

Fungicides currently labeled for application to soybeans in Pennsylvania, 26 Jan. 2005

<i>Product (Chemical Class)</i>	<i>Active Ingredient</i>	<i>Mode of Action (Activity)</i>	<i>Product Rate</i>	<i>Guidelines (Always refer to label before application)</i>
Quadris (Strobilurin)	Azoxystrobin	QoI - Interferes with fungal respiration (Protective)	12.3 – 15.4 fl. oz./A	<ul style="list-style-type: none"> - 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
Headline (Strobilurin)	Pyraclostrobin	QoI - Interferes with fungal respiration (Protective)	6 – 12 fl. oz./A	<ul style="list-style-type: none"> - 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
Bravo weather stik (Chloronitrile)	Chlorothalonil	Fungistatic- slows growth and reduces spore production (Protective)	<p>Two application program: 1.5 – 2.25 pts./A</p> <p>Three application program: 1.0 – 2.0 pts./A</p>	<ul style="list-style-type: none"> - Minimum 14 day interval - Two application: First application when largest pods are 1.5 inches long and make second application 14 days later - Three application: First application one week after first flowering and continue at 14 day interval. - Not more than three applications per season - Not more than 6 pts./A during a growing season
Bravo Ultrex (Chloronitrile)	Chlorothalonil	Fungistatic- slows growth and reduces spore production (Protective)	<p>Two application program: 1.4 – 2.2 lbs./A</p> <p>Three application program: 0.9 – 1.4 lbs./A</p>	<ul style="list-style-type: none"> - Minimum 14 day interval - Two application: First application early pod set (R3); Second application at beginning of seed formation (R5) - Three application: First at beginning of flowering (R1); second at early pod set (R3); third at beginning of seed set (R5) - Not more than three applications per season - Not more than 5.4lbs./A during a growing season - Do not use as forage or hay - Not within 6 weeks of harvest
Echo 720 (Chloronitrile)	Chlorothalonil	Fungistatic- slows growth and reduces spore production (Protective)	<p>Two application program: 1.5 – 2.5 pts./A</p> <p>Three application program: 1 – 2 pts./A</p>	<ul style="list-style-type: none"> - Minimum 14 day interval - Two application: First application early pod set (R3); Second application at beginning of seed formation (R5) - Three application: First at beginning of flowering (R1); second at early pod set (R3); third at beginning of seed set (R5) - 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

Fungicides with Section 18 quarantine exemption status for application to soybeans in PA, 26 Jan. 2005

<i>Product (Chemical Class)</i>	<i>Active Ingredient</i>	<i>Mode of Action (Activity)</i>	<i>Rate</i>	<i>Guidelines (All applications made between flowering (R1) and beginning seed fill (R5))</i>
Laredo EC (Triazole)	Myclobutanil	DMI- Sterol inhibitor (Protective + Curative)	4 – 8 oz/A	- Maximum two applications - PHI 28 days
Laredo EW (Triazole)	Myclobutanil	DMI- Sterol inhibitor (Protective + Curative)	4.8 – 9.6 oz/A	- Maximum two applications - PHI 28 days
Tilt (Triazole)	Propiconazole	DMI- Sterol inhibitor (Protective + Curative)	4 – 8 fl oz/A	- Maximum two applications - PHI 28 days - Latest growth state R5 (beginning seed) - No more than 12 fl oz per/A in a single season
Propimax (Triazole)	Propiconazole	DMI- Sterol inhibitor (Protective + Curative)	4 – 8 fl oz/A	- Maximum two applications - PHI 28 days - Latest growth state R5 (beginning seed) - No more than 12 fl oz per/A in a single season
Bumper (Triazole)	Propiconazole	DMI- Sterol inhibitor (Protective + Curative)	4 – 8 fl oz/A	- Maximum two applications - PHI 28 days - Latest growth state R5 (beginning seed) - No more than 12 fl oz/A in a single season
Folicur 3.6F (Triazole)	Tebuconazole	DMI- Sterol inhibitor (Protective + Curative)	3 – 4 fl oz/A	- Maximum of two applications - PHI 21 days - Maximum product 8 fl oz/A in a single season
Stratego (triazole + strobilurin)	Propiconazole + trifloxystrobin	DMI- Sterol inhibitor + QoI - Interferes with fungal respiration (Protective + Curative)	5.5 -10 fl oz/A	- Apply before disease development - 10 to 14 day spray interval - Applications up to R6 (full seed) - Do not apply within 21 days of harvest - Not more than 2 applications per season (20 fl oz)

Note for all section 18 products: Maximum of two applications using approved section 18 products collectively.

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