
SUPPLEMENTAL LABEL



Syngenta Crop Protection, Inc.
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SUPPLEMENTAL LABEL FOR QUADRIS® FLOWABLE

Fungicide

Broad spectrum fungicide for control of plant diseases

Active Ingredient:

Azoxystrobin: methyl (*E*)-2-{2-[6-(2-cyanophenoxy)
pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate* 22.9%

Other Ingredients: 77.1%

Total: 100.0%

Contains 2.08 lbs. of active ingredient per gallon

*IUPAC

EPA Reg. No. 100-1098

KEEP OUT OF REACH OF CHILDREN.

CAUTION

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.

Before using Quadris Flowable Fungicide as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the EPA registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and or restrictions that may be different from those that appear on the container label. This Supplemental Labeling supersedes the Directions for Use on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

GENERAL USE PRECAUTIONS

Do not graze or feed clippings from treated turf areas to animals. Do not plant the following crops for a period of 12 months (unless an azoxystrobin product is registered for use on that crop): buckwheat, millet, oats and rye. A plantback interval (PBI) of 36 days is required for Leafy Vegetables (Except Brassica) group; Brassica, Leafy Greens subgroup; Vegetables, Root subgroup; Vegetable (Tuberous and Corm) subgroup; and Vegetables, Leaves of Root and Tuber group. Azoxystrobin is registered for use on all other rotated crops and all other crops may be planted immediately after the last treatment.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Barley	Kernel Blight (<i>Alternaria</i> spp.) Leaf Rust (<i>Puccinia hordei</i>)	6.0-12.0 (0.10-0.20)	Integrated Pest (Disease) Management: Quadris should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, proper timing and placement of irrigation, removal of plant debris in which inoculum overwinters, plant residue management, and crop rotation.
	Net blotch (<i>Pyrenophora teres</i>) Barley Stripe (<i>Drechslera graminea</i> = <i>Pyrenophora graminea</i>)	9.0-12.0 (0.15-0.20)	Resistance Management: Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than two sequential applications of Quadris or other Group 11 fungicides before alternation with a fungicide that is not in Group 11. Do not make more than two (2) applications of Quadris or other Group 11 fungicide per season.
	Powdery Mildew (<i>Erysiphe graminis f. sp. hordei</i>) Stagonospora blotch (<i>Stagonospora nodorum</i>)	12.0 (0.20)	Application Directions: Quadris should be applied prior to disease development up to late head emergence (Feekes 10.5 or Zadok's 59). Applications may be made by ground, air or chemigation. A crop oil concentrate adjuvant may be added at 1.0% v/v to optimize efficacy.

Specific Use Restrictions:

- Do not apply later than Feekes growth stage 10.5 (Zadok's growth stage 59).
- Do not apply more than 0.40 lbs. a.i./A per season of azoxystrobin-containing products.
- Do not apply within 14 days of harvest for forage and hay.
- Do not apply within 45 days of harvest for grain and straw.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Clover (and stands containing Clover) <i>(Trifolium spp., Melilotus spp.)</i>	Rust <i>(Phakopsora spp.)</i> Alternaria Leaf spots <i>(Alternaria spp.)</i> Cercospora leaf spots <i>(Cercospora spp.)</i> Powdery Mildew <i>(Oidium spp., Erysiphe spp.)</i> Downy Mildew <i>(Peronospora spp.)</i>	6.0-15.5 (0.10-0.25)	<p><u>Integrated Pest (Disease) Management:</u> Quadris should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, proper timing and placement of irrigation, crop rotation and crop residue management.</p> <p><u>Resistance Management:</u> Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than two sequential applications of Quadris or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p><u>Application Directions:</u> Quadris applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Use the higher rates under severe disease pressure. Applications may be made by ground, air or chemigation. Use of an additive such as crop oil concentrate or non-ionic surfactant is recommended.</p> <p>For management of outbreaks of Asian rust on alternate host species such as kudzu, lespedeza, trefoil and vetch, apply Quadris to forages grown in the vicinity of soybeans and other legume crops (beans and peas) as a part of an Asian rust disease management strategy. Consult with local experts, university extension agents, and the Syngenta rust website (www.soybeanrust.com) for the latest advice.</p>

Specific Use Restrictions:

For pure stands of clover or mixed stands with grasses, do not apply more than 0.75 lbs. a.i./A per season of azoxystrobin-containing products.

Do not apply within 14 days of harvest for forage and hay.

Not for use on rangeland.

For pure stands of grasses, see **Grasses (grown for seed)** for use on grasses.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Cotton	Anthracnose (<i>Glomerella gossypii</i>) Ascochyta blight (<i>A. gossypii</i>) Rust (<i>Puccinia schedonnardi</i>)	6-9 (0.1-0.15)	<p>Integrated Pest (Disease) Management: Quadris should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper water management.</p> <p>Resistance Management: Do not apply more than two foliar applications of Quadris or other QoI fungicides before alternating with a fungicide that has a different mode of action. Do not make more than three (3) foliar applications of Quadris or other QoI fungicides per crop per acre per year.</p> <p>Application Directions: For optimum disease control, Quadris applications should begin prior to or in the early stages of disease development. Applications may be made by ground, air, or chemigation. An adjuvant may be added at recommended rates. Minimum application volumes for air and ground are 5 and 10 gallons per acre, respectively.</p> <p>The first Quadris application should be targeted approximately at pinhead square to first bloom to protect the plant from diseases. Subsequent application(s) are recommended on a 14-21 days schedule. An additional application may be made depending on environmental conditions and the health of the cotton plant.</p> <p>Under poor environmental conditions conducive to seedling disease and poor cotton growth, Quadris may be applied to early season cotton to suppress damping off and other diseases which result in plant stand loss.</p>
	Rhizoctonia seedling blight (<i>Rhizoctonia solani</i>) Pythium seedling blight (<i>Pythium aphanidermatum</i>)	In-Furrow 0.40-0.80 fl. oz. product per 1000 row feet (0.10-0.20 oz a.i. per 1000 row feet)	<p>Quadris Application Directions: Apply Quadris as an in-furrow spray in 3-7 gallons of water at planting. Mount the spray nozzle so the spray is directed into the furrow just before the seed are covered. Use the higher rate when the weather conditions are expected to be conducive for disease development, if the field has a history of Pythium problems, or if minimum/low till programs are in place.</p> <p>See GENERAL INFORMATION section for table illustrating total fluid ounces per acre with various row spacings.</p>

Specific Use Restrictions:

Do not apply more than 27 oz./crop/season as a foliar spray.
 May be applied up to 45 days before harvest.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
<p>Nongrass Animal Feeds Forage, Fodder, Straw and Hay</p> <p>Stands containing: Alfalfa (<i>Medicago sativa</i> subsp. <i>sativa</i>) Bean, velvet (<i>Mucuna pruriens</i> var. <i>utilis</i>) Kudzu (<i>Pueraria lobata</i>) Lespedeza (<i>Lespedeza</i> spp.) Lupin (<i>Lupinus</i> spp.) Sainfoin (<i>Onobrychis viciifolia</i>) Trefoil (<i>Lotus</i> spp.) Vetch (<i>Vicia</i> spp.) Vetch, crown (<i>Coronilla varia</i>) Vetch, milk (<i>Astragalus</i> spp.)</p> <p>Clover (see specific use instructions)</p>	<p>Rust (<i>Phakopsora</i> spp.) Alternaria Leaf spots (<i>Alternaria</i> spp.) Cercospora leaf spots (<i>Cercospora</i> spp.) Powdery Mildew (<i>Oidium</i> spp., <i>Erysiphe</i> spp.) Downy Mildew (<i>Peronospora</i> spp.)</p>	<p>6.0-15.5 (0.10-0.25)</p>	<p><u>Integrated Pest (Disease) Management:</u> Quadris should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, proper timing and placement of irrigation, crop rotation and crop residue management.</p> <p><u>Resistance Management:</u> Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than two sequential applications of Quadris or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p><u>Application Directions:</u> Quadris applications should begin prior to disease development and continue throughout the season. Use the higher rates under severe disease pressure. Applications may be made by ground, air or chemigation. Use of an additive such as crop oil concentrate or non-ionic surfactant is recommended.</p> <p>For management of outbreaks of Asian rust on alternate host species such as kudzu, lespedeza, trefoil and vetch, apply Quadris to forages grown in the vicinity of soybeans and other legume crops (beans and peas) as a part of an Asian rust disease management strategy. Consult with local experts, university extension agents, and the Syngenta rust website (www.soybeanrust.com) for the latest advice.</p>

Specific Use Restrictions:

Do not apply more than 0.25 lbs. a.i./A per cutting.

For pure stands of nongrass animal feeds or mixed stands with grasses, do not apply more than 0.75 lbs. a.i./A per season of azoxystrobin-containing products.

Do not apply within 14 days of harvest for forage and hay.

Not for use on rangeland.

For pure stands of grasses, see **Grasses (grown for seed)** for use on grasses.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Rice	Sheath/Stem Diseases Sheath Blight (<i>Rhizoctonia solani</i>)	6.0-18.5 (0.10-0.30)	Integrated Pest (Disease) Management: Quadris should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation, and sound water management practices.
	Aggregate Sheath Spot (<i>Ceratobasidium oryzae-sativae</i> = <i>Rhizoctonia oryzae-sativae</i>) Black Sheath Rot (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>) Sheath Spot (<i>Rhizoctonia oryzae</i>) Stem Rot (<i>Magnaporthe salvinii</i> = <i>Sclerotium oryzae</i> = <i>Nakateae sigmoidea</i>)	9.0–18.5 (0.15–0.30)	Resistance Management: Follow the resistance management guidelines in the Resistance Management Section. When Quadris is being applied for panicle blast on continuous rice acreage (no rotation to other crops), no more than two sequential foliar applications of Quadris or other Group 11 fungicides should be made over multiple years before alternating with a fungicide with a different mode of action. Do not make more than two (2) foliar applications of Quadris or other Group 11 fungicides per acre per season. Application Directions: Quadris should be applied prior to disease development. Applications may be made by ground, air or chemigation. For aerial application, volumes should be 5-10 GPA. An adjuvant may be added at recommended rates. For sheath blight control, application rates may vary from 9.0 to 12.0 fl. oz./A depending on the growth stage of the rice and the severity of the disease. Consult with your local extension personnel or Syngenta representative for the Syngenta Technical Bulletin on sheath blight control. For other stem/sheath diseases including stem rot, black sheath rot, aggregate sheath spot and sheath spot, apply when disease is less than 4 inches above water line usually between panicle differentiation (PD) +5 days to PD +10 days or at initial sign of disease. Under heavy disease pressure and conditions favorable for disease development, a second application may be applied. For foliar and panicle diseases, apply Quadris prior to disease development. Quadris must be applied as a preventative treatment for blast control and applied prior to favorable conditions for blast development. For panicle blast, an application should be applied at mid-boot to boot-split but prior to full head emergence. A second application should be applied when panicles are approximately 60-90% emerged from the boot (7-14 days later).
	Foliar Diseases Brown Leaf spot (<i>Cochliobolus miyabeanus</i>) Leaf Smut (<i>Entyloma oryzae</i>) Narrow Brown Leaf spot (<i>Cercospora janseana</i> = <i>Cercospora oryzae</i>)		
	Panicle Diseases Kernel Smut (<i>Tilletia barclayana</i> = <i>Neovossia barclayana</i>) Panicle Blast (<i>Pyricularia grisea</i>)		

Specific Use Restrictions:

- Do not treat rice fields used for aquaculture of fish and crustaceans.
- Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat. Applicators should use care in making applications near non-target aquatic habitats.
- Do not apply more than 0.70 lbs. a.i./A per season of azoxystrobin-containing products.
- Do not apply within 28 days of harvest.
- Do not allow release of irrigation or flood water for at least 14 days after the last application.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Sorghum	Anthracnose (<i>Colletotrichum graminicola</i>) Charcoal rot (<i>Macrophomina phaseolina</i>) Gray leaf spot (<i>Cercospora sorghi</i>)	6.0-15.5 (0.10-0.25)	<p>Integrated Pest (Disease) Management: Quadris should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation.</p> <p>Resistance Management: Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than two sequential applications of Quadris or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Quadris applications should begin prior to disease development. Use the high rates under conditions favorable for severe disease pressure, dense plant canopies, or when susceptible varieties are planted. Contact Extension personnel for local economic thresholds and timings for specific diseases in your area. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.</p> <p>Charcoal rot: Disease control may be enhanced by an in-furrow application of Quadris as described below.</p>
	Soilborne Diseases Damping-off (<i>Rhizoctonia solani</i> , <i>Pythium aphanadermatum</i>)	0.40-0.80 fl. oz./1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Specific Use Restrictions:

For grain and stover, do not apply more than 0.75 lbs. a.i./A per season of azoxystrobin-containing products.

For forage, do not apply more than 0.5 lbs. a.i./A per season of azoxystrobin-containing products.

Do not apply within 14 days of harvest.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Wheat Triticale	Leaf Rust <i>(Puccinia triticina = Puccinia recondita f.sp. tritici)</i> Stripe Rust <i>(Puccinia striiformis)</i> Stem Rust <i>(Puccinia graminis)</i> Septoria Leaf and Glume Blotch <i>(Septoria tritici, Septoria nodorum)</i> Tan Spot <i>(Pyrenophora tritici-repentis)</i>	4.0-12.0 (0.07-0.20)	<p><u>Integrated Pest (Disease) Management:</u> Quadris should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, proper timing and placement of irrigation, removal of plant debris in which inoculum overwinters, plant residue management, and crop rotation.</p> <p><u>Resistance Management:</u> Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than two sequential applications of Quadris or other Group 11 fungicides before alternation with a fungicide that is not in Group 11. Do not make more than two (2) applications of Quadris or other Group 11 fungicide per season.</p> <p><u>Application Directions:</u> Quadris should be applied prior to disease development up to late head emergence (Feekes 10.5 or Zadok's 59). Applications may be made by ground, air or chemigation. A crop oil concentrate adjuvant may be added at 1.0% v/v to optimize efficacy.</p>
	Powdery Mildew <i>(Erysiphe graminis)</i>	7.5-11 (0.125-0.175)	

Specific Use Restrictions:

- Do not apply later than Feekes growth stage 10.5 (Zadok's growth stage 59).
- Do not apply more than 0.40 lbs. a.i./A per season of azoxystrobin-containing products.
- Do not apply within 14 days of harvest for forage and hay.
- Do not apply within 45 days of harvest for grain and straw.

Crop	Target Diseases	Use Rate fl. oz. product/A (lbs. a.i./A)	Remarks
Wild Rice	<p>Brown Spot (<i>Bipolaris oryzae</i> or <i>Bipolaris sorokiana</i>)</p> <p>Also known as <i>Helminthosporium oryzae</i> and <i>H. sativum</i></p> <p>Stem Rot (<i>Nakataea sigmoidea</i>)</p>	12.5-15.5 (0.20-0.25)	<p>Integrated Pest (Disease) Management: Quadris should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation, and sound water management practices.</p> <p>Resistance Management: Follow the resistance management guidelines in the Resistance Management Section. When Quadris is being applied for panicle blast on continuous rice acreage (no rotation to other crops), no more than two sequential foliar applications of Quadris or other Group 11 fungicides should be made over multiple years before alternating with a fungicide with a different mode of action. Do not make more than two foliar applications of Quadris or other Group 11 fungicides per acre per season.</p> <p>Application Directions: Quadris should be applied prior to disease development. Applications may be made by ground, air, or chemigation. For aerial application, volumes should be 5-10 GPA. An adjuvant may be added at recommended rates.</p> <p>For foliar diseases, apply Quadris prior to disease development. Apply during tillering, boot, early heading, or at initial sign of disease. Under heavy disease pressure and conditions favorable for disease development, a second application may be applied.</p>

Specific Use Restrictions:

Do not treat wild rice fields used for aquaculture of fish and crustaceans.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat. Applicators should use care in making applications near non-target aquatic habitats.

Do not apply more than 0.70 lbs. a.i./A per season of azoxystrobin-containing products.

Do not apply within 28 days of harvest.

Do not allow release of irrigation or flood water for at least 14 days after the last application.

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Manufactured for:

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