

WHEAT DISEASE CONTROL

DISEASE	CHEMICAL AND FORMULATION	RATE PER ACRE	REMARKS AND PRECAUTIONS
Stagonospora Leaf and Glume Blotch, Leaf Rust, Stripe Rust, Powdery Mildew, Tan Spot	Azoxystrobin Quadris	6.2-10.8 oz.	Apply after Feekes 6 but not later than Feekes 10.5. Do not harvest treated wheat for forage. A crop oil concentrate adjuvant may be added at 1.0% v/v to optimize efficacy.
	Metconazole Caramba	10-14 oz	Maximum number of applications per season=2; Minimum time from application to harvest=30 days
	Propiconazole Tilt Propimax	4 ozs.	Tilt can be applied until heading stage (Feekes 10.5). Do not apply Tilt after this growth stage to avoid possible illegal residues. Tank mixes of half rates of Tilt + Quadris are also effective.
	Propiconazole-azoxystrobin Quilt, QuiltXcel	7-14 oz	Applications may be no closer than a 14 day interval. Quilt can be applied up to Feekes growth stage 10.5.
	Propiconazole-trifloxystrobin Stratego	10 oz.	Do not apply more than 2 applications of Stratego per season. Do not apply after Feekes 10.5
	Prothioconazole Proline	4.3-5 fl oz	For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Proline. Up to two applications of Proline can made per year.
	Prothiconazole + Tebuconazole Prosaro	6.5 - 8.2 fl. oz	Begin applications preventively when conditions are favorable for disease development. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Prosaro.
	Pyraclostrobin Headline	6-9 oz.	Apply no later than Feekes 10.5
	Pyraclostrobin + Metconazole Twinline	7-9 fl oz	Do not apply more than 2 applications per season. Do not apply after Feekes 10.5
	Tebuconazole Folicur	4 fl oz	Folicur is not longer manufactured (2009). No end-user restrictions for disease control, use until supply lasts. Not labeled for Powdery mildew control.

A foliar fungicide point system is available for guidance in wheat disease control. See the Wheat Production Guide available from your County Extension Agent.

SMALL GRAIN INSECT CONTROL

(Grain Production of Wheat, Barley, Oats, and Rye)

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CROP/PEST	INSECTICIDE ¹	AMOUNT OF FORMULATION PER ACRE	LB. ACTIVE INGREDIENT PER ACRE	TREATMENT THRESHOLDS AND REMARKS
WHEAT and TRITICALE				
Aphids	Seed Treatments <u>imidacloprid</u> Gaucho 600, Attendant 600, Access	0.8 fl. oz./100 lb. seed	0.03 lb./100 lb. seed	<p>Inspect fields at 25-35 days after planting, full tiller, and heading. Yield-reducing transmission of Barley Yellow Dwarf virus can occur during first two periods; transmission at heading is too late to reduce yield.</p> <p>Aphid treatment thresholds are: Seedlings (2 per row ft.), 6-10 inch plants (6 per row ft.), Stem elongation (2 per stem), Flag leaf (5 per flag), Heading (10 per head to include flag), Soft/Hard Dough stages (Do not treat).</p> <p>NOTE: Seed treatment rates are for aphids but labeled rates Gaucho XT and Enhance AW also contains two fungicides.</p> <p>NOTE: Cruiser 5FS is available as a commercial seed treatment. Rate of CruiserMaxx Cereals alone is too low for effective aphid control.</p>
	Gaucho XT Enhance AW	3.4 fl. oz./100 lb. seed 4.0 fl. oz./100 lb	0.03 lb./100 lb. seed 0.05 lb./100 lb. seed	
	<u>thiamethoxam</u> Cruiser 5FS Cruiser Maxx Cereals plus Cruiser 5FS	1.0 fl. oz./100 lb. seed 5.0 fl. oz./100 lb. seed plus 0.5 fl. oz./100 lb seed	0.04 lb./100 lb. seed 0.04 lb./100 lb. seed (total)	
	Foliar Treatments Baythroid XL (1EC)	2.4 fl. oz.	0.019	
	Dimethoate 4EC, 400 Dimethoate 2.67EC	0.5 - 0.75 pt. 0.75 - 1 pt.	0.25 - 0.375 0.25 - 0.375	
	Methyl 4EC Pencap-M	0.5 - 1.5 pt. 2 - 3 pt.	0.25 - 0.75 0.5 - 0.75	
	<u>lambda cyhalothrin</u> Karate Zeon, others (2.08) Warrior, Silencer, Lambda, others (1.0)	1.28 - 1.92 fl. oz. 2.56 - 3.84 fl. oz.	0.02 - 0.03 0.02 - 0.03	
	<u>gamma cyhalothrin</u> Declare, Prolex (1.25) Proaxis (0.5)	1.02 - 1.54 fl. oz. 2.56 - 3.84 fl. oz.	0.01 - 0.015 0.01 - 0.015	
Armyworm (True armyworm)	Baythroid XL (1EC)	1.8 - 2.4 fl. oz.	0.014 - 0.019	<p>True armyworm usually infests wheat in late winter and spring at the boot/head stage. Treat when larval numbers exceed 4 larvae per square foot before pollen shed and 8 larvae per square foot after pollen shed.</p> <p>NOTE: Tracer, Radiant and Baythroid are most effective against small larvae.</p>
	Lannate 2.4 LV Lannate 90SP	1.5 pt. 0.5 lb.	0.45 0.45	
	Methyl 4EC Pencap-M	1 - 1.5 pt. 2 - 3 pt.	0.5 - 0.75 0.5 - 0.75	
	Mustang MAX, Respect (0.8EC)	3.2 fl. oz.	0.02	
	Tracer 4SC	1.5 - 2 fl. oz.	0.047 - 0.063	
	<u>lambda cyhalothrin</u> Karate Zeon others (2.08) Warrior, Silencer, Lambda, others (1.0)	1.28 - 1.92 fl. oz. 2.56 - 3.84 fl. oz.	0.02 - 0.03 0.02 - 0.03	
	<u>gamma cyhalothrin</u> Declare, Prolex (1.25) Proaxis (0.5)	1.02 - 1.54 fl. oz. 2.56 - 3.84 fl. oz.	0.01 - 0.015 0.01 - 0.015	
	Radiant 1SC	3 - 6 fl. oz.	0.0234 - 0.469	
	Tombstone 2.0	1.8 - 2.4 fl. oz.	0.028 - 0.038	