

What's on your seed?

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 and/or small grain seed. The seed treatments are grouped by the number of active ingredients (1-4), 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.

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Treatment Type — **F** Fungicide **I** Insecticide **N** Nematocide **P** Plant Growth Regulator

Treatment Type	Active Ingredient (s)	Product Trade Name	Crop
F	azoxystrobin	Dynasty [®] Protégé [™] FL	Corn, Soybean, Small Grains Soybean
F	<i>Bacillus pumilus</i>	Yield Shield [®]	Corn, Soybean, Small Grains
F	<i>Bacillus subtilis</i>	HiStick [®] N/T Kodiak [®] HB Serenade [®] AS0 Subtilex [®] NG	Soybean Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains
F	captan	Captan 400 Captan 400-C Captan 4L	Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains
F	copper hydroxide + Mancozeb	DuPont [™] ManKocide [®]	Small Grains
F	fludioxonil	Maxim [®] 4 FS Spirato [™] 480 FS	Corn, Soybean, Small Grains Corn, Soybean, Small Grains
F	fluxapyroxad	Acceleron [™] Dx-612	Soybean
F	ipconazole	Acceleron [™] DC-509 Acceleron [™] DX-509 Rancona [®] 3.8 FS Vortex [®]	Corn Corn Corn, Soybean, Small Grains Corn
F	mancozeb	Dithane [®] F45 Rainshield [®] Dithane M45 [®] DuPont [™] Pro-stick [™] DuPont [™] Manzate [®] Flowable Manzate [®] Pro-stick [™] Penncozeb [®] 4FL Flowable Penncozeb [®] 75DF Dry Flowable Penncozeb [®] 80WP	Corn, Small Grains Corn, Small Grains Corn, Small Grains Corn, Small Grains Corn, Small Grains Corn, Small Grains Corn, Small Grains
F	mefenoxam	Apron [®] XL Apron [®] XL LS	Corn, Soybean, Small Grains Corn, Soybean, Small Grains
F	metalaxyl	Acceleron [™] DC-309 Acceleron [®] DX-309 Acquire [™] Agri Star Metalaxyl [®] 265 ST Allegiance [®] Dry Allegiance [®] FL Allegiance [®] LS Belmont [™] 2.7 FS Dyna-shield [®] Metalaxyl Metastar [™] ST Metastar [™] 2E Metalaxyl 4.0 ST Sebring [™] 2.65 ST Sebring [™] 318 FS Sebring [™] 480 FS	Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Soybean Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains

F	metconazole	Metlock [®]	Corn, Small Grains
F	pyraclostrobin	Acceleron [®] DX-109 Cabrio [™] EG Diamir Stamina [®]	Corn, Soybean, Small Grains Corn, Soybean Corn, Soybean, Small Grains Corn, Small Grains
F	<i>Quinoa saponins</i>	Heads Up [®] Seed Treatment	Corn, Soybean, Small Grains
F	<i>Streptomyces lydicus</i>	Actinogrow [™] ST Actinovate [®] AG	Corn, Soybean, Small Grains Corn, Soybean, Small Grains
F	tebuconazole	Agri Star Tebustar 250 ST AmTide Tebu 3.6F Armortech [®] Teb 360 Raxil 2.6F Sativa [®] 309 FS Shizzle Tebucon 3.55C Tebucon 3.6F Tebusha 3.6FL Tebuzol [™] 3.6F Tebuconazole 3.6 Toledo 3.6F	Corn, Small Grains Corn Corn Corn, Small Grains Corn, Small Grains Corn Corn Corn Corn Corn Corn Corn
F	thiabendazole	Mertect [®] 340-F	Soybean
F	thiram	42-S Thiram Flowsan [®] Signet [™] 480 FS	Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains
F	<i>Trichoderma harzianum</i> Rifai	Rootshield [®]	Corn, Soybean, Small Grains
F	trifloxystrobin	Acceleron [®] DX-709 Flint [®] Trilex [®] Flowable	Corn, Soybean, Small Grains Corn, Small Grains Corn, Soybean, Small Grains
F	triticonazole	Charter [®]	Small Grains
I	chlorpyrifos	Lorsban [®] 50W in water soluble packets	Corn
I	clothianidin	Acceleron [™] IC-609 NipsIt INSIDE [®] Poncho [®] 600	Corn Corn, Soybean, Small Grains Corn
I	imidacloprid	Acceleron [™] IX-409 Agri Star [®] Macho [™] 600 ST Agrisolutions [™] Nitro Shield [®] Attendant [®] 600 AXCESS [™] Dyna-Shield [®] Imidacloprid 5 Gauche [®] 480 Flowable Gauche [®] 600 Flowable Gauche [®] SB Flowable Senator [®] 600 FS S-Cloprid 4 AG Sharda Imidacloprid 55C Sombrero [™]	Corn, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains Soybean, Small Grains Corn, Soybean, Small Grains Corn, Soybean, Small Grains
I	thiamethoxam	Cruiser [®] 5FS	Corn, Soybean, Small Grains
N	abamectin	Avicta [®] 500 FS	Corn, Soybean
N	<i>Bacillus firmus</i>	VOTiVO [™] FS	Corn, Soybean, Small Grains
P	cytokinin	Soil X-Cyto [®] X-Cyte [®]	Soybean Corn, Soybean, Small Grains
P	gibberellic acid	Release [®] LC	Small Grains
P	harpin alpha beta protein	Acceleron [™] HX-209 Employ [®] Employ [®] H&T Messenger Gold N-Hibit [®] Gold CST N-Hibit [®] HX-209 Pro-act	Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean
P	indole butyric acid	KickStand [™] PGR	Corn, Soybean, Small Grains
I	F permethrin, carboxin	Kernel Guard [®] Supreme	Corn, Soybean
I	N thiamethoxam, abamectin	Avicta [®] Duo Corn Avicta [®] Duo 250	Corn Corn
	clothianidin, <i>Bacillus firmus</i>	Poncho [®] VOTiVO [™]	Corn, Soybean

continued on back...

What's on your seed?

...continued from front

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

Treatment Type

F F

Active Ingredient (s)	Product Trade Name	Crop
azoxystrobin, metalaxyl	Soygard™ Fungicide	Soybean
	Soygard™ L with Protege™	Soybean
carboxin, captan	Enhance®	Soybean, Small Grains
carboxin, thiram	VitaFlo™ 280	Corn, Soybean, Small Grains
	Vitavax™ 700	Soybean, Small Grains
difenoconazole, mefenoxam	Dividend XI RTA	Small Grains
	Agrisolutions Incentive RTA	Small Grains
	Dividend Extreme	Small Grains
ipconazole, metalaxyl	Warden Cereals	Small Grains
mefenoxam, fludioxonil	Maxim® XL	Corn, Soybean, Small Grains
	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
	Rancona® Xtra	Soybean
	Rancona® Xtra Pro	Soybean
pyraclostrobin, boscalid	Coronet™	Soybean
tebuconazole, metalaxyl	Raxil® XT	Small Grains
	Raxil® MD	Small Grains
	Dyna-shield® Foothold™	Small Grains
	Dyna-shield® Small Grains™	Small Grains
	Sativa™ M RTU	Small Grains
tebuconazole, thiram	Raxil®-thiram	Small Grains
thiram, metalaxyl	Protector-L-Allegiance®	Soybean
trifloxystrobin, metalaxyl	Trilex® AI	Soybean
	Trilex® 2000	Soybean
triticonazole, metalaxyl	Charter® F2	Small Grains
triticonazole, thiram	Charter® PB	Small Grains
cytokinin, gibberellic acid, indole butyric acid	Stimulate™ Yield Enhancer	Corn, Soybean, Small Grains
	Ascend™	Corn, Soybean, Small Grains
indole butyric acid, salicylic acid, chitosan	Consensus™ Seed Treatment	Corn, Soybean, Small Grains
captan, carboxin, metalaxyl	Bean Guard®/ Allegiance®	Soybean
metalaxyl, pyraclostrobin, triticonazole	Stamina® F3 HL	Corn, Small Grains
	Stamina®	Corn, Small Grains
	Stamina® F3 Cereals	Small Grains
prothioconazole, penflufen, metalaxyl	EverGol™ Energy	Soybean, Small Grains
prothioconazole, tebuconazole, metalaxyl	Proceed™ Concentrate	Small Grains
	Proceed™ MD	Small Grains
captan, carboxin, imidacloprid	Enhance® AW	Soybean, Small Grains
carboxin, metalaxyl, imidacloprid	Latitude®	Corn, Soybean
mefenoxam, fludioxonil, thiamethoxam	CruiserMaxx® Plus	Soybean
	CruiserMaxx® Plus 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
metalaxyl, ipconazole, clothianidin	Inovate® Seed Protectant	Soybean
metalaxyl, metconazole, clothianidin	NipsIt™ Suite Cereals	Small Grains
mefenoxam, difenoconazole, thiamethoxam	Cruiser Maxx® Cereals	Small Grains
azoxystrobin, fludioxonil, mefenoxam, thiabendazole	Maxim® Quattro	Corn
azoxystrobin, fludioxonil, mefenoxam, thiamethoxam	Cruiser Extreme®	Corn
	Seed Shield	Soybean
sedaxane, mefenoxam, difenoconazole, thiamethoxam	Cruiser Maxx® Vibrance™ Cereals	Small Grains
prothioconazole, tebuconazole, metalaxyl, clothianidin	Proceed Plus	Small Grains
mefenoxam, fluioxonil, thiabendazole, thiamethoxam	Equity™	Soybean
thiabendazole, azoxystrobin, mefenoxam, fluioxonil, thiamethoxam, abamectin	Avicta® Complete Corn 500	Corn
	Avicta® Complete Corn 250	Corn

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