

byActiveIngredient

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	Metaxyl; 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		CUPROFIX-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

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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
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./Agri 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

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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; corn, cotton, sorghum 240 days after last application.		Nichino America, Inc.	71711-17
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.		Cheminova, Inc.	67760-75
Fluxapyroxad	Pyraclostrobin	7;	11	PRIAXOR	14 days	No	No	0 days for any crop on label most cereals, com, 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		No mention		Dow AgroSciences LLC	62719-396
Mancozeb		M3		DITHANE-M45	14 days	No			seed treatment	Dow AgroSciences LLC	62719-387
Mancozeb		M3		KOVERALL	14 days	No				Cheminova, Inc.	67760-110
Mancozeb		M3		MANZATE FLOWABLE	14 days	No		No mention		United Phosphorus, Inc.	70506-236
Mancozeb		M3		MANZATE MAX	14 days	No		No mention		United Phosphorus, Inc.	70506-194
Mancozeb		M3		MANZATE PRO-STICK	14 days	No		No mention		United Phosphorus, Inc.	70506-234
Mancozeb		M3		PENNZOZEB 75DF	14 days	No	No	No mention		United Phosphorus, Inc.	70506-185
Mancozeb		M3		PENNZOZEB 80WP	14 days	No	No	No mention		United Phosphorus, Inc.	70506-183
Mancozeb		M3		ROPER DF RAINSHIELD	14 days	No		No mention		Loveland Products, Inc.	34704-1063

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29		Fluazinam		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
3		Tebuconazole		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
3		Tebuconazole		ORIU 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
3		Tebuconazole		ORIU 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
Group NA		Hydrogen dioxide		OXIDATE	0 days	Yes	No timing stated	No mention		BioSafe Systems, LLC	70299-2
M3		Mancozeb		PENNCOZEB 75DF	14 days	No	No	No mention		United Phosphorus, Inc.	70506-185
M3		Mancozeb		PENNCOZEB 80WP	14 days	No	No	No mention		United Phosphorus, Inc.	70506-183
7	11	Fluxapyroxad	Pyraclostrobin	PRIAXOR	14 days	No	No	0 days for any crop on label most cereals, corn, cotton, soybean, sorghum; 14 days rice; all others 365 days.		BASF Ag Products	7969-311
3		Prothioconazole		PROLINE 480 SC	14 days	Yes	Yes	0 days for any crop on label; 30 days for all other crops.		Bayer CropScience	264-825
3		Propiconazole		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./Agrif Star	42750-211
3		Propiconazole		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
3	1	Propiconazole	Thiophanate-methyl	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
3	3	Prothioconazole	Tebuconazole	PROVOST 433 SC	14 days	No	Yes?	0 days for any crop on label; 30 days for other crops.		Bayer CropScience	264-861
3		Metconazole		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
33		Potassium phosphite		RAMPART	0 days	No	No	No mention		Loveland Products, Inc.	34704-924
P		Extract of Reynoutria sachalinensis		REGALIA (CAUTION)	0 days	Yes	Yes	No mention		Marrone Bio Innovations	84059-3
4		Mefenoxam		RIDOMIL GOLD EC						Syngenta Crop Protection, LLC	100-801
4		Mefenoxam		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, com		Syngenta Crop Protection, LLC	100-798
4	14	Mefenoxam; PCNB		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, com		Syngenta Crop Protection, LLC	100-823
4		Mefenoxam		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, com		Syngenta Crop Protection, LLC	100-1202
M3		Mancozeb		ROPER DF RAINSHIELD	14 days	No	Start when disease appears or reported	No mention		Loveland Products, Inc.	34704-1063
2		Iprodione		ROVRAL 4 FLOWABLE	10 days	No	No	0 days for many vegetables and cotton, peanuts.		FMC Corporation Agricultural Products Group	279-9564
2		Iprodione		ROVRAL 4 FLOWABLE	10 days	No	No	0 days for many vegetables and cotton, peanuts.		Bayer CropScience	264-482
4		Metalaxyl		SEBRING 318 FS	NA	NA	NA		seed treatment	Nufarm Agricultural Products	55146-107
4		Metalaxyl		SEBRING 480 FS	NA	NA	NA		seed treatment	Nufarm Agricultural Products	55146-106
44		Bacillus subtilis strain QST 713		SERENADE ASO	0 days	No	When conditions conducive, soon after emergence	No mention		AgraQuest, Inc.	69592-12

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44		Bacillus subtilis strain QST 713		SERENADE MAX	0 days	No	When conditions conducive, soon after emergence	No mention		AgraQuest, Inc.	69592-11
44		Bacillus subtilis strain QST 713		SERENADE OPTIMUM	0 days	No	When conditions conducive, soon after emergence	No mention		Bayer CropScience	264-1160
44		Bacillus subtilis strain QST 713		SERENADE SOIL	0 days	Yes	Yes	No mention		AgraQuest, Inc.	69592-12
3		Propiconazole		SHAR-SHIELD PPZ	14 days	No	No	0 days for any crop on label; 105 days other crops.		Sharda USA LLC	83529-22
M3		Thiram		SIGNET 480 FS	NA	NA	NA	NA	seed treatment	Nufarm Agricultural Products	45728-26-55146
12		Fludioxonil		SPIRATO 480 FS	NA	NA	NA	NA	seed treatment	Nufarm Agricultural Products	55146-116
1		Thiophanate-methyl		ST-METHYL 540 FS	NA	NA	NA	NA	seed treatment	Nufarm Agricultural Products	55146-127
3	11	Propiconazole	Trifloxystrobin	STRATEGO	14 days	No	No	0 days for any crop on label; most cereals, corn, cotton, soybean, soghum; 14 days rice; all others 365 days.		Bayer CropScience	264-779
4	14	Bacillus subtilis strain GBO3	Metalaxyl; PCNB	SYSTEM 3 SEED TREATMENT	NA	NA	NA	NA	seed treatment	Helena Chemical Company	264-953-5905
3		Tebuconazole		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
3		Tebuconazole		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
3		Tebuconazole		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
1		Thiophanate-methyl		THIOPHANATE METHYL 85-WDG	14 days	No	No	No mention		MANA - Makhteshim Agan of North America, Inc.	66222-145
3		Propiconazole		TILT	14 days	No	No	0 days for any crop on label; 105 days other crops.		Syngenta Crop Protection, LLC	100-617
M5	3	Chlorothalonil	Propiconazole	TILT BRAVO SE	14 days	No	No	0 days for any crop on label; 105 days other crops.		Syngenta Crop Protection, LLC	100-1192
3		Tebuconazole		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
M1	M2	Basic Copper sulfate; Sulfur		TOP COP WITH SULFUR	No mention	No	No	No mention		Stoller Enterprises, Inc.	57538-6
3		Propiconazole		TOPAZ	14 days	No	No	0 days for any crop on label; 105 days other crops.		Winfield Solutions LLC	42750-211-1381
3		Flutriafol		TOPGUARD	7 days	No	No	0 days for any crop on label; 180 days sweet corn, cotton; all others 365 days.		Cheminova, Inc.	67760-75
1		Thiophanate-methyl		TOPSIN 4.5FL	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-13-70506
1		Thiophanate-methyl		TOPSIN M 70WDG	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-18-70506
1		Thiophanate-methyl		TOPSIN M 70WP	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-11-70506
1		Thiophanate-methyl		TOPSIN M WSB	14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-16-70506
11		Trifloxystrobin		TRILEX FLOWABLE	NA	NA	NA	0 days for any crop on label; all others 30 days.	seed treatment	Bayer CropScience	264-989
4		Mefenoxam		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.		Nufarm Agricultural Products	55146-73
11	4	Azoxystrobin	Mefenoxam	UNIFORM	?	No	No	No mention		Syngenta Crop Protection, LLC	100-1187
33;	3	Potassium phosphite	Tebuconazole	VIATHON	14 days	No	No	0 days peanuts, soybeans, wheat, barley, sunflower; 120 days all others.		Helena Chemical Company	42519-35-5905
M2		Sulfur		YELLOW JACKET WETTABLE SULFUR	No mention	No	No	No mention		Georgia Gulf Sulfur Corporation	6325-13
Group Biological		Bacillus pumilus GB34		YIELD SHIELD BIOLOGICAL	NA	NA	Na	NA	seed treatment	Bayer CropScience	264-985

byTradeName

Trade Name	Common Name 1	Common Name 2	FRAC code 1	FRAC Code 2	Pre Harvest Interval (days)	In-furrow	100%-emergence	Rotation	Comments/ other uses	Company	EPA Reg. No
TILT BRAVO SE	Chlorothalonil	Propiconazole	M5	3	14 days	No	No	0 days for any crop on label; 105 days other crops.		Syngenta Crop Protection, LLC	100-1192
TOLEDO	Tebuconazole		3		14 days	No	No	0 days for any crop on label; 120 days for all other crops.		Rotam North America, Inc.	83100-1-83979
TOP COP WITH SULFUR	Basic Copper sulfate; Sulfur		M1	M2	No mention	No	No	No mention		Stoller Enterprises, Inc.	57538-6
TOPAZ	Propiconazole		3		14 days	No	No	0 days for any crop on label; 105 days other crops.		Winfield Solutions LLC	42750-211-1381
TOPGUARD	Flutriafol		3		7 days	No	No	0 days for any crop on label; 180 days sweet corn, cotton; all others 365 days.		Cheminova, Inc.	67760-75
TOPSIN 4.5FL	Thiophanate-methyl		1		14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-13-70506
TOPSIN M 70WDG	Thiophanate-methyl		1		14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-18-70506
TOPSIN M 70WP	Thiophanate-methyl		1		14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-11-70506
TOPSIN M WSB	Thiophanate-methyl		1		14 days	No	No	0 days for any crop on label, 30 days all others.		United Phosphorus, Inc.	73545-16-70506
TRILEX FLOWABLE	Trifloxystrobin		11		NA	NA	NA	0 days for any crop on label; all others 30 days.	seed treatment	Bayer CropScience	264-989
ULTRA FLOURISH	Mefenoxam		4		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.		Nufarm Agricultural Products	55146-73
UNIFORM	Azoxystrobin	Mefenoxam	11	4	?	No	No	No mention		Syngenta Crop Protection, LLC	100-1187
VIATHON	Potassium phosphite	Tebuconazole	33;	3	14 days	No	No	0 days peanuts, soybeans, wheat, barley, sunflower; 120 days all others.		Helena Chemical Company	42519-35-5905
YELLOW JACKET WETTABLE SULFUR	Sulfur		M2		No mention	No	No	No mention		Georgia Gulf Sulfur Corporation	6325-13
YIELD SHIELD BIOLOGICAL	Bacillus pumilus GB34		Group Biological		NA	NA	Na	NA	seed treatment	Bayer CropScience	264-985