What's on your seed?

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Seed treatments have been used for years, mostly for protection against seedling diseases. However, there are a number of treatments marketed for protection against insects and nematodes, and others that promote plant health. The purpose of this publication is to clarify the intended use of treatments registered in Wisconsin for field corn, soybean, small grain and/or alfalfa seed.

Seed treatments are listed by:

- The number of active ingredients, ranging from one to six
- By treatment type: F fungicide I insecticide N nematicide P plant growth regulator
- Then alphabetically by the product trade name

The content of this table 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.

	Type	Active Ingredient(s)	Product Trade Name	Crop(s)
1 Active Ingredient	F	azoxystrobin	Azoxystrobin 100 ST	Corn, Soybean , Small Grains
			Dynasty®	Corn, Soybean, Small Grains
			STartUP AZOXY	Corn, Soybean, Small Grains
	F	*Bacillus amyloliquefaciens*, strain MBI 600	HiStick® N/T Soybean	Soybean
			Integral®	Soybean
			L-2013 P	Corn
			L-2012 R	Corn
	F	*Bacillus amyloliquefaciens*, strain D747	DoubleNickel 55 Biofungicide	Corn, Soybean, Small Grains
	F	*Bacillus pumilus*, strain QST2808	Sonata®	Corn, Soybean, Small Grains
	F	*Bacillus subtilis* var. *amyloliquefaciens*, strain FZB24	Taegro 2	Corn, Soybean, Small Grains
	F	carboxin	Vitavax-34	Corn, Soybean, Small Grains
	F	copper hydroxide	Champ® Formula 2	Small Grains
			NU-COP 3L	Small Grains
	F	difenoconazole	Difenoconazole 3L ST	Small Grains
			Dyna-Shield DEFUZE	Small Grains
			Salient 372 FS	Small Grains
	F	ethaboxam	Intego™ Solo	Corn, Soybean, Small Grains
			Lumiante	Corn, Soybean, Small Grains
	F	fludioxonil	Fludioxonil 4L 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
			STart UP FLUDI	Corn, Soybean, Small Grains, Alfalfa
	F	fluopyram	ILEVO Seed Treatment	Soybean
	F	fluoxastrobin	Acceleron D-281	Corn
			Fluoxastrobin ST	Corn, Soybean, Small Grains
	F	fluxapyroxad	Acceleron™ DX-612	Soybean
			Systiva® XS Xemium	Small Grains
	F	ipconazole	Lumiflex	Corn, Soybean
			Rancona® 3.8 FS	Soybean, Small Grains
			Vortex®	Corn
	F	mancozeb	Dithane® F-45 Rainshield®	Corn
			Dithane M-45®	Corn, Small Grains
			Manzate® Max	Corn
			Manzate ProStick™	Corn, Small Grains
			Penncozeb® 75DF	Corn, Small Grains
			Penncozeb® 80WP	Corn, Small Grains
			STartUp MANZB	Corn, Small Grains
	F	mefenoxam	Apron® XL	Corn, Soybean, Small Grains, Alfalfa
	F	mefentrifluconazole	Relenya	Soybean, Small Grains
	F	metalaxyl	Acceleron® DX-309	Corn, Soybean
			Acquire™	Corn, Soybean, Small Grains, Alfalfa
			Allegiance® FL	Corn, Soybean, Small Grains, Alfalfa
			AXYL-SHIELD ST	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® 265 ST	Corn, Soybean, Small Grains, Alfalfa
			Metalaxyl 4.0 ST	Corn, Soybean, Small Grains, Alfalfa
			My Yield FX1	Corn, Soybean, Small Grains, Alfalfa
			ReCon 4F	Soybean
			Sebring™ 318 FS	Corn, Soybean, Small Grains, Alfalfa
			Sebring™ 480 FS	Corn, Soybean, Small Grains, Alfalfa
			STartUp METXL	Corn, Soybean, Small Grains, Alfalfa
			STartUp METXL 480	Corn, Soybean, Small Grains, Alfalfa
	F	metconazole	Metlock®	Corn, Small Grains
			Metlock CT	Corn, Small Grains
	F	oxathiapiprolin	DuPont Lumisena	Soybean
	F	penflufen	Acceleron® D-805	Corn, Soybean
	F	picoxystrobin	DuPont DPX-YT669 250FS	Corn, Soybean
	F	prothioconazole	Acceleron D-342	Corn
			Redigo 480	Corn, Soybean, Small Grains, Alfalfa
	F	pydiflumetofen	Saltro	Soybean
	F	pyraclostrobin	Acceleron® DX-109	Soybean
			Stamina®	Corn, Soybean, Small Grains, Alfalfa
	F	sedaxane	Vibrance™ Fungicide	Corn, Soybean, Small Grains
	F	*Streptomyces lydicus*, WYEC 108	Actinovate® AG	Corn, Soybean, Small Grains, Alfalfa
			Actinovate® SP	Corn, Soybean, Small Grains, Alfalfa
			Actinovate® STP	Corn, Soybean, Small Grains, Alfalfa
	F	*Streptomyces*, strain K61	MYCOSTOP Biofungicide	Corn, Soybean, Small Grains
	F	tebuconazole	Dyna-Shield Tibet	Corn, Small Grains
			Orius 3.6F	Corn
			TebuStar® 250 ST	Corn, Small Grains
			Raxil® 2.6F	Corn, Small Grains
			Sativa 309 FS	Corn, Small Grains
			STartUP TEBUZ	Corn, Small Grains
			Tebucon 3.6F	Corn
			Tebu-Crop 3.6F	Corn
			Tebuzol™ 3.6F	Corn
			Tebuconazole 3.6 Select	Corn
			Vibe	Corn
			Willowood Teb 3.6SC	Corn
	F	thiabendazole	Thiabendazole 4L ST	Corn, Soybean, Small Grains
			Mertect® 340-F	Soybean, Small Grains, Alfalfa
	F	thiophanate-methyl	Cercobin	Soybean, Small Grains
			Dyna-Shield Teemer	Soybean, Small Grains
			Methyl 4.5L ST	Soybean, Small Grains
			ST-Methyl 540 FS	Soybean, Small Grains
	F	thiram	42-S Thiram	Corn, Soybean, Small Grains
			Thiram 480 DP	Corn, Soybean, Small Grain
			Thiram SC	Corn, Soybean, Small Grains
	F	tolclofos-methyl	Rizolex™	Corn, Soybean, Small Grains, Alfalfa
	F	*Trichoderma harzianum*, Rifai strain T-22	Rootshield WP Biological Fungicide	Corn, Soybean, Small Grains, Alfalfa
	F	trifloxystrobin	Trilex® Flowable	Corn, Soybean, Small Grains, Alfalfa
	I	*Burkholderia spp.*, strain A396	BioST Insecticide 100	Corn, Soybean, Small Grains
	I	chlorantraniliprole	Lumivia™	Corn
	I	*Chromobacterium subtsugae*, strain PRAA4-1	GRANDEVO, GRANDEVO ST	Corn, Soybean, Small Grains
	I	clothianidin	Lumisure	Corn, Soybean, Small Grains
			Nipsit INSIDE®	Corn, Soybean, Small Grains
			Poncho® 600	Corn, Soybean, Small Grains
			Poncho® XC	Soybean, Small Grains
	I	cyantraniliprole	Fortenza	Corn, Soybean
	I	imidacloprid	Acceleron™ IX-409	Soybean
			AXCESS™	Corn, Soybean, Small Grains
			Dyna-Shield® Imidacloprid 5	Corn, Soybean, Small Grains
			Gaucho® 600 Flowable	Corn, Soybean, Small Grains
			Nitro Shield IV	Corn, Soybean, Small Grains
			Resonate 480 ST	Corn, Soybean, Small Grains
			Resonate 600 ST	Corn, Soybean, Small Grains
			Revize Imida ST	Corn, Soybean, Small Grains
			Senator® 600 FS	Corn, Soybean, Small Grains
			Sharda Imidacloprid 5SC	Corn, Soybean, Small Grains
			StartUp IMIDA	Corn, Soybean, Small Grains
	I	thiamethoxam	Cruiser® 5FS	Corn, Soybean, Small Grains
	N	abamectin	Avicta® 500 FS	Soybean
	N	*Bacillus amyloliquefaciens*, strain PTA-4838	Aveo EZ	Soybean
			Lumialza	Corn, Soybean
	N	*Burkholderia spp.* strain A396	BIO ST Nematicide 100	Corn, Soybean, Small Grains
	P	abscisic acid	Massivo™ BioNik™	Corn, Small Grains
	P	cytokinin	Soil X-Cyto®	Corn, Soybean, Small Grains, Alfalfa
			Soil Triggrr®	Corn, Soybean, Small Grains
			X-Cyte®	Corn, Soybean, Small Grains, Alfalfa
	P	gibberellic acid	Release® LC	Corn, Small Grains
	P	harpin alpha beta protein	Fastand	Corn, Soybean, Small Grains
			HM-1734	Soybean
			Inceptive	Corn, Soybean, Small Grains
			N-Hibit® HX-209	Corn, Soybean, Small Grains
	P	indole-3-butyric acid	KickStand™ PGR	Corn, Soybean, Small Grains
	P	lipo-chitooligosaccharide	Torque XL Seed Treatment	Corn
2 Active Ingredients	N N	*bacillus amyloliquefaciens*, strain MBI 600 cis-Jasmone	Trunemco	Corn, Soybean
	I N	thiamethoxam, abamectin	Avicta® Duo 250 Corn	Corn
	I N	clothianidin, *Bacillus firmus*, strain I-1582	Poncho® / Votivo™	Corn, Soybean
	F F	carboxin, captan	Enhance®	Soybean, Small Grains
	F F	carboxin, ipconazole	Rancona V 100 Pro FS	Corn, Soybean, Small Grains
	F F	carboxin, thiram	Vitaflo™ 280	Corn, Soybean, Small Grains
	F F	difenoconazole, mefenoxam	Dividend Extreme®	Small Grains
	F F	fludioxonil, mefenoxam	Apron MAXX® RFC®	Soybean
			Apron MAXX® RTA	Soybean
			Apron MAXX® RTA® + Moly	Soybean
			Maxim® XL	Corn, Soybean, Small Grains, Alfalfa
			Warden® RTA®	Soybean
	F F	fludioxonil, metalaxyl	Dyna-Shield FM	Soybean
			Halifax	Soybean
			Spirato M 185 FS	Soybean
	F F	ipconazole, metalaxyl	Rancona® CTS	Soybean, Small Grains
			Rancona® Summit	Soybean, Small Grains
			Rancona® Xxtra	Soybean
	F F	mancozeb, copper hydroxide	ManKocide	Small Grains
	F F	metalaxyl, metconazole	Metlock® Ct Fungicide	Corn, Small Grains
	F F	metalaxyl, tebuconazole	Dyna-shield® Foothold™	Small Grains
			Dyna-shield® Small Grains™	Small Grains
	F F	metalaxyl, trifloxystrobin	Trilex® 2000	Corn, Soybean
	F F	*Bacillus amyloliquefaciens*, strain MBI 600 *Bacillus subtili*, strain BU1814	Vault IP Plus Biofungicide	Soybean
	F F	*Bacillus amyloliquefaciens, strain* MBI 600 *Bacillus pumilus*, strain BU F-33	PPST2030 G Biofungicide	Soybean
			PA2030 Red Biofungicide	Soybean
3 Active Ingredients	F F F	captan, carboxin, metalaxyl	Bean Guard®/ Allegiance®	Soybean
	F F F	carboxin, ipconazole, metalaxyl	Rancona® V RTU FS	Small Grains
	F F F	difenoconazole, mefenoxam, sedaxane	Vibrance™ Extreme	Small Grains
			Warden Cereals II	Small Grains
	F F F	fludioxonil, mefenoxam, sedaxane	Vibrance Trio	Soybean
	F F F	fludioxonil, metalaxyl, tebuconazole,	Sativa M2F RTU	Small Grains
	F F F	fludioxonil, metalaxyl, thiophanate-methyl	Spirato MTm 285 FS	Soybean
	F F F	metalaxyl, penflufen, prothioconazole	EverGol Energy SB	Soybean
			EverGol™ Energy	Corn, Small Grains, Alfalfa
	F F F	metalaxyl, prothioconazole, tebuconazole	Raxil PRO MD	Small Grains
	F F I	fludioxonil, mefenoxam, thiamethoxam	Adage ST	Soybean
			Upshot Soybeans Seed Treatment	Soybean
	F F I	ipconazole, metalaxyl, imidacloprid	Warden® Cereals HR	Small Grains
	F F I	metalaxyl, tebuconazole, imidacloprid	Dyna-shield® Foothold™ Extra	Small Grains
			Sativa® IM RTU Seed Treatment	Small Grains
			TebuStar IM ST	Small Grains
	F F I	metalaxyl, metconazole, clothianidin	Metlock CT	Corn, Small Grains
			NipsIt™ Suite Cereals	Small Grains
	P P P	cytokinin, gibberellic acid, indole butyric acid	Ascend SL™	Corn, Soybean, Small Grains, Alfalfa
			Ascend PRO	Corn, Soybean, Small Grains, Alfalfa
			Bastion	Corn, Soybean, Small Grains, Alfalfa
			Cygin	Corn, Soybean, Small Grains, Alfalfa
			Hone	Corn, Soybean, Small Grains, Alfalfa
			Pacer	Corn, Soybean, Small Grains, Alfalfa
			Periscope	Corn, Soybean, Small Grains, Alfalfa
			Realize	Corn, Soybean, Small Grains, Alfalfa
			Stimulate™ Yield Enhancer Plus	Corn, Soybean, Small Grains
			Treble	Corn, Soybean, Small Grains, Alfalfa
			Triad	Corn, Soybean, Small Grains, Alfalfa
			Trizon ST	Corn, Soybean, Small Grains, Alfalfa
	P P P	chitosan, indole butyric acid, salicylic acid	Consensus™ Seed Treatment	Soybean, Small Grains, Alfalfa
4 Active Ingredients	F F F F	azoxystrobin, fludioxonil, mefenoxam, thiabendazole	Maxim® Quattro	Corn
	F F F F	fluxapyroxad, metalaxyl, pyraclostrobin, thiophanate-methyl	Obvius Plus	Soybean
	F F F F	fluxapyroxad, metalaxyl, pyraclostrobin, triticonazole	Stamina F4 Cereals	Small Grains
	F F F F	difenoconazole, metalaxyl, tebuconazole, thiabendazole	Cereal Premix F4 RTU ST	Small Grains
			First Defense Cereals ZX	Small Grains
			RightStart Cereals RTU	Small Grains
	F F F I	difenoconazole, mefenoxam, sedaxane, thiamethoxam	Cruiser Maxx® Vibrance® Cereals	Small Grains
	F F F I	difenoconazole, metalaxyl, tebuconazole, imidacloprid	Salient TMI	Small Grains
	F F F I	ethaboxam, metalaxyl, metconazole, clothianidin	Intego Suite Cereals OF	Small Grains
	F F F I	ethaboxam, ipconazole, metalaxyl, clothianidin	Armis-F1	Soybean
			Intego Suite Soybeans	Soybean
	F F F I	fludioxonil, mefenoxam, sedaxane, thiamethoxam	CruiserMaxx® Vibrance	Soybean
			Warden® CX	Soybean
	F F F I	fludioxonil, metalaxyl, thiophanate-methyl, imidacloprid	Spirato IMTm348 FS	Soybean
	F F F I	fludioxonil, metalaxyl, tebuconazole, imidacloprid	Dyna-Shield® Foothold® Virock	Small Grains
			Sativa IMF Sembolite MAX	Small Grains
	F F F I	metalaxyl, prothioconazole, tebuconazole, imidacloprid	Raxil Pro Shield	Small Grains
	N F F I	abamectin, fludioxonil, mefenoxam, thiamethoxam	Avicta® Complete Beans 500	Soybean
5 Active Ingredients	F F F F F	azoxystrobin, fludioxonil, mefenoxam, sedaxane, thiabendazole	Vibrance® Cinco	Corn
	F F F F I	difenoconazole, fludioxonil, mefenoxam, sedaxane, thiamethoxam	Cruiser Vibrance Quattro	Small Grains
			Warden Cereals WR II	Small Grains
	F F F F I	fludioxonil, mefenoxam, picarbutrazox, sedaxane, thiamethoxam	CruiserMaxx® APX	Soybean
	F F F F I	difenoconazole, mefenoxam, sedaxane, thiabendazole, thiamethoxam	Seed Shield MAX Cereals	Small Grains
	F F F F I	azoxystrobin, fludioxonil, mefenoxam, sedaxane, thiamethoxam	Seed Shield MAX Beans	Soybean
6 Active Ingredients	N F F F F I	abamectin, azoxystrobin, fludioxonil, mefenoxam, thiabendazole, thiamethoxam	Avicta® Complete Corn 250	Corn