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Available fungicides for management of soybean diseases in Iowa for 2006

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Available fungicides for management of soybean diseases in Iowa for 2006

Abstract

Last week we discussed Section 18 fungicides and their role in managing Asian soybean rust. However, there are some fungicides that have a full label (Section 3) for soybean. These fungicides can be applied to manage other diseases of soybean as well. See the following table for a complete list of fungicides currently labeled or to be labeled for soybeans in Iowa for management of soybean rust in 2006. For more details on fungicide use for management of soybean rust, please visit www.soybeanrust.info.

Keywords

Plant Pathology

Disciplines

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Plant Diseases

Available fungicides for management of soybean diseases in Iowa for 2006

by Daren Mueller, Department of Plant Pathology, and
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Last week we discussed Section 18 fungicides and their role in managing Asian soybean rust. However, there are some fungicides that have a full label (Section 3) for soybean. These fungicides can be applied to manage other diseases of soybean as well. See the following table for a complete list of fungicides currently labeled or to be labeled for soybeans in Iowa for management of soybean rust in 2006. For more details on fungicide use for management of soybean rust, please visit www.soybeanrust.info.

Fungicide	Active Ingredient	Chemical Class	Soybean Diseases Fungicide Manages
Bravo® WeatherStik	chlorothalonil (Syngenta)	chloronitrile	Anthracnose, Diaporthe pod and stem blight, frogeye leaf spot, purple seed stain, Septoria brown spot, soybean rust
Echo 720® Echo 90 DF® (Sipcam Agro Inc)	chlorothalonil	chloronitrile	Anthracnose, Diaporthe pod and stem blight, frogeye leaf spot, purple seed stain, Cercospora seed blight, Septoria brown spot, soybean rust
Quadris® (Syngenta)	azoxystrobin	strobilurin	Anthracnose, Alternaria leaf spot, Septoria brown spot, frogeye leaf spot, Cercospora blight and leaf spot, pod and stem blight, soybean rust
Headline® (BASF)	pyraclostrobin	strobilurin	Anthracnose, Alternaria leaf spot, Septoria brown spot, frogeye leaf spot, Cercospora blight and leaf spot, pod and stem blight, soybean rust
Quilt™ (Syngenta)	propiconazole and azoxystrobin	strobilurin and triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
Headline SBR™ (BASF/Bayer CropSciences)	pyraclostrobin and tebuconazole	strobilurin and triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
Stratego® (Bayer CropSciences)	propiconazole and trifloxystrobin	strobilurin and triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
Laredo™ 25 EC Laredo™ 25 EW (Dow AgroSciences)	myclobutanil	triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
Tilt 3.6 EC (Syngenta)	propiconazole	triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
PropiMax 3.6 EC (Dow AgroSciences)			
Bumper 41.8 EC (Makhteshim-Agan)			
Folicur® 3.6 F (Bayer CropSciences)	tebuconazole	triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
Orius 3.6 F (Makhteshim-Agan)			
Uppercut™ (DuPont)			
Domark® 230 ME (Isagro USA)	tetraconazole	triazole	Soybean rust—Section 18 label must be in the possession of the user at the time of application.
Alto® (Syngenta)	cyproconazole	triazole	Section 18 for soybean rust has been applied for, and a decision is expected very soon.

Fungicide	Active Ingredient	Chemical Class	Soybean Diseases Fungicide Manages
Punch® C (DuPont)	flusilazole	triazole	Section 18 for soybean rust has been applied for, and the decision from EPA is pending for 2006.
Charisma® (DuPont)	flusilazole and famoxadone	triazole and QoI-Group 11 fungicide	Section 18 for soybean rust has been applied for, and the decision from EPA is pending for 2006.
Impact™ (Cheminova)	flutriafol	triazole	Section 18 for soybean rust has been applied for, and the decision from EPA is pending for 2006.
Caramba™ (BASF)	metconazole	triazole	Section 18 for soybean rust has been applied for, and the decision from EPA is pending for 2006.
Headline-Caramba co-pack (BASF)	pyraclostrobin and metconazole	strobilurin and triazole	Section 18 for soybean rust has been applied for, and the decision from EPA is pending for 2006.
Proline® 480 SC (Bayer CropSciences)	prothioconazole	triazole	Section 18 for soybean rust has been applied for, and the decision from EPA is pending for 2006.

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Weed Management

Glyphosate stewardship information is available

by Mike Owen, Department of Agronomy

Two glyphosate stewardship efforts have resulted in a number of useful publications. The first effort was the National Glyphosate Stewardship Forum held November 2005 in St. Louis. The forum was organized by several university weed scientists and had the goal of determining what growers, on a national scale, were thinking with regard to the unprecedented adoption of glyphosate-resistant crops and the use of glyphosate as the primary, if not sole, weed management tactic. A number of national grower groups were invited to participate in the forum, and presentations were given by selected university weed scientists and industry representatives. Growers were then given the opportunity to discuss the utilization of glyphosate technology and the implications of glyphosate-resistant weeds on their individual farms. The report from this national forum will soon be released on the Iowa State University weed science Web page (www.weeds.iastate.edu).

The second glyphosate stewardship effort was accomplished by a coalition of weed scientists from the North Central Weed Science Society, including Iowa State University extension weed scientists. This group has been active in promoting the stewardship of glyphosate in conjunction with glyphosate-resistant

crops. These efforts are designed to provide growers, agriculturalists, and the private industry with science-based, objective information about the benefits and risks involved with the use of glyphosate and the glyphosate-resistant crops. This coalition of weed scientists has collaborated on the development of a series of publications that will be printed at Purdue University. The publications are part of the Glyphosate, Weeds, and Crops Series, which will ultimately include publications on glyphosate-resistant weeds, problem weeds, general stewardship considerations, economics, and other topics. The first two publications, *Glyphosate, Weeds, and Crops: Biology and Management of Horseweed* and *Glyphosate, Weeds, and Crops: Biology and Management of Wild Buckwheat* were recently completed and are now available. It is anticipated that the other publications in this important effort will be available in the near future. For more information, refer to the ISU weed science Web page.

Mike Owen is a professor of agronomy and weed science extension specialist with responsibilities in weed management.