

**Fungicides currently labeled for application to soybeans in Pennsylvania, May 15, 2005\***

<i>Product (Chemical Class )</i>	<i>Active Ingredient</i>	<i>Mode of Action (Activity)</i>	<i>Product Rate</i>	<i>Application (gpa)</i>	<i>Guidelines (Always refer to label before application)</i>
Bravo weather stik (Chloronitrile)	Chlorothalonil	Fungistatic- slows growth and reduces spore production (Pre-infection)	Two application program: 1.5 – 2.25 pts./A  Three application program: 1.0 – 2.0 pts./A	20-150 ground 5-10 air	- Minimum 14 day interval - Not more than three applications per season - Not more than 6 pts./A during a growing season
Echo 720 (Chloronitrile)	Chlorothalonil	Fungistatic- slows growth and reduces spore production (Pre-infection)	Two application program: 1.5 – 2.5 pts./A  Three application program: 1 – 2 pts./A	20-150 ground 5-10 air	- Minimum 14 day interval - Not more than three applications per season - Not more than 5.4lbs./A during a growing season - Do not use soybean hay or threshing as feed for livestock
Headline (Strobilurin)	Pyraclostrobin	QoI - Interferes with fungal respiration (Pre-infection)	6 – 12 fl. oz./A	Thorough coverage of foliage	- Apply prior to disease development - Two applications per season max (24 fl. oz.) - 21 day pre-harvest interval (PHI) - Soybean forage may be fed no sooner than 14 days after last application; - Hay no sooner than 21 days after last application
Quadris (Strobilurin)	Azoxystrobin	QoI - Interferes with fungal respiration (Pre-infection)	12.3 – 15.4 fl. oz./A	Adequate coverage, include crop oil	- Apply prior to disease development - Two applications per season max - Not more than 2.88 quarts per acre - May not be applied 14 days of harvesting beans. - Do not make more than one application (15.4 fl oz/A) to soybean forage or hay - May be applied one day prior to harvest for forage or hay

**\*Check the Penn State Corn and Soybean Management website or electronic version of the Penn State Agronomy Guide for most current list of fungicide products**

**Where trade names appear, no discrimination is intended, and no endorsement by Penn State Cooperative Extension is implied.**

**Fungicides with Section 18 quarantine exemption status for application to soybeans in Pennsylvania May 15, 2005\***

<i>Product (Chemical Class)</i>	<i>Active Ingredient</i>	<i>Mode of Action (Activity)</i>	<i>Rate</i>	<i>Application (gpa)</i>	<i>Guidelines (All applications made between flowering (R1) and beginning seed fill (R5))</i>
Bumper (Triazole)	Propiconazole	DMI- Sterol inhibitor (Pre- and Post-infection)	4 – 8 fl oz/A	Min 15 ground Min 5 air	- PHI 28 days - Latest growth stage R5 (beginning seed) - No more than 12 fl oz/A in a single season
Domark 230 ME (Triazole)	Tetraconazole	DMI- Sterol inhibitor (Pre- and Post-infection)	4 – 6 fl oz/A	10-20 ground 5 air	- Only one application of Domark 230 ME per season - Do not apply after growth stage R5 (beginning seed)
Folicur 3.6F (Triazole)	Tebuconazole	DMI- Sterol inhibitor (Pre- and Post-infection)	3 – 4 fl oz/A	10 ground 5 air	- PHI 30 days - Maximum product 8 fl oz/A in a single season
Headline SBR	Teduconazole + pyraclostrobin	DMI- Sterol inhibitor + QoI - Interferes with fungal respiration (Pre- and Post-infection)	7.8 fl oz/A	Thorough coverage of foliage  Min 5 air	- PHI 30 days - Maximum product 15.6 fl oz/A in a single season
Laredo EC (Triazole)	Myclobutanil	DMI- Sterol inhibitor (Pre- and Post-infection)	4 – 8 oz/A	Adequate coverage	- PHI 28 days - Do not apply more than 16 fl oz/A in a single season
Orius 3.6F	Tebuconazole	DMI- Sterol inhibitor (Pre- and Post-infection)	3 – 4 fl oz/A	Min 10 ground Min 5 air	- PHI 30 days - Maximum product 8 fl oz/A in a single season
Propimax (Triazole)	Propiconazole	DMI- Sterol inhibitor (Pre- and Post-infection)	4 – 8 fl oz/A	15 ground 5 air	- PHI 28 days - Latest growth stage R5 (beginning seed) - Do not apply more than 12 fl oz per/A in a single season
Quilt (triazole + strobilurin)	Propiconazole + azoxystrobin	DMI- Sterol inhibitor + QoI - Interferes with fungal respiration (Pre- and Post-infection)	14 – 20 fl oz/A	Min 10 ground Min 5 air	- Do not apply after soybean growth stage R5 - Maximum of 40 fl oz per year
Stratego (triazole + strobilurin)	Propiconazole + trifloxystrobin	DMI- Sterol inhibitor + QoI - Interferes with fungal respiration (Pre- and Post-infection)	5.5 -10 fl oz/A	10 ground 5 air	- Do not apply after soybean growth stage R5 - Apply before disease development - Maximum of 20 fl oz per season
Tilt (Triazole)	Propiconazole	DMI- Sterol inhibitor (Pre- and Post-infection)	4 – 8 fl oz/A	Min 10 ground Min 5 air	- PHI 28 days - Latest growth stage R5 (beginning seed) - No more than 12 fl oz per/A in a single season

*\*Check the Penn State Corn and Soybean Management website or electronic version of the Penn State Agronomy Guide for most current list of fungicide products, and always consult product label for product guidelines. Note for all section 18 products: Maximum of three applications using approved section 18 products collectively. No more than two applications may be made with any given active ingredient.*

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