

byActive_Ingredient

Active Ingredient 1	Active Ingredient 2	FRAC code 1	FRAC Code 2	Trade Name	Pre-Harvest Interval (days)	In-furrow	100%-emergence	Rotation	Comments/other uses	Company	EPA Reg. No
Aspergillus flavus NRRL 21882		Group Biological		AFLA-GUARD GR	No mention	No	No	No mention		Syngenta Crop Protection, LLC	75624-2-100
Azoxystrobin	Mefenoxam	11	4	UNIFORM	?	No	No	No mention		Syngenta Crop Protection, LLC	100-1187
Azoxystrobin		11		ABOUND	14 days	Yes	Yes – if conditions favor	buckwheat and millet 12 months		Syngenta Crop Protection, LLC	100-1098
Bacillus pumilus GB34		Group Biological		YIELD SHIELD BIOLOGICAL	NA	NA	Na	NA	seed treatment	Bayer CropScience	264-985
Bacillus pumilus strain QST 2808		Group Biological		BALLAD PLUS	0 days		Yes	No mention		AgraQuest, Inc.	69592-13
Bacillus subtilis strain GBO3	Metalaxyl; PCNB	4	14	SYSTEM 3 SEED TREATMENT	NA	NA	NA	NA	seed treatment	Helena Chemical Company	264-953-5905
Bacillus subtilis strain QST 713		44		SERENADE ASO	0 days	No	When conditions conducive, soon after emergence	No mention		AgraQuest, Inc.	69592-12
Bacillus subtilis strain QST 713		44		SERENADE MAX	0 days	No	When conditions conducive, soon after emergence	No mention		AgraQuest, Inc.	69592-11
Bacillus subtilis strain QST 713		44		SERENADE OPTIMUM	0 days	No	When conditions conducive, soon after emergence	No mention		Bayer CropScience	264-1160
Bacillus subtilis strain QST 713		44		SERENADE SOIL	0 days	Yes	Yes	No mention		AgraQuest, Inc.	69592-12
Basic Copper sulfate		M1		CUPROXIF-ULTRA 40 DISPERS	No mention	No	No	No mention		United Phosphorus, Inc.	70506-201
Basic Copper sulfate		M1		CUPROXAT	No mention					Nufarm Agricultural Products	35935-3
Basic Copper sulfate; Sulfur		M1	M2	TOP COP WITH SULFUR	No mention	No	No	No mention		Stoller Enterprises, Inc.	57538-6
Boscalid		7		ENDURA	14 days	No	No	No mention		BASF Ag Products	7969-197
Chlorothalonil	Propiconazole	M5	3	TILT BRAVO SE	14 days	No	No	0 days for any crop on label; 105 days other crops.		Syngenta Crop Protection, LLC	100-1192
Chlorothalonil		M5		BRAVO ULTREX	14 days	No	No	No mention		Syngenta Crop Protection, LLC	50534-201-100
Chlorothalonil		M5		BRAVO WEATHER STIK	14 days	No	No	No mention		Syngenta Crop Protection, LLC	50534-188-100
Chlorothalonil		M5		CHLORONIL 720	14 days	No	No	No mention		Syngenta Crop Protection, LLC	50534-188-100
Chlorothalonil		M5		CHLOROTHALONIL 720 SC	14 days	No	No	No mention		Arysta LifeScience North America LLC	66330-362
Chlorothalonil		M5		ECHO 720	14 days	No	When leaf wetness occurs or 30-35 days			SipcamAdvan	60063-7
Chlorothalonil		M5		ECHO 90DF	14 days	No	When leaf wetness occurs or 30-35 days			SipcamAdvan	60063-10
Chlorothalonil		M5		EQUUS 500 ZN-FUNGICIDE	14 days	No	When leaf wetness occurs or 30-40 days	No mention		MANA - Makhteshim Agan of North America, Inc.	66222-150
Chlorothalonil		M5		EQUUS 720SST	14 days	No	When leaf wetness occurs or 30-40 days	No mention		MANA - Makhteshim Agan of North America, Inc.	66222-154

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Chlorothalonil		M5		EQUUS-DF	14 days	No	When leaf wetness occurs or 30-40 days	No mention		MANA - Makhteshim Agan of North America, Inc.	66222-149
Chlorothalonil		M5		INITIATE 720	14 days	No	When leaf wetness occurs or 30-40 days	No mention		Loveland Products, Inc.	34704-881
Chlorothalonil		M5		INITIATE ZN	14 days	No	When leaf wetness occurs or 30-40 days	No mention		Loveland Products, Inc.	34704-1050
Copper hydroxide	Mancozeb	M1;	M3	MANKOCIDE	14 days	No	Start when disease appears or reported	No mention		DuPont Crop Protection	352-690
Copper hydroxide		M1		CHAMP DP DRY PRILL	7 days			No mention		Nufarm Agricultural Products	55146-57
Copper hydroxide		M1		CHAMP FORMULA 2 FLOWABLE	7 days	No	No	No mention		Nufarm Agricultural Products	55146-64
Copper hydroxide		M1		CHAMP WG	7 days	No	No	No mention		Nufarm Agricultural Products	55146-1
Copper hydroxide		M1		KOCIDE 3000	0 days	No	No	No mention		DuPont Crop Protection	352-662
Copper hydroxide		M1		KOCIDE-2000	0 days	No	No	No mention		DuPont Crop Protection	352-656
Copper hydroxide		M1		KOCIDE-DF	0 days	No	No	No mention		DuPont Crop Protection	352-688
Copper hydroxide		M1		NU-COP 50 DF	1 day	No	No	No mention		Albaugh, Inc./Agr Star	45002-4
Copper sulfate pentahydrate		M1		MASTERCOP	No mention	No mention	No mention	No mention		MANA - Makhteshim Agan of North America, Inc.	55272-18-66222
Cuprous oxide		M1		NORDOX 75 WG	No mention	No	No	No mention		NORDOX Industrier AS	48142-4
Dodine		M7		ELAST FLOWABLE	14 days	No	No	No mention		Aceto Agricultural Chemicals Corporation	55260-6
Extract of Reynoutria sachalinensis		P		REGALIA (CAUTION)	0 days	Yes	Yes	No mention		Marrone Bio Innovations	84059-3
Fluazinam		29		OMEGA 500F	30 days of threshing for harvest	No	No	0 days for any crop on label; 30 days for all other crops.		Syngenta Crop Protection, LLC	71512-1-100
Fludioxonil		12		MAXIM 4FS	NA	NA	NA		seed treatment	Syngenta Crop Protection, LLC	100-758
Fludioxonil		12		SPIRATO 480 FS	NA	NA	NA	NA	seed treatment	Nufarm Agricultural Products	55146-116
Fluoxastrobin	Tebuconazole	11;	3	EVITO T	14 days	No	Begin use preventative	0 days for any crop on label; 30 days for many vegetables, cotton, legume vegetables, cereal grains; all other 365 days.		Arysta LifeScience North America LLC	66330-383
Fluoxastrobin		11		AFTERSHOCK	14 days	No	No	365 days of last application if crop not listed on label or 30 days if crop is root vegetable, bulb vegetable, brassica, dry & succulent beans, cotton, cereals		Loveland Products, Inc.	66330-64-34704
Fluoxastrobin		11		EVITO 480 SC	14 days	Yes	Yes	0 days for any crop on label; 30 days for many vegetables, cotton, legume vegetables, cereal grains; all other 365 days.		Arysta LifeScience North America LLC	66330-64
Flutolanil	Propiconazole	7	3	ARTISAN	40 days			12 months except for peanuts, rice, potatoes; 30 days for soybean and wheat; 150 days for other small grains, leafy vegetables; com, cotton, sorghum 240 days after last application.		Nichino America, Inc.	71711-17

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Flutolanil		7		CONVOY	40 days	Yes	No	0 days for cotton, rice, potatoes, soybeans, peanuts; 30 days wheat; 150 days leafy vegetables; 240 days corn, sorghum; 365 days all others.		Nichino America, Inc.	71711-28
Flutriafol		3		TOPGUARD	7 days	No	No	0 days for any crop on label; 180 days sweet corn, cotton; all others 365 days.		Chemnova, Inc.	67760-75
Fluxapyroxad	Pyraclostrobin	7;	11	PRIAXOR	14 days	No	No	0 days for any crop on label most cereals, corn, cotton, soybean, soghum; 14 days rice; all others 365 days.		BASF Ag Products	7969-311
Hydrogen dioxide		Group NA		OXIDATE	0 days	Yes	No timing stated	No mention		BioSafe Systems, LLC	70299-2
Iprodione		2		ENCLOSURE 4	10 days			0 days for beans, broccoli, carrots, cotton, peanuts, potatoes and other vegetable/bulb crops;		Devgen US Inc.	86153-3
Iprodione		2		IPRODIONE 4L AG	10 days	No	No	0 days for rice, cotton, peanuts and some vegetables,		Arysta LifeScience North America LLC	66330-297
Iprodione		2		METEOR	10 days	No	No	0 days for rice, cotton, peanuts and some vegetables,		United Phosphorus, Inc.	70506-243
Iprodione		2		NEVADO 4F	10 days	No	No	0 days for rice, cotton, peanuts and some vegetables,		MANA - Makhteshim Agan of North America, Inc.	66222-144
Iprodione		2		ROVRAL 4 FLOWABLE	10 days	No	No	0 days for many vegetables and cotton, peanuts.		FMC Corporation Agricultural Products Group	279-9564
Iprodione		2		ROVRAL 4 FLOWABLE	10 days	No	No	0 days for many vegetables and cotton, peanuts.		Bayer CropScience	264-482
Mancozeb		M3		DITHANE-F45 RAINSHIELD	14 days	No	Start when disease appears or reported	No mention		Dow AgroSciences LLC	62719-396
Mancozeb		M3		DITHANE-M45	14 days	No	Start when disease appears or reported		seed treatment	Dow AgroSciences LLC	62719-387
Mancozeb		M3		KOVERALL	14 days	No	Apply w			Chemnova, Inc.	67760-110
Mancozeb		M3		MANZATE FLOWABLE	14 days	No	Start when disease appears or reported	No mention		United Phosphorus, Inc.	70506-236
Mancozeb		M3		MANZATE MAX	14 days	No	Start when disease appears or reported	No mention		United Phosphorus, Inc.	70506-194
Mancozeb		M3		MANZATE PRO-STICK	14 days	No	Start when disease appears or reported	No mention		United Phosphorus, Inc.	70506-234
Mancozeb		M3		PENNCOZEB 75DF	14 days	No	No	No mention		United Phosphorus, Inc.	70506-185
Mancozeb		M3		PENNCOZEB 80WP	14 days	No	No	No mention		United Phosphorus, Inc.	70506-183
Mancozeb		M3		ROPER DF RAINSHIELD	14 days	No	Start when disease appears or reported	No mention		Loveland Products, Inc.	34704-1063
Mefenoxam		4		APRON XL	No mention			No mention	seed treatment	Syngenta Crop Protection, LLC	100-799
Mefenoxam		4		RIDOMIL GOLD EC						Syngenta Crop Protection, LLC	100-801
Mefenoxam		4		RIDOMIL GOLD GR	0 days	Yes	No	0 days for any crop on label, 0 days for crops not intended for food and feed, 360 days many small grains, corn		Syngenta Crop Protection, LLC	100-798
Mefenoxam		4		RIDOMIL GOLD SL	?	Yes	No	0 days for any crop on label, 0 days for crops not intended for food and feed, 360 days many small grains, corn		Syngenta Crop Protection, LLC	100-1202

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Mefenoxam		4		ULTRA FLOURISH	No mention	Yes	No	0 days for any crop on label and crops not intended for food; 14 days most cereals other than corn; 9 months corn; all others 365 days.		Nufam Agricultural Products	55146-73
Mefenoxam; PCNB		4;	14	RIDOMIL GOLD PC GR	75 days	Band @ planting	No	0 days for any crop on label, 0 days for crops not intended for food and feed, 360 days many small grains, corn		Syngenta Crop Protection, LLC	100-823
Metalaxyl		4		ACQUIRE						BASF Ag Products	71532-22-7969
Metalaxyl		4		ALLEGIANCE FL	NA	No	No	No mention	seed treatment	Bayer CropScience	264-935
Metalaxyl		4		ALLEGIANCE LS	NA	No	No	No mention	seed treatment	Bayer CropScience	264-956
Metalaxyl		4		METASTAR 2E	No mention	Yes	No	0 days for most vegetables, soybeans or non-food crops; 14 days for cereal grains other than corn; 9 months corn; all others for food or feed 365 days.		LG Life Sciences	71532-5-73006
Metalaxyl		4		METASTAR ST SEED TREATMENT		NA	NA		seed treatment	LG Life Sciences	71532-22-73006
Metalaxyl		4		SEBRING 318 FS	NA	NA	NA		seed treatment	Nufam Agricultural Products	55146-107
Metalaxyl		4		SEBRING 480 FS	NA	NA	NA		seed treatment	Nufam Agricultural Products	55146-106
Metconazole		3		QUASH	14 days	No	No	0 days for crops listed on label and barley, oats, peanut, rye, soybean, wheat; 30 day leafy vegetables; 120 days all others 365 days.		Valent U.S.A. Corporation Agricultural Products	59639-147
PCNB		14		BLOCKER 4F	45 days	Yes	No	12 months for root crops not labeled		Amvac Chemical Corporation	5481-8992
Penthiopyrad		7		FONTELIS	14 days	No	No	0 days for many crops grown in MS		DuPont Crop Protection	352-834
Phosphorous acid, mono- and dipotassium salts		33		CONFINE EXTRA	No mention	No	No	No mention		Winfield Solutions LLC	1381-244
Phosphorous acid, mono- and dipotassium salts		33		K-PHITE 7LP AG	0 days	No	No	No mention		Plant Food Systems, Inc.	73806-1
Potassium phosphite	Tebuconazole	33;	3	VIATHON	14 days	No	No	0 days peanuts, soybeans, wheat, barley, sunflower; 120 days all others.		Helena Chemical Company	42519-35-5905
Potassium phosphite		33		FOSPHITE	0 days	No	No	No mention		JH Biotech, Inc.	68573-2
Potassium phosphite		33		HELENA PROPHYT	0 days	No	No	No mention		Helena Chemical Company	42519-22-5905
Potassium phosphite		33		RAMPART	0 days	No	No	No mention		Loveland Products, Inc.	34704-924
Propiconazole	Thiophanate-methyl	3;	1	PROTOCOL	14 days for 4 oz 21 days 8 oz	No	No	0 days for any crop on label; 105 days other crops.		Loveland Products, Inc.	34704-1064
Propiconazole	Trifloxystrobin	3	11	STRATEGO	14 days	No	No	0 days for any crop on label; most cereals, corn, cotton, soybean, sorghum; 14 days rice; all others 365 days.		Bayer CropScience	264-779
Propiconazole		3		AMTIDE PROPICONAZOLE 41.8% EC	14 days	No	No	Anytime for crops on label; 75 days for alfalfa; Others 105 days.		AmTide, LLC	83851-10
Propiconazole		3		BUMPER 41.8 EC	14 days	No	No	75 days Alfalfa; 105 days for unlabeled crops that are for food, grazing, animal feed or bedding		MANA - Makhteshim Agan of North America, Inc.	66222-42
Propiconazole		3		BUMPER ES	14 days	No	No	75 days Alfalfa; 105 days for unlabeled crops that are for food, grazing, animal feed or bedding		MANA - Makhteshim Agan of North America, Inc.	66222-241
Propiconazole		3		FITNESS	14 days for 4 oz 21 days 8 oz	No	Begin use preventatively	0 days for any crop on label; else 105 days (exception alfalfa)		Loveland Products, Inc.	34704-1031

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Propiconazole		3		PROPI-STAR EC	14 days for 4 oz 21 days 8 oz	No	No	0 days for any crop on label; 105 days other crops.		Albaugh, Inc./Agri Star	42750-211
Propiconazole		3		PROPIMAX EC	14 days for 4 oz 21 days 8 oz	No	No	0 days for any crop on label; 105 days other crops.		Dow AgroSciences LLC	62719-346
Propiconazole		3		SHAR-SHIELD PPZ	14 days	No	No	0 days for any crop on label; 105 days other crops.		Sharda USA LLC	83529-22
Propiconazole		3		TILT	14 days	No	No	0 days for any crop on label; 105 days other crops.		Syngenta Crop Protection, LLC	100-617
Propiconazole		3		TOPAZ	14 days	No	No	0 days for any crop on label; 105 days other crops.		Winfield Solutions LLC	42750-211-1381
Prothioconazole	Tebuconazole	3;	3	PROVOST 433 SC	14 days	No	Yes?	0 days for any crop on label; 30 days for other crops.		Bayer CropScience	264-861
Prothioconazole		3		PROLINE 480 SC	14 days	Yes	Yes	0 days for any crop on label; 30 days for all other crops.		Bayer CropScience	264-825
Pyraclostrobin		11		HEADLINE	14 days	No	Begin use preventatively	0 days for any crop on label; 14 days for all other crops.		BASF Ag Products	7969-186
Pyraclostrobin		11		HEADLINE SC						BASF Ag Products	7969-289
Streptomyces lydicus WYEC 108		Group Biological		ACTINOGROW	0	Yes	Anytime		seed treatment	Natural Industries, Inc.	73314-1
Sulfur		M2		MICROFINE SULFUR	No mention	No	No	No mention		Loveland Products, Inc.	6325-13-34704
Sulfur		M2		MICROTHIOL DISPERSS	No mention	No	No	No mention		United Phosphorus, Inc.	70506-187
Sulfur		M2		YELLOW JACKET WETTABLE SULFUR	No mention	No	No	No mention		Georgia Gulf Sulfur Corporation	6325-13
Tebuconazole		3		MONSOON	14 days	No	No	No mention		Loveland Products, Inc.	34704-900
Tebuconazole		3		MUSCLE 3.6F	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		SipcamAdvan	60063-29
Tebuconazole		3		ONSET 3.6L	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		Winfield Solutions LLC	1381-203
Tebuconazole		3		ORIOUS 20AQ	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		MANA - Makhteshim Agan of North America, Inc.	66222-128
Tebuconazole		3		ORIOUS 3.6 F	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		MANA - Makhteshim Agan of North America, Inc.	66222-117
Tebuconazole		3		TEBU-CROP 3.6F	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		Sharda USA LLC	83529-11
Tebuconazole		3		TEBUSTAR 3.6L	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		Albaugh, Inc./Agri Star	42750-99
Tebuconazole		3		TEBUZOL 3.6F	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		United Phosphorus, Inc.	70506-114
Tebuconazole		3		TOLEDO	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		Rotam North America, Inc.	83100-1-83979
Tebuconazole;	Trifloxystrobin	3	11	ABSOLUTE 500 SC	14 days	No		120 days of harvest if not barley, corn, soybean, wheat	seed treatment	Bayer CropScience	264-849
Thiophanate-methyl		1		INCOGNITO 4.5 F	14 days	No	No	No mention		MANA - Makhteshim Agan of North America, Inc.	66222-134
Thiophanate-methyl		1		NUFARM T-METHYL 4.5 F	14 days	No	No	No mention		Nufarm Agricultural Products	228-652
Thiophanate-methyl		1		NUFARM T-METHYL 70 WSB	14 days	No	No	No mention		Nufarm Agricultural Products	228-655
Thiophanate-methyl		1		ST-METHYL 540 FS	NA	NA	NA	NA	seed treatment	Nufarm Agricultural Products	55146-127

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Thiophanate-methyl		1		THIOPHANATE METHYL 85-WDG	14 days	No	No	No mention		MANA - Makhateshim Agan of North America, Inc.	66222-145
Thiophanate-methyl		1		TOPSIN 4.5FL	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-13-70506
Thiophanate-methyl		1		TOPSIN M 70WDG	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-18-70506
Thiophanate-methyl		1		TOPSIN M 70WP	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-11-70506
Thiophanate-methyl		1		TOPSIN M WSB	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-16-70506
Thiram		M3		SIGNET 480 FS	NA	NA	NA	NA	seed treatment	Nufarm Agricultural Products	45728-26-55146
Trichoderma asperellum (ICC 012)	Trichoderma gamsii (ICC 080)	Group Biological	Group biological	BIO-TAM	No mention	Yes	Yes	No mention		AgraQuest, Inc.	80289-9-69592
Trifloxystrobin		11		TRILEX FLOWABLE	NA	NA	NA	0 days for any crop on label; all others 30 days.	seed treatment	Bayer CropScience	264-989
Chlorothalonil	Tebuconazole	M5	3	ECHO 720 WITH MUSCLE (co-pack)	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		SipcamAdvan	
Chlorothalonil	Tebuconazole			MUSCLE ADV	14 days	No	No	0 days for any crop on label; 120 days for all other crops.		SipcamAdvan	