

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



Authors: Paul Esker, Assistant Professor of Plant Pathology & Richard Proost, Nutrient and Pest Management Program

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

Active Ingredient (s)	Product Trade Name	Crop
F azoxystrobin	Dynasty [®] Protégé [™] FL	Corn, Soybean Corn
F <i>Bacillus pumilus</i>	Yield Shield [®]	Corn, Soybean
F <i>Bacillus subtilis</i>	HiStick [®] N/T Vault [®] Hp	Soybean Corn, Soybean
F captan	Captan 400 Captan 400-C	Corn, Soybean Corn, Soybean
F fludioxonil	Maxim [™] 4 FS	Corn, Soybean
F hydrogen peroxide	OxiDate [®] StorOx [®]	Soybean Soybean
F ipconazole	Acceleron [™] DC-509 Rancona [®] 3.8 FS Vortex [®]	Corn Corn, Soybean Corn
F mancozeb	Bonide Mancozeb w/Zinc Concentrate Dithane [®] 75DF Rainshield [®] Dithane [®] DF Rainshield [®] Dithane [®] F45 Rainshield [®] Dithane M45 [®] Lesco [®] 4 Flowable Mancozeb Penncozeb [®] 4FL Flowable Penncozeb [®] 75DF Dry Flowable Penncozeb [®] 80WP	Corn Corn Corn Corn Corn Corn Corn Corn
F mefenoxam	Apron [®] XL	Corn, Soybean
F metalaxyl	Acceleron [™] DC-309 Acceleron [®] DX-309 Acquire [™] Agri Star Metalaxyl [®] 265 ST Allegiance [®] Dry Allegiance [®] FL Belmont [™] 2.7 FS Dyna-shield [®] Metalaxyl Sebring [™] 2.65 ST Sebring [™] 318 FS Sebring [™] 480 FS Vireo [™] MEC	Corn Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Soybean
F pyraclostrobin	Acceleron [®] DX-109 Stamina [®]	Soybean Corn
F <i>Streptomyces griseoviridis</i>	Mycostop [®]	Corn, Soybean
F <i>Streptomyces lydicus</i>	Actinogrow [™] ST	Corn, Soybean
F tebuconazole	AmTide Tebu 3.6F Sativa [®] 309 FS Sativa [®] 318 FS Tebusha 3.6FL Tebuzol [™] 3.6F	Corn Corn Corn Corn Corn
F thiabendazole	Mertect [®] 340-F	Soybean

F thiram	42-S Thiram Flowsan [®] Signet [™] 480 FS	Corn, Soybean Corn, Soybean Corn, Soybean
F <i>Trichoderma harzianum</i> Rifai	T-22 [™] HC	Corn, Soybean
F trifloxystrobin	Acceleron [®] DX-709 Trilex [®] Flowable	Corn Corn, soybean
I chlorpyrifos	Lorsban [®] 50W in water soluble packets	Corn
I clothianidin	Acceleron [™] IC-609 NipsIt INSIDE [®] Poncho [®] 600	Corn Corn, Soybean Corn
I imidacloprid	Acceleron [™] IX-409 Agri Star [®] Macho [™] 600 ST Agrisolutions [™] Nitro Shield [®] Attendant [®] 600 ACCESS [™] Couraze [®] 2F Dyna-Shield [®] Imidacloprid 5 Gauche [®] 480 Flowable Gauche [®] 600 Flowable Gauche [®] Sb Flowable Nuprid [®] 4.6F Pro Senator [®] 600 FS	Corn Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Soybean Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean Corn, Soybean
I thiamethoxam	Cruiser [®] 5FS	Corn, Soybean
N abamectin	Avicta [®] 500 FS	Corn, Soybean
N <i>Bacillus firmus</i>	VOTiVO [™] FS	Soybean
P cytokinin	Soil X-Cyto [®] X-Cyte [®]	Soybean Soybean
P harpin alpha beta protein	Acceleron [™] HX-209 N-Hibit [®] Gold CST N-Hibit [®] HX-209	Corn, Soybean Corn, Soybean Corn, Soybean
P indole butyric acid	KickStand [™] PGR	Corn, Soybean
I N thiamethoxam, abamectin	Avicta [®] Duo Corn Avicta [®] Duo 250	Corn Corn
I F clothianidin, <i>Bacillus firmus</i>	Poncho [®] VOTiVO [™]	Corn, Soybean
F F carboxin, captan	Enhance [®]	Soybean
I F permethrin, carboxin	Kernel Guard [®] Supreme	Corn, Soybean
F F carboxin, thiram	Vitaflo [™] 280	Corn, Soybean
F F mefenoxam, fludioxonil	Maxim [®] XL Warden [®] RTA [®] Apron MAXX [®] RFC Apron MAXX [®] RTA [®] + Moly Apron MAXX [®] RTA [®]	Corn, Soybean Soybean Soybean Soybean Soybean
I F imidacloprid, metalaxyl	Agrisolutions [™] Concur [™]	Corn
F F metalaxyl, ipconazole	Rancona [®] Summit Rancona [®] Xtra	Soybean Soybean
F F thiram, metalaxyl	Protector-L-Allegiance [®]	Soybean
F F trifloxystrobin, metalaxyl	Trilex [®] AI Trilex [®] 2000	Soybean Soybean
P P P cytokinin, gibberellic acid, indole butyric acid	Stimulate [™] Yield Enhancer Ascend [™]	Corn, Soybean Soybean
F F I mefenoxam, fludioxonil, thiamethoxam	CruiserMaxx [®] Plus	Soybean
F F F captan, carboxin, metalaxyl	Bean Guard [®] / Allegiance [®]	Soybean
F F I captan, carboxin, imidacloprid	Enhance [®] AW	Soybean
F F I carboxin, metalaxyl, imidacloprid	Latitude	Corn, Soybean
F F F metalaxyl, pyraclostrobin, triticonazole	Stamina [®] F3 HL	Corn
F F F I azoxystrobin, fludioxonil, mefenoxam, thiamethoxam	Cruiser Extreme [®]	Corn
F F F F azoxystrobin, fludioxonil, mefenoxam, thiabendazole	Maxim [®] Quattro	Corn