemical Co., Ltd
363-3, Maetan-dong, Yeongtong-gu, Suwon, Korea
Tel. #82-31-212-2052, Fax. #82-31-212-4590

Associate Members

Ajin Chemical Co., Ltd.
1013-4, Shinjung-dong, Yangchun-gu, Seoul, Korea
Tel. #82-2-2065-6717, Fax. #82-2-2065-6719

Atlatech Ltd.
7, Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea
Tel. #82-31-785-4591, Fax. #82-31-785-4592

BASF Company Ltd.
45, 4-ga, Namdaemunro, Jung-gu, Seoul, Korea
Tel. #82-2-3707-7866, Fax. #82-2-3707-7868
http://www.basf-korea.co.kr

Dow AgroScience Int'l Ltd.
159-9, Samsung-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-3490-0710, Fax. #82-2-3490-4308
http://www.dowagro.co.kr

DuPont(Korea) Inc.
726, Yeoksam-dong, Gangnam-ku, Seoul, Korea
Tel. #82-2-2222-5313, Fax. #82-2-2222-5484
http://www.dupont.co.kr

Farmever Co., Ltd
591-4, Seongsan 2-dong, Mapo-gu. Seoul Korea
Tel. #82-2-307-1703, Fax. #82-2-307-0134

FMC Korea Ltd.
830-3, Yeoksam-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-539-6435, Fax. #82-2-567-4662
http://www.fmc.co.kr

Hanearl Science Ltd.
813, Bizcenter, SK Technopark, 190-1, Sangdaewon-dong, Jungwon-gu, Sungnam-si, Kyunggi-do, Korea
Tel. #82-31-335-0163, Fax. #82-31-335-0366

ISK Biosciences Korea Ltd.
837-2, Yeoksam1-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-555-1401, Fax. #82-2-563-1408

JK Inc.
622, Dongmoon Goodmorning Tower II B/D, 1324 Baekseok-dong, Ilsandong-gu, Goyang-si, Kyunggi-do, Korea
Tel. #82-31-902-5008, Fax. #82-31-902-5040
http://www.jkinc.co.kr

KC Bioscience Co., Ltd
99-7, Garak-dong, Songpa-gu, Seoul Korea
Tel. #82-2-3453-6525, Fax. #82-2-3453-6386

Magan Korea Co., Ltd.
61-4, Nonhyun-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-3444-6883, Fax. #82-2-3444-6880

Nisso Korea Co., Ltd.
889-5, Daechi-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-2051-7118, Fax. #82-2-2051-7716

Odus Co., Ltd.
467-9, Seogyo-dong, Mapo-gu, Seoul, Korea
Tel. #82-2-325-1977, Fax. #82-2-326-1988
http://www.odus.net

Rotam Korea Inc.
115-25, Nonhyun-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-3443-7217, Fax. #82-2-3443-7219

SDS Biotech K.K
831-37, Yeoksam-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-558-5083, Fax. #82-2-558-5085

Shin Young Agro co., Ltd.
837-17, Yeoksam-dong, Gangnam-ku, Seoul, Korea
Tel. #82-2-538-4192, Fax. #82-2-538-4194

Sumitomo Chemical Agro Seoul, Ltd.
890-20, Daechi-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-558-4812, Fax. #82-2-558-5471

Taejun Agrotec Co., Ltd
311-3, Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
Tel. #82-31-737-2922, Fax. #82-31-737-2923

United Phosphorus(Korea) Ltd.
813, Bizcenter, SK Technopark, 190-1, Sangdaewon-dong, Jungwon-gu, Sungnam-si, Kyunggi-do, Korea
Tel. #82-31-776-4112, Fax. #82-31-776-4113

◎ Others

AgriculturalCooperative Trading Co., Ltd.
553, Sungnae-dong, Gangdong-gu, Seoul, Korea
Tel. #82-2-2225-2300, Fax. #82-2-470-1972

Chemtura Korea Inc.
2-15, Nonhyun-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-541-1300, Fax. #82-2-541-3950

Chynwoo Moolsan Co.
1008-4, Daechi 3-dong, Gangnam-ku, Seoul, Korea
Tel. #82-2-3452-2324, Fax. #82-2-3452-6768

Daeyu Company Ltd.
31-19, Chungdam-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-556-6293, Fax. #82-2-542-8055

DongSungGreen Corp.
442-1, Jigok-dong, Giheung-gu, Youngin-si, Kyunggi-do, Korea
Tel. #82-31-285-0285, Fax. #82-31-285-0284

Duson Chemical
1003, Saam-ri, Wonsam-myeom, Chuin-gu, Yongin-si, Kyunggi-do, Korea
Tel.#82-31-322-9702, Fax. #82-31-632-9814

Future Marketing Technology
290-2, Gochun-dong, Uiwang-si, Kyunggi-do, Korea
Tel. #82-31-450-6522, Fax. #82-31-450-6531

Green Biotech Co., Ltd.
737-28, Snagjisuk-ri, kyoha-up, Paju-si, Kyunggi-do, Korea
Tel. #82-31-946-5614, Fax. #82-31-946-5615

Hankook Bio Chemical Co., Ltd.
1539-6, Dongdeung-ri, Uiryung-up, Uiryung-gun, Kyungsangnam-do, Korea
Tel. #82-55-572-0241, Fax. #82-55-572-0244

Jahng Yu Industry, Ltd.
550-1, Jayang3-dong, Kwangjin-gu, Seoul, Korea
Tel. #82-2-456-4767, Fax. #82-2-3436-8300

JS Chemical Ltd.
16-211, 101BL, Sihwagonggusangga, Jungwang-dong, Siheung-si, Kyunggi-do, Korea
Tel. #82-31-430-2340, Fax. #82-31-430-2339

Korea Bio Chemical Co., Ltd.
288-1, Mangwol-ri, Jungnam-myeon, Hwasung-si, Kyunggi-do, Korea
Tel. #82-31-354-8183, Fax. #82-31-353-8247

Korea Samhyun Co., Ltd.
105, Bukjung-dong, Yangsan-si, Kyungsangnam-do, Korea
Tel. #82-55-384-3413, Fax. #82-55-383-2020

Kuk Bo Science
53-31, Songjung-dong, Hungduk-gu, Chungju-si, Chungchungbok-do, Korea
Tel. #82-43-264-7766, Fax. #82-43-267-7769

Marubeni Korea Ltd.
1, Sogong-dong, Jung-gu, Seoul, Korea
Tel. #82-2-310-0245, Fax. #82-2-310-0105

MitsuiChemicals, Inc. Korea office
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Tel. #82-2-2043-6709, Fax. #82-2-2043-6707

Purein Industry
271, Donghwa-ri, Bongdam-up, Hwasung-si, Kyunggi-do, Korea
Tel. #82-2-488-8150, Fax. #82-2-470-3636

Rohm&Hass Korea
1337-20, Seocho2-dong, Seocho-gu, Seoul, Korea
Tel. #82-2-3489-8925, Fax. #82-2-3489-8903

Sammi chemical Industry
679-10, Gijan-dong, Namdong-gu, Incheon-si, Korea
Tel. #82-32-819-2130, Fax. #82-31-819-6054

Si-chem Corp. Ltd.
1364, Jungwang-dong, Sihung-dong, Kyunggi-do, Korea
Tel. #82-31-430-6231, Fax. #82-31-430-6239

UnachemTrading Co., Ltd.
80-15, Nonhyun-dong, Gangnam-gu, Seoul, Korea
Tel. #82-2-512-2916, Fax. #82-2-514-1878

Yooil Corporation
1385, Sungin-dong, Chungro-gu, Seoul, Korea
Tel. #82-2-2237-1565, Fax. #82-2-2237-0984

Woori Industry
625-13, Mugap-ri, Chowol-up, Kwangju-si, Kyunggi-do, Korea
Tel. #82-31-798-6412, Fax. #82-31-798-6415

2. Web Site

Government

Ministry for Food, Agriculture, Forestry and Fisheries
http://www.mifaff.go.kr

Rural Deveiopment Administration
http://www.rda.go.kr

Ministry of Environment
http://www.me.go.kr

Korea Food & Drug Administration
http://www.kfda.go.kr

Natinal Plant Quarantine Service
http://www.npqs.go.kr

National Agricultural Products Quality Management Service
http://www.naqs.go.kr

Korea Customs Service
http://www.customs.go.kr

Institute

National Academy of Agricultural Service
http://www.naas.go.kr

National Institute of Crop Science
http://www.nics.go.kr

National Insitute of Horicultural & Herbal Science
http://www.nihhs.go.kr

National Institute of Environmental Research
http://www.nier.go.kr

Korea Forest Research Institute
http://www.kfri.go.kr

Korea Rural Economic Institute
http://www.krei.re.kr

Oraganization

Korea Crop Protection Association
http://www.koreacpa.org

National Agricultural Cooperative Federation
http://www.nonghyup.com

Korea Environment & Resource Corprration
http://www.envico.or.kr

Korea Rural Community Corporation
http://www.ekr.or.kr

Korea Agro-Fisheries Trade Corporation
http://www.at.or.kr

Korea FAO Association
http://www.fao.or.kr

Academic Society

The Korean Society of Pesticide Science
www.kjps.or.kr

Korean Society of Environmental Agriculture
http://www.korsea.or.kr/

Korean Society of Food Hygiene and Safety
http://www.foodhygiene.or.kr/

Korean Society of Environmental Toxicology
http://www.koset.or.kr/

Korean Society of Plant Pathology
http://www.kspp.org/

Korean Society of Applied Entomology
http://www.entomology.or.kr/

Korean Society of Weed Science
http://www.kwss.or.kr/

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