

Soybeans: Fungicides approved (Section 18) or registered (Section 3) for soybean rust management

**Changes in this Update, issued 5/28/08, are Underlined  
Items in Blue are not available**

Active ingredient	Product trade name (company)	Section 18 start date	Section 18 expiration	Section 3 registration status
azoxystrobin	Quadris (Syngenta)	none	none	Registered
azoxystrobin + cyproconazole	Quadris Xtra (Syngenta)	started 3/31/06 for MN and SD - covers use in 2006, 2007, and 2008 growing seasons	expires 3/31/09 for AL, AR, DE, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NY, OK, OH, SC, SD, TN, TX and VA; temporary tolerance for cyproconazole expires 12/31/09	<u>Registered - Section 3 label expected to be available in 2008 season</u>
azoxystrobin + propiconazole	Quilt (Syngenta)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI	Registered
<b>boscalid + pyraclostrobin</b>	Pristine (BASF)	Section 3 label approved in Dec 2004 but not marketed for SBR by registrant due to poor solo efficacy by boscalid against soybean rust		
chlorothalonil	Bravo (Syngenta), Echo (Sipcam Agro), Equus (Makhteshim-Agan)	none	none	Registered

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<b>cyproconazole</b>	Alto (Syngenta)	started 3/31/06 for MN and SD - covers use in 2006, 2007, and 2008 growing seasons	expires 3/31/09 for AL, AR, DE, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NY, OK, OH, SC, SD, TN, TX and VA; temporary tolerance expires 12/31/09	<u>Registered - Section 3 label expected to be available in 2008 season</u>
<b>famoxadone + flusilazole</b>	Charisma (DuPont)	Pending: AL, AR, IL, IN, IA, KS, KY, LA, MD, MI, MN, MO, NE, NC, ND, OK, SD, TN, TX and VA (awaiting availability of product in U.S.)	none	Registration application pending availability of product in U.S.
<b>flusilazole</b>	Punch (DuPont)	started 2/7/07 for MN and SD - covers use in 2007, 2008, and 2009 growing season	expires 2/7/10 for MN and SD expires 6/15/10 for AL, AR, DE, GA, IA, IL, IN, KS, KY, LA, MD, MI, MO, MS, NC, ND, NE, OH, OK, SC, TN, TX, and VA temporary tolerance expires 12/31/10	Registration decision expected in 2009
<b>flutriafol</b>	Topguard (Cheminova)	started 12/1/06 for MN and SD - covers use in 2007, 2008, and 2009 growing seasons	expires 12/1/09 for MN and SD expires 2/12/10 for AR, IA, IN, KS, KY, MI, MO, NE, OK, and TN expires 5/11/10 for AL, GA, IL, MD, MS, OH, and ND expires 6/7/10 for DE, LA, NC, and TX expires 6/28/10 for SC and VA temporary tolerance expires 12/31/10	Registration decision expected in 2009

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metconazole	Caramba (BASF)	started 4/19/06 for MN and SD - covers use in 2006, 2007, and 2008 growing seasons	expires 4/19/09 for AL, AR, DE, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NY, OK, OH, SC, SD, TN, TX, and VA; temporary tolerance expires 12/31/10	<a href="#">Registered but not commercially labeled for soybeans this season (possibly next season)</a>
metconazole + pyraclostrobin	Headline Caramba co-pack (BASF)	Withdrawn by registrant		
	Operetta premix (BASF)	Withdrawn by registrant		
	<a href="#">Multiva (BASF)</a>	<a href="#">none</a>	<a href="#">none</a>	<a href="#">Registered but not commercially labeled for soybeans this season (possibly next season)</a>
myclobutanil	Laredo EC (Dow Agro) <a href="#">Laredo EW (Dow Agro) - Launch date not yet scheduled for SBR</a>	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI	Registered
propiconazole	Tilt (Syngenta), Bumper (Makhteshim-Agan) <a href="#">PropiMax (Dow Agro) - No longer available for SBR</a>	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI	Registered

Active ingredient	Product trade name (company)	Section 18 start date	Section 18 expiration	Section 3 registration status
<b>propiconazole + trifloxystrobin</b>	Stratego (Bayer)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI	Registered
<b>prothioconazole</b>	ProLine (Bayer)	Pending: AR, IA, IL, KS, KY, LA, MD, MI, MN, MS, MO, NE, NC, SC, SD, TX, and VA (replaced by section 3 registration)	none	Registered
<b>pyraclostrobin</b>	Headline (BASF)	none	none	Registered
<b>pyraclostrobin + tebuconazole</b>	Headline SBR (BASF)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI; temporary tolerance for tebuconazole expires 12/31/09	<u>Discontinued</u>
<b>tebuconazole</b>	Folicur (Bayer)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI; temporary tolerance expires 12/31/09	<u>Section 3 registration decision is expected by the end of June, 2008. This could result in tebuconazole being available on soybeans this season. However, as a backup plan, Georgia has</u>

Active ingredient	Product trade name (company)	Section 18 start date	Section 18 expiration	Section 3 registration status
	Orius (Makhteshim-Agan)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, and WV; temporary tolerance expires 12/31/09	<u>submitted a request to renew the expired tebuconazole Section 18. If approved, the USEPA will invite other states to submit "piggy-back" requests much as was done with the initial soybean rust Section 18s.</u>
	Uppercut (DuPont)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, DE, GA, IA, IL, IN, KY, LA, MD, MN, MO, MS, NC, NE, OH, SC, TN, and VA; temporary tolerance expires 12/31/09	
<b>tebuconazole + trifloxystrobin</b>	Absolute (Bayer)	EPA will not act on this submission because the ai's are both near full registration.		Registration decision no earlier than late 2008
<b>tetraconazole</b>	Domark (Isagro)	started 11/10/04 for MN and SD - covers use in 2005, 2006 and 2007 growing seasons	expires 11/10/07 for AL, AR, DE, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, NC, ND, NE, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WV, and WI	Registered

Current submissions and approvals of Section 18s are listed on the EPA website at: <http://cfpub1.epa.gov/oppref/section18/search.cfm>  
SBR fungicides are also listed on the EPA site at: [http://www.epa.gov/oppfead1/cb/csb\\_page/updates/soybean\\_rust.htm](http://www.epa.gov/oppfead1/cb/csb_page/updates/soybean_rust.htm)

For general questions about Section 18s contact Tony Britten, 703-308-8179, [britten.anthony@epa.gov](mailto:britten.anthony@epa.gov). For specific questions about flusilazole and famoxadone contact Andrea Conrath at 703-308-9356 or [conrath.andrea@epa.gov](mailto:conrath.andrea@epa.gov); for flutriafol contact Princess Campbell at 703-308-8033 or [campbell.princess@epa.gov](mailto:campbell.princess@epa.gov); for cyproconazole and metconazole contact Stacey Groce at 703-305-2505 or [groce.stacey@epa.gov](mailto:groce.stacey@epa.gov); and for propiconazole, tebuconazole, myclobutanil, trifloxystrobin and tetraconazole contact Andy Ertman at 703-308-9367 or [ertman.andrew@epa.gov](mailto:ertman.andrew@epa.gov).

Please direct questions and recommendations about the general content and design of this table to Marty Draper at 202-301-1990 or [mdraper@csrees.usda.gov](mailto:mdraper@csrees.usda.gov), or Kent Smith at, 202-720-3186 or [kent.smith@ars.usda.gov](mailto:kent.smith@ars.usda.gov).