

SOYBEAN – FOLIAR DISEASES

Cliff Coker, John Rupe and Scott Monfort

Disease	Fungicide	Active Ingredient	Rate/Acre	Days to Harvest	Comments
Aerial Blight	Quadris 2.08FL	azoxystrobin	6 - 15.5 fl oz	14 days	Apply at first sign of disease for maximum control. Applications after significant disease development will result in poor control. Use the high rates under conditions favorable for severe disease development, dense plant canopies or when highly susceptible varieties are planted.
	*Headline	pyraclostrobin	6 - 12 fl oz	21 days	
	*Stratego	trifloxystrobin + propiconazole	10 fl oz	21 days	
	*Quilt	azoxystrobin + propiconazole	14 - 20.5 fl oz	21 days	
	*Quilt Xcel	azoxystrobin + propiconazole	10.5 - 14 fl oz	See label.	
Anthracnose, Frogeye Leaf Spot, Pod and Stem Blight, Cercospora Leaf Blight and General Seed Quality Diseases	Headline	pyraclostrobin	6 - 12 fl oz	21 days	Apply at first sign of disease for maximum Frogeye Leaf Spot control. Applications after significant disease development will result in limited control. An application between R2 and late R5 has been used by seed producers for general seed quality protection.
	Quadris 2.08FL	azoxystrobin	6 - 15.5 fl oz	14 days	
	Quilt	azoxystrobin + propiconazole	14 - 20.5 fl oz	21 days	
	Quilt Xcel	azoxystrobin + propiconazole	10.5 - 14 fl oz	See label.	
	Stratego	trifloxystrobin + propiconazole	10 fl oz	21 days	
	Alto	cyproconazole	4 - 5.5 fl oz	30 days	
	Quadris Xtra	cyproconazole + azoxystrobin	5 - 6.8 fl oz	30 days	
Soybean Rust	Topsin 4.5FL or Micro Flo Thiophanate-Methyl 70W WSB or FarmSaver.com Thiophanate-Methyl 85WDG	thiophanate-methyl	10 - 20 fl oz	21 days	There are many Section 18 fungicides available for soybean rust, and this is a volatile area, so please check our web site at http://www.aragriculture.org/diseases/Soybeans/Rust/ for the latest fungicide information on this disease.
		thiophanate-methyl	0.5 - 1 lb	21 days	
		thiophanate-methyl	0.4 - 0.8 lb	21 days	
(continued)	Domark 230ME	tetraconazole	4 - 5 fl oz	See label.	If soybean rust is present, use the high rates combined with an additional triazole fungicide for improved disease control.
	Alto 100SL	cyproconazole	4 - 5.5 oz	30 days	
	Quadris Xtra	cyproconazole + azoxystrobin	4 - 6.8 oz	30 days	
	Folicur 3.6F, or Muscle 3.6F, or TEBU 3.6F, or TebuStar 3.6F, or Tebuzol 3.6F, or Orius 3.6F	tebuconazole	3 - 4 fl oz	21 days	
		tebuconazole	3 - 4 fl oz	21 days	
		tebuconazole	3 - 4 fl oz	21 days	
	Proline 480SC	prothioconazole	2.5 - 3 oz	21 days	
	Bravo Ultrex, or Bravo WeatherStik, or Chlorothalonil 720SC, or Chlorothalonil 720F, or Equus, or Echo 720, or Echo 90DF	chlorothalonil	See label.	42 days	
		chlorothalonil	See label.	42 days	
		chlorothalonil	See label.	42 days	
	chlorothalonil	See label.	42 days		
	Laredo	myclobutanil	4 - 8 fl oz	28 days	
	Quadris 2.08FL	azoxystrobin	6 - 15.5 fl oz	14 days	
	Headline	pyraclostrobin	6 - 12 fl oz	21 days	

SOYBEAN – FOLIAR DISEASES (continued)

Disease	Fungicide	Active Ingredient	Rate/Acre	Days to Harvest	Comments
Soybean Rust (<i>cont.</i>)	Stratego	trifloxystrobin + propiconazole	10 fl oz	21 days	
	Quilt	azoxystrobin + propiconazole	14 - 20.5 fl oz	21 days	
	Quilt Xcel	azoxystrobin + propiconazole	14 - 21 fl oz	See label.	
	Tilt, or AmTide	propiconazole	4 - 6 fl oz	See label.	
	41.8EC, or Propiconazole E AG 41.8EC, or Bumper	propiconazole propiconazole	4 - 6 fl oz 4 - 6 fl oz	See label. See label.	

NOTE: There is little or no recent information on the economic value of foliar fungicides on today's soybean varieties in Arkansas. An economic return is more likely on high-value (seed) beans or fields with high yield potential (>40 bu/A) or high-yielding irrigated fields with a history of disease problems (under pivots that encourage foliar diseases or in rotations that encourage aerial blight).

*Use for control of aerial blight is based on other states' data.

SOYBEAN NEMATODES

Terry Kirkpatrick, Scott Monfort and Cliff Coker

Nematode	Nematicide	Formulation	Active Ingredient	Rate/Acre	Comments
Soybean Cyst, Root Knot and Reniform	Temik brand 15G*	Granules	aldicarb	5 lb	Apply granules in a 6 - 8 inch band and immediately incorporate or cover with soil. Plant seed into treated zone. Granules in direct contact with seed may cause plant injury.
	Temik brand 15G Lock'n Load*	Granules	aldicarb		
	Telone II	Liquid	1,3-dichloropropene	3 - 6 gal	Inject 12 inches below planting depth and seal immediately with appropriate bedding equipment. Wait 7 - 14 days before planting.
	K-Pam or Vapam	Liquid	potassium N - methylthiocarbamate or sodium methylthiocarbamate	See label.	Inject 12 inches below planting depth and seal immediately 14 - 21 days before planting.

*Manufactured prior to September 2009

RESTRICTED USE PESTICIDES – For sale and use only by licensed/certified applicators or persons under their direct supervision. **These are dangerous pesticides – use caution in handling and read and follow current label directions.** If nematodes are suspected to be causing problems, a diagnostic soil sample should be taken to the county agent for submission to the Cooperative Extension Service Nematode Diagnostic Laboratory. **A small fee is required.**

NOTE: The economic value of using nematicides on Arkansas soybeans is sometimes questionable. The value of soybeans in today's market must be considered. Planting resistant varieties or using crop rotation offers more economical control.

This information was current as of October 1, 2009, and applies only to Arkansas and may not be appropriate for other states or locations. The listing of any product in this publication does not imply endorsement of that product or discrimination against any other product by the University of Arkansas Division of Agriculture. *Every effort was made to ensure accuracy, but the user of any crop protection product must read and follow the most current label on the product – The Label is the Law.* For further assistance, contact the local Cooperative Extension Service office.