

# What's on your seed?

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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, nematicide 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
<b>F</b>	azoxystrobin	<b>Dynasty®</b>	Corn, Soybean, Small Grains, Alfalfa
<b>F</b>	<i>Bacillus pumilus</i>	<b>Ballad® Plus</b> <b>Sonata®</b>	Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa
<b>F</b>	<i>Bacillus subtilis</i>	<b>HiStick® N/T</b> <b>Integral®</b> <b>Kodiak®</b> <b>Serenade® ASO</b> <b>Subtilex® NG</b> <b>Taegro® Biofungicide</b>	Soybean, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains
<b>F</b>	captan	<b>Captan 4L</b>	Corn, Soybean, Small Grains, Alfalfa
<b>F</b>	copper hydroxide	<b>Champ® Formula 2</b>	Small Grains
<b>F</b>	copper hydroxide + mancozeb	<b>DuPont™ ManKocide®</b>	Small Grains
<b>F</b>	ethaboxam	<b>Intego™ Solo</b>	Small Grains
<b>F</b>	fludioxonil	<b>Agri Star® Fludioxonil 4I ST</b> <b>Dyna-shield® Fludioxonil</b> <b>Maxim® 4 FS</b> <b>Spirato™ 480 FS</b>	Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa
<b>F</b>	fluxapyroxad	<b>Acceleron™ Dx-612</b> <b>Systiva® Xs Xemium</b>	Soybean, Corn Corn, Soybean, Small Grains
<b>F</b>	ipconazole	<b>Acceleron™ DC-509</b> <b>Acceleron™ DX-509</b> <b>Rancona® 3.8 FS</b> <b>Vortex®</b>	Corn Corn Corn, Soybean, Small Grains Corn
<b>F</b>	mancozeb	<b>Dithane® F45 Rainshield®</b> <b>Dithane M45®</b> <b>Manzate® Flowable</b> <b>Penncozeb® 75DF</b> <b>Penncozeb® 80WP</b> <b>Manzate ProStick™</b>	Corn Corn, Small Grains Corn, Small Grains Corn, Small Grains Corn, Small Grains Corn, Small Grains
<b>F</b>	mefenoxam	<b>Apron® XL</b>	Corn, Soybean, Small Grains

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Active Ingredient (s)	Product Trade Name	Crop
<b>F</b> metalaxyl	<b>Acceleron™ DC-309</b> <b>Acceleron® DX-309</b> <b>Acquire™</b> <b>Agri Star Metalaxyl® 265 ST</b> <b>Allegiance® FL</b> <b>Allegiance® LS</b> <b>Belmont™ 2.7 FS</b> <b>Dyna-shield® Metalaxyl</b> <b>Dyna-Shield® Metalaxyl 318 Fs</b> <b>Metastar™ ST</b> <b>Metalaxyl 4.0 ST</b> <b>Sebring™ 318 FS</b> <b>Sebring™ 480 FS</b>	Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa
<b>F</b> metconazole	<b>Metlock®</b>	Corn, Small Grains
<b>F</b> penflufen	<b>Acceleron® D-805</b> <b>Ernesto Prime</b>	Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa
<b>F</b> prothioconazole	<b>Proline® 480 SC</b>	Corn, Soybean, Small Grains, Alfalfa
<b>F</b> pyraclostrobin	<b>Acceleron® DX-109</b> <b>Cabrio™ EG</b> <b>Stamina®</b>	Corn, Soybean, Small Grains, Alfalfa Corn, Small Grains Corn, Soybean, Small Grains, Alfalfa
<b>F</b> <i>Quinoa saponins</i>	<b>Heads Up© Plant Protectant</b> <b>Heads Up© Seed Treatment</b>	Corn, Soybean, Small Grains Corn, Soybean, Small Grains
<b>F</b> <i>Reynoutria sachalinensis</i>	<b>Regalia®</b> <b>Regalia® Rx</b> <b>Regalia® Pro</b>	Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains
<b>F</b> sedaxane	<b>Vibrance™ Fungicide</b>	Corn, Soybean, Small Grains
<b>F</b> <i>Streptomyces lydicus</i>	<b>Actinovate® AG</b>	Corn, Soybean, Small Grains

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<b>F</b> tebuconazole	<b>Agri Star® TebuStar® 250 ST</b>	Small Grains
	<b>AmTide Tebu 3.6F</b>	Corn
	<b>Armortech® Teb 360 XL</b>	Corn
	<b>Raxil® 2.6F</b>	Corn, Small Grains
	<b>Tebucon 3.6F</b>	Corn
	<b>Tebu-Crop 3.6F</b>	Corn
	<b>Tebucure Fungicide 3.6</b>	Corn
	<b>Tebuzol™ 3.6F</b>	Corn
	<b>Tebuconazole 3.6</b>	Corn
	<b>Tebuconazole 3.6 Select</b>	Corn
	<b>Toledo® 3.6F</b>	Corn
	<b>Vibe</b>	Corn
<b>F</b> thiabendazole	<b>Mertect® 340-F</b>	Soybean, Small Grains
<b>F</b> thiophanate-methyl	<b>St-methyl 540 Fs</b>	Soybean, Small Grains
<b>F</b> thiram	<b>42-S Thiram</b>	Corn, Soybean, Small Grains
	<b>Flowsan®</b>	Corn, Soybean, Small Grains
	<b>Thiram® Granuflo</b>	Corn, Soybean, Small Grains
<b>F</b> tolclofos-methyl	<b>Rizolex™</b>	Corn, Soybean, Small Grains, Alfalfa
<b>F</b> <i>Trichoderma harzianum</i> Rifai	<b>Rootshield® Wp</b>	Corn, Soybean, Small Grains, Alfalfa
<b>F</b> trifloxystrobin	<b>Acceleron® DX-709</b>	Corn, Soybean, Small Grains
	<b>Flint®</b>	Corn, Small Grains
	<b>Trilex® Flowable</b>	Corn, Soybean, Small Grains
<b>F</b> triticonazole	<b>Charter®</b>	Small Grains
<b>I</b> chlorantraniliprole	<b>Lumivia™</b>	Corn
<b>I</b> chlorpyrifos	<b>Lorsban® 50W</b>	Corn
	<b>Pilot™ 4e</b>	Corn
<b>I</b> clothianidin	<b>Acceleron™ IC-609</b>	Corn
	<b>NipsIt INSIDE®</b>	Corn, Soybean, Small Grains
	<b>Poncho® 600</b>	Corn

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<b>I</b> imidacloprid	<b>Acceleron™ IX-409</b>	Corn, Small Grains
	<b>Agri Star® Macho™ 600 ST</b>	Corn, Soybean, Small Grains
	<b>Agrisolutions™ Nitro Shield®</b>	Corn, Soybean, Small Grains
	<b>Attendant® 480 FS</b>	Soybean, Small Grains
	<b>Attendant® 600</b>	Corn, Soybean, Small Grains
	<b>AXCESS™</b>	Corn, Soybean, Small Grains
	<b>Dyna-Shield® Imidacloprid 5</b>	Corn, Soybean, Small Grains
	<b>Gaucho® 480 Flowable</b>	Corn, Soybean, Small Grains
	<b>Gaucho® 600 Flowable</b>	Corn, Soybean, Small Grains
	<b>Gaucho® SB Flowable</b>	Corn, Soybean, Small Grains
	<b>Macho® 480 ST</b>	Corn, Soybean, Small Grains
	<b>Nuprid® 4.6f Pro</b>	Soybean
	<b>Provoke ST</b>	Corn, Soybean, Small Grains
	<b>Senator® 600 FS</b>	Corn, Soybean, Small Grains
	<b>S-Cloprid 4 AG</b>	Corn, Soybean, Small Grains
	<b>Sharda Imidacloprid 5SC</b>	Corn, Soybean, Small Grains
<b>I</b> thiamethoxam	<b>Cruiser® 5FS</b>	Corn, Soybean, Small Grains, Alfalfa
<b>N</b> abamectin	<b>Avicta® 500 FS</b>	Corn, Soybean
<b>N</b> <i>Bacillus firmus</i>	<b>VOTIVO™ FS</b>	Corn, Soybean, Small Grains, Alfalfa
<b>N</b> <i>Pasteuria nishizawae</i>	<b>Clariva Pn</b>	Soybean
	<b>Soyacyst™ ST Plus</b>	Soybean
<b>P</b> abscisic acid	<b>Massivo™ Bionik™</b>	Corn
<b>P</b> cytokinin	<b>Soil X-Cyto®</b>	Soybean, Small Grains
	<b>Soil Triggrr®</b>	Soybean, Small Grains
	<b>X-Cyte®</b>	Corn, Soybean, Small Grains, Alfalfa
<b>P</b> gibberellic acid	<b>Release® LC</b>	Corn, Small Grains
	<b>Ryzup Smartgrass®</b>	Small Grains
<b>P</b> harpin alpha beta protein	<b>Abpro™ (component B)</b>	Corn, Soybean, Small Grains, Alfalfa
	<b>Acceleron™ HX-209</b>	Corn, Soybean, Small Grains, Alfalfa

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	<b>P</b> harpin alpha beta protein	<b>Abpro™ (component B)</b> <b>Acceleron™ HX-209</b> <b>Axiom®</b> <b>Employ®</b> <b>Employ® H&amp;T</b> <b>Messenger® Gold</b> <b>N-Hibit® HX-209</b> <b>ProAct®</b>	Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa
	<b>P</b> indole butyric acid	<b>KickStand™ PGR</b>	Corn, Soybean, Small Grains
<b>I</b> <b>N</b>	thiamethoxam, abamectin	<b>Avicta® Duo Corn</b> <b>Avicta® Duo 250</b>	Corn Corn
	clothianidin, <i>Bacillus firmus</i> <i>Chromobacterium subtsugae</i>	<b>Poncho® VOTiVO™</b> <b>Grandevo®</b> <b>Grandevo® Pto</b>	Corn, Soybean Corn, Soybean Corn, Soybean
<b>F</b> <b>F</b>	carboxin, captan carboxin, thiram	<b>Enhance®</b> <b>Vitaflo™ 280</b> <b>Hm-1345 Flowable</b>	Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains
	difenoconazole, mefenoxam	<b>Dividend XI RTA®</b> <b>Agrisolutions Incentive™ RTA®</b> <b>Dividend Extreme®</b>	Small Grains Small Grains Small Grains
	ipconazole, metalaxyl mefenoxam, fludioxonil	<b>Warden® Cereals</b> <b>Maxim® XL</b> <b>Warden® RTA®</b> <b>Apron MAXX® RFC</b> <b>Apron MAXX® RTA® + Moly</b> <b>Apron MAXX® RTA®</b>	Small Grains Corn, Soybean, Small Grains, Alfalfa Soybean Soybean Soybean Soybean

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<b>F F</b>	metalaxyl, ipconazole	<b>Rancona® CTS</b> <b>Rancona® Summit</b> <b>Rancona® Xxtra</b> <b>Rancona® Xxtra Pro</b>	Soybean, Small Grains Soybean, Small Grains Soybean Soybean
	metalaxyl, metconazole	<b>Metlock® Ct Fungicide</b>	Corn, Small Grains
	penflufen, prothioconazole	<b>Eresto™ Silver</b>	Small Grains
	pyraclostrobin, boscalid	<b>Coronet™</b>	Soybean
	tebuconazole, metalaxyl	<b>Raxil® MD</b> <b>Dyna-shield® Foothold™</b> <b>Dyna-shield® Small Grains™</b> <b>Sativa™ M RTU</b>	Small Grains Small Grains Small Grains Small Grains
	tebuconazole, thiram	<b>Raxil®-thiram</b>	Small Grains
	trifloxystrobin, metalaxyl	<b>Trilex® AI</b> <b>Trilex® 2000</b>	Soybean Corn, Soybean
	triticonazole, metalaxyl	<b>Charter® F2</b>	Small Grains
<b>P P P</b>	cytokinin, gibberellic acid, indole butyric acid	<b>Stimulate™ Yield Enhancer</b> <b>Ascend™</b> <b>Gravity® Pgs</b>	Corn, Soybean, Small Grains Corn, Soybean, Small Grains, Alfalfa Corn, Soybean, Small Grains, Alfalfa
	indole butyric acid, salicylic acid, chitosan	<b>Consensus™ Seed Treatment</b>	Corn, Soybean, Small Grains
<b>F F F</b>	captan, carboxin, metalaxyl	<b>Bean Guard®/ Allegiance®</b>	Soybean
	carboxin, metalaxyl, ipconazole	<b>Rancona® V Rtu Fs</b>	Soybean, Small Grains
	mefenoxam, difenoconazole, sedaxane	<b>Vibrance™ Extreme</b>	Small Grains
	metalaxyl, penflufen, prothioconazole	<b>Evergol Energy Sb</b>	Corn, Soybean, Small Grains, Alfalfa
	metalaxyl, pyraclostrobin, triticonazole	<b>Stamina® F3 HL</b> <b>Stamina® F3 Cereals</b>	Corn, Small Grains Small Grains
	prothioconazole, penflufen, metalaxyl	<b>EverGol™ Energy</b>	Corn, Soybean, Small Grains, Alfalfa
	prothioconazole, tebuconazole, metalaxyl	<b>Proceed™ Concentrate</b> <b>Proceed™ MD</b>	Small Grains Small Grains
	tebuconazole, metalaxyl, Imazalil	<b>Raxil® Md Extra</b>	Small Grains

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<b>F F I</b>	captan, carboxin, imidacloprid	<b>Enhance® AW</b>	Soybean , Small Grains
	carboxin, metalaxyl, imidacloprid	<b>Latitude®</b>	Corn, Soybean
	mefenoxam, fludioxonil, thiamethoxam	<b>CruiserMaxx®</b>	Soybean
		<b>CruiserMaxx® Advanced</b>	Soybean
		<b>CruiserMaxx® Plus</b>	Soybean
		<b>CruiserMaxx® Plus EZ</b>	Soybean
	ipconazole, metalaxyl, imidacloprid	<b>Warden® Cereals HR</b>	Small Grains
		<b>Warden® Cereals WR</b>	Small Grains
	metalaxyl, tebuconazole, imidacloprid	<b>Dyna-shield® Foothold™ Extra</b>	Small Grains
		<b>Sativa® IM RTU Seed Treatment</b>	Small Grains
		<b>Sativa® IM Max</b>	Small Grains
	metalaxyl, ipconazole, clothianidin	<b>Inovate® Pro Seed Protectant</b>	Soybean
		<b>Inovate® Seed Protectant</b>	Soybean
	metalaxyl, metconazole, clothianidin	<b>NipsIt™ Suite Cereals</b>	Small Grains
	mefenoxam, difenoconazole, thiamethoxam	<b>Cruiser Maxx® Cereals</b>	Small Grains
	tebuconazole, metalaxyl, imidacloprid	<b>Ceres US™ IM</b>	Small Grains
<b>F F F F</b>	azoxystrobin, fludioxonil, mefenoxam, thiabendazole	<b>Maxim® Quattro</b>	Corn
<b>F F F I</b>	azoxystrobin, fludioxonil, mefenoxam, thiamethoxam	<b>Seed Shield®</b>	Soybean
	mefenoxam, fludioxonil, sedaxane, thiamethoxam	<b>CruiserMaxx® Vibrance</b>	Soybean
		<b>Warden® CX</b>	Soybean
	sedaxane, mefenoxam, difenoconazole, thiamethoxam	<b>Cruiser Maxx® Vibrance™ Cereals</b>	Small Grains
	prothioconazole, tebuconazole, metalaxyl, clothianidin	<b>Proceed™ Plus</b>	Small Grains
	mefenoxam, fluioxonil, thiabendazole, thiamethoxam	<b>Equity™</b>	Soybean
	tebuconazole, metalaxyl, fludioxonil, Imidacloprid	<b>Dyna-Shield® Foothold® Virock</b>	Small Grains
		<b>Sativa® IMF Max</b>	Small Grains
		<b>Sativa® IMF Rtu</b>	Small Grains
<b>N F F I</b>	abamectin, mefenoxam, fludioxonil, thiamethoxam	<b>Avicta® Complete Beans 500</b>	Soybean
<b>N F F F F I</b>	abamectin, thiabendazole, azoxystrobin, mefenoxam, fluioxonil, thiamethoxam	<b>Avicta® Complete Corn 500</b> <b>Avicta® Complete Corn 250</b>	Corn Corn





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