

What's on your seed?

Damon Smith, Assistant Professor of Plant Pathology

Richard Proost, Nutrient and Pest Management Program

Seed treatments have been used for a number of years, mostly for protection against seedling diseases. However, there are a number of new seed treatments marketed for protection against a range of pests—including seedling diseases, insects and nematodes—and even improving plant health.

The purpose of this publication is to take some of the confusion of seed treatments away, giving you a better understanding of what is on your seed. The list covers seed treatments registered in the state of Wisconsin for use on corn, soybean, small grain and/or alfalfa seed. The seed treatments are grouped by the number of active ingredients (1-6), treatment type (fungicide, insecticide, nematocide or plant growth regulator) and then alphabetically by the product trade name. The list is not based on efficacy of the seed treatments and is not an endorsement or criticism of one product over another. You are responsible for using pesticides according to the manufacturer's current label directions.

Treatment Type Legend

- F** Fungicide
- I** Insecticide
- N** Nematicide
- P** Plant Growth Regulator

Active Ingredient (s)	Product Trade Name	Crop
F azoxystrobin	Dynasty®	Corn, Soybean, Small Grains, Alfalfa
F <i>Bacillus pumilus</i>	Sonata®	Corn, Soybean, Small Grains, Alfalfa
F <i>Bacillus subtilis</i>	HiStick® N/T	Soybean, Alfalfa
	Integral®	Corn, Soybean, Small Grains, Alfalfa
	Kodiak®	Corn, Soybean, Small Grains, Alfalfa
	Serenade® ASO	Corn, Soybean, Small Grains, Alfalfa
	Subtilex® NG	Corn, Soybean, Small Grains, Alfalfa
	Taegro® Biofungicide	Corn, Soybean, Small Grains
F captan	Captan 4L	Corn, Soybean, Small Grains, Alfalfa
F copper hydroxide	Champ® Formula 2	Small Grains
F copper hydroxide + mancozeb	DuPont™ ManKocide®	Small Grains
F ethaboxam	Intego™ Solo	Corn, Small Grains
F fludioxonil	Agri Star® Fludioxonil 4I ST	Corn, Soybean, Small Grains, Alfalfa
	Dyna-shield® Fludioxonil	Corn, Soybean, Small Grains, Alfalfa
	Maxim® 4 FS	Corn, Soybean, Small Grains, Alfalfa
	Spirato™ 480 FS	Corn, Soybean, Small Grains, Alfalfa
F fluopyram	ILeVO	Soybean
F fluxapyroxad	Acceleron™ DX-612	Corn, Soybean, Small Grains
	Systiva® XS Xemium	Corn, Soybean, Small Grains
F ipconazole	Acceleron™ DC-509	Corn
	Acceleron™ DX-509	Corn
	Rancona® 3.8 FS	Corn, Soybean, Small Grains
	Vortex®	Corn
F mancozeb	Dithane® F45 Rainshield®	Corn, Small Grains
	Dithane M45®	Corn, Small Grains
	Manzate® Flowable	Corn, Small Grains
	Penncozeb® 75DF	Corn, Small Grains
	Penncozeb® 80WP	Corn, Small Grains
	Manzate ProStick™	Corn, Small Grains

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Active Ingredient (s)	Product Trade Name	Crop
F mefenoxam	Apron® XL	Corn, Soybean, Small Grains
F metalaxyl	Acceleron™ DC-309	Corn, Soybean, Small Grains, Alfalfa
	Acceleron® DX-309	Corn, Soybean, Small Grains, Alfalfa
	Acquire™	Corn, Soybean, Small Grains, Alfalfa
	Agri Star Metalaxyl® 265 ST	Corn, Soybean, Small Grains, Alfalfa
	Allegiance® FL	Corn, Soybean, Small Grains
	Allegiance® LS	Corn, Soybean, Small Grains, Alfalfa
	Belmont™ 2.7 FS	Corn, Soybean, Small Grains, Alfalfa
	Dyna-shield® Metalaxyl	Corn, Soybean, Small Grains, Alfalfa
	Dyna-Shield® Metalaxyl 318 FS	Corn, Soybean, Small Grains, Alfalfa
	Metalaxyl 4.0 ST	Corn, Soybean, Small Grains
	Sebring™ 318 FS	Corn, Soybean, Small Grains, Alfalfa
	Sebring™ 480 FS	Corn, Soybean, Small Grains, Alfalfa
F metconazole	Metlock®	Corn, Small Grains
F penflufen	Acceleron® D-805	Corn, Soybean, Small Grains, Alfalfa
	Emesto Prime	Corn, Soybean, Small Grains, Alfalfa
F prothioconazole	Proline® 480 SC	Corn, Soybean, Small Grains, Alfalfa
	Acceleron D-342	Corn, Soybean, Small Grains, Alfalfa
F pyraclostrobin	Acceleron® DX-109	Corn, Soybean, Small Grains, Alfalfa
	Cabrio™ EG	Corn, Small Grains
	Stamina®	Corn, Soybean, Small Grains, Alfalfa
F <i>Reynoutria sachalinensis</i>	Regalia®	Corn, Soybean, Small Grains
	Regalia® Rx	Corn, Soybean, Small Grains
	Regalia® PT0	Corn, Soybean, Small Grains
F sedaxane	Vibrance™ Fungicide	Corn, Soybean, Small Grains
F <i>Streptomyces lydicus</i>	Actinovate® AG	Corn, Soybean, Small Grains
F tebuconazole	Agri Star® TebuStar® 250 ST	Corn, Small Grains
	Armortech® Teb 360 XL	Corn

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Active Ingredient (s)	Product Trade Name	Crop
F	tebuconazole (cont'd)	Corn, Small Grains
	Tebucon 3.6F	Corn
	Tebu-Crop 3.6F	Corn
	Tebucure Fungicide 3.6	Corn
	Tebuzol™ 3.6F	Corn
	Tebuconazole 3.6 AG	Corn
	Tebuconazole 3.6 Select Vibe	Corn
F	thiabendazole	Soybean, Small Grains
F	thiophanate-methyl	Soybean, Small Grains
F	thiram	Corn, Soybean, Small Grains
	Thiram® Granuflo	Corn, Soybean, Small Grains
F	tolclofos-methyl	Corn, Soybean, Small Grains, Alfalfa
F	<i>Trichoderma harzianum</i> Rifai	Corn, Soybean, Small Grains, Alfalfa
F	trifloxystrobin	Corn, Soybean, Small Grains
	Flint®	Corn, Small Grains
	Trilex® Flowable	Corn, Soybean, Small Grains
F	triticonazole	Small Grains
I	chlorantraniliprole	Corn
I	chlorpyrifos	Corn
I	clothianidin	Corn, Soybean, Small Grains
	NipsIt INSIDE®	Corn, Soybean, Small Grains
	Poncho® 600	Corn, Soybean, Small Grains
I	imidacloprid	Corn, Small Grains
	Agri Star® Macho™ 600 ST	Corn, Soybean, Small Grains
	Attendant® 480 FS	Corn, Soybean, Small Grains
	Attendant® 600	Corn, Soybean, Small Grains
	AXCESS™	Corn, Soybean, Small Grains

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Active Ingredient (s)	Product Trade Name	Crop
I	imidacloprid (cont'd)	Dyna-Shield® Imidacloprid 5 Corn, Soybean, Small Grains
		Gaucho® 480 Flowable Corn, Soybean, Small Grains
		Gaucho® 600 Flowable Corn, Small Grains
		Gaucho® SB Flowable Corn, Soybean, Small Grains
		Macho® 480 ST Corn, Soybean, Small Grains
		Nuprid® 4.6f Pro Soybean
		Senator® 600 FS Corn, Soybean, Small Grains
		Sharda Imidacloprid 5SC Corn, Soybean, Small Grains
I	thiamethoxam	Cruiser® 5FS Corn, Soybean, Small Grains, Alfalfa
N	abamectin	Avicta® 500 FS Corn, Soybean
N	<i>Bacillus firmus</i>	VOTiVO™ FS Corn, Soybean, Small Grains, Alfalfa
N	<i>Pasteuria nishizawae</i>	Clariva pn Soybean
P	abscisic acid	Massivo™ Bionik™ Corn
P	cytokinin	Soil X-Cyto® Soybean, Small Grains
		Soil Triggrr® Soybean, Small Grains
		X-Cyte® Corn, Soybean, Small Grains, Alfalfa
P	gibberellic acid	Release® LC Corn, Small Grains
		Ryzup Smartgrass® Small Grains
P	harpin alpha beta protein	Abpro™ (component B) Corn, Soybean, Small Grains, Alfalfa
		Acceleron™ HX-209 Corn, Soybean, Small Grains, Alfalfa
		Employ® Corn, Soybean, Small Grains, Alfalfa
		Messenger® Gold Corn, Soybean, Small Grains, Alfalfa
		N-Hibit® HX-209 Corn, Soybean, Small Grains, Alfalfa
		ProAct® Corn, Soybean, Small Grains, Alfalfa
P	indole butyric acid	KickStand™ PGR Corn, Soybean, Small Grains
P	<i>Quinoa saponins</i>	Heads Up® Plant Protectant Corn, Soybean, Small Grains
		Heads Up® Seed Treatment Corn, Soybean, Small Grains

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Active Ingredient (s)		Product Trade Name	Crop
I N	thiamethoxam, abamectin	Avicta® Duo Corn	Corn
		Avicta® Duo 250	Corn
	clothianidin, <i>Bacillus firmus</i>	Poncho® VOTiVO™	Corn, Soybean
	<i>Chromobacterium subtsugae</i>	Grandevo®	Corn, Soybean
		Grandevo® PTO	Corn, Soybean
F F	carboxin, captan	Enhance®	Soybean, Small Grains
	carboxin, thiram	Vitaflo™ 280	Corn, Soybean, Small Grains
		Hm-1345 Flowable	Corn, Soybean, Small Grains
	difenoconazole, mefenoxam	Dividend XL RTA®	Small Grains
		Dividend Extreme®	Small Grains
	ipconazole, metalaxyl	Warden® Cereals	Small Grains
	mefenoxam, fludioxonil	Maxim® XL	Corn, Soybean, Small Grains, Alfalfa
		ST Warden® RTA®	Soybean
		Apron MAXX® RFC	Soybean
		Apron MAXX® RTA® + Moly	Soybean
		Apron MAXX® RTA®	Soybean
	metalaxyl, ipconazole	Rancona® CTS	Soybean, Small Grains
		Rancona® Summit	Soybean, Small Grains
		Rancona® Xxtra	Soybean
		Rancona® Xxtra Pro	Soybean
	metalaxyl, metconazole	Metlock® Ct Fungicide	Corn, Small Grains
	penflufen, prothioconazole	Emesto™ Silver	Small Grains
	pyraclostrobin, boscalid	Coronet™	Soybean
	tebuconazole, metalaxyl	Raxil® MD	Small Grains
		Dyna-shield® Foothold™	Small Grains
		Dyna-shield® Small Grains™	Small Grains
		Sativa™ M RTU	Small Grains

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Active Ingredient (s)	Product Trade Name	Crop
F F tebuconazole, thiram	Raxil®-thiram	Small Grains
trifloxystrobin, metalaxyl	Trilex® AI	Soybean
	Trilex® 2000	Corn, Soybean
triticonazole, metalaxyl	Charter® F2	Small Grains
P P P cytokinin, gibberellic acid, indole butyric acid	Stimulate™ Yield Enhancer	Corn, Soybean, Small Grains
	Ascend™	Corn, Soybean, Small Grains, Alfalfa
	Gravity® SL PGS	Corn, Soybean, Small Grains, Alfalfa
indole butyric acid, salicylic acid, chitosan	Consensus™ Seed Treatment	Corn, Soybean, Small Grains
F F F captan, carboxin, metalaxyl	Bean Guard®/ Allegiance®	Soybean
carboxin, metalaxyl, ipconazole	Rancona® V RTU FS	Soybean, Small Grains
mefenoxam, difenoconazole, sedaxane	Vibrance™ Extreme	Small Grains
metalaxyl, penflufen, prothioconazole	Evergol Energy SB	Corn, Soybean, Small Grains, Alfalfa
metalaxyl, pyraclostrobin, triticonazole	Stamina® F3 HL	Small Grains
	Stamina® F3 Cereals	Small Grains
prothioconazole, penflufen, metalaxyl	EverGol™ Energy	Corn, Soybean, Small Grains, Alfalfa
prothioconazole, tebuconazole, metalaxyl	Proceed™ Concentrate	Small Grains
	Proceed™ MD	Small Grains
tebuconazole, metalaxyl, imazalil	Raxil® MD Extra	Small Grains
F F I captan, carboxin, imidacloprid	Enhance® AW	Soybean, Small Grains
mefenoxam, fludioxonil, thiamethoxam	CruiserMaxx®	Soybean
	CruiserMaxx® Advanced	Soybean
	CruiserMaxx® EZ	Soybean
ipconazole, metalaxyl, imidacloprid	Warden® Cereals HR	Small Grains
	Warden® Cereals WR	Small Grains
metalaxyl, tebuconazole, imidacloprid	Dyna-shield® Foothold™ Extra	Small Grains
	Sativa® IM RTU Seed Treatment	Small Grains
	Sativa® IM Max	Small Grains

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Active Ingredient (s)					Product Trade Name	Crop		
F	F	I	metalaxyl, ipconazole, clothianidin	Inovate® Pro Seed Protectant	Soybean			
				Inovate® Seed Protectant	Soybean			
			metalaxyl, metconazole, clothianidin	NipsIt™ Suite Cereals	Small Grains			
			mefenoxam, difenoconazole, thiamethoxam	Cruiser Maxx® Cereals	Small Grains			
F	F	F	F	azoxystrobin, fludioxonil, mefenoxam, thiabendazole	Maxim® Quattro	Corn		
F	F	F	I	azoxystrobin, fludioxonil, mefenoxam, thiamethoxam	Seed Shield®	Soybean		
				mefenoxam, fludioxonil, sedaxane, thiamethoxam	CruiserMaxx® Vibrance	Corn, Soybean, Small Grains, Alfalfa		
					Warden® CX	Soybean		
				sedaxane, mefenoxam, difenoconazole, thiamethoxam	Cruiser Maxx® Vibrance™ Cereals	Corn, Soybean, Small Grains		
				mefenoxam, fluioxonil, thiabendazole, thiamethoxam	Equity™	Soybean		
				tebuconazole, metalaxyl, fludioxonil, imidacloprid	Dyna-Shield® Foothold® Virock	Small Grains		
F	F	F	F	I	mefenoxam, difenoconazole, fludioxonil, sedaxane, thiamethoxam	Sativa® IMF Max	Small Grains	
					Cruiser Vibrance Quattro	Small Grains		
N	F	F	I	abamectin, mefenoxam, fludioxonil, thiamethoxam	Avicta® Complete Beans 500	Soybean		
N	F	F	F	F	I	abamectin, thiabendazole, azoxystrobin, mefenoxam, fluioxonil, thiamethoxam	Avicta® Complete Corn 500	Corn
						Avicta® Complete Corn 250	Corn	

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