

### Labelled Fungicides for Use in Wheat in Texas

Product/Active ingredient	Company	Rate/A (fl. Oz.)	Some diseases controlled	Powdery mildew	Stagonospora leaf/glume blotch	Septoria leaf blotch	Tan spot	Stripe rust	Leaf rust	Stem rust	Head scab <sup>4</sup>	Pre-Harvest Interval (PHI)	Application timing (from label)
Absolute Maxx 22.6% tebuconazole 22.6% Trifloxystrobin	Bayer Crop Science	5.0	Rusts ( <i>Puccinia</i> spp.)	G	VG	VG	VG	VG	E	VG	NL	35 days	No more than 5 fl. oz per season
Aproach SC 22.5% picoxystrobin	Du Pont	6.0 – 12.0	Rusts ( <i>Puccinia</i> spp.)	G <sup>1</sup>	VG	VG <sup>2</sup>	VG	E <sup>3</sup>	VG	VG	NL	45 days	Apply no later than beginning of flowering (Feekes 10.5)
Aproach Prima SC 17.94% picoxystrobin 7.17% cyproconazole	Du Pont	3.4 – 6.8	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	VG	VG	VG	VG	E	VG	-	NR	45 days	For optimizing yield and flag leaf disease control, apply at Feekes 9 ('flag leaf out')
Alto 100SL 8.9% cyproconazole	Syngenta	3.0 – 5.5	Rusts ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	30 days	Apply between Feekes 8 and 10.5.1
Caramba 0.75 SL 8.6% metconazole	BASF	10.0 – 17.0	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	VG	VG	-	VG	E	E	E	G	30 days	Apply after flag leaf emergence for optimum results
Custodia 11.0% azoxystrobin 18.35% tebuconazole	MANA	6.4 – 8.6	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	45 days	At earliest sign of rust pustules up to late head emergence (Feekes 10.5)
Delaro 325 SC 16.0% prothioconazole 13.7% trifloxystrobin	Bayer Crop Science	8.0	Rust, Powdery mildew, Glume blotch.	G	VG	VG	VG	VG	VG	VG	NL	35 days	Feekes 10.5
Evito 480 SC 40.3% fluoxastrobin	Arysta LifeScience	2.0 – 4.0	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	40 days	From Feekes 5 (leaf sheaths strongly erect) up to late head emergence (Feekes 10.5)
Fortix 14.84% fluoxastrobin 19.3% flutriafol	Arysta LifeScience	4.6 – 6.0	Rusts ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	40 days	Applied through full head emergence (Feekes 10.5)
Headline SC 23.6% pyraclostrobin	BASF	6.0 – 9.0	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	G	VG	VG <sup>2</sup>	E	E <sup>3</sup>	E	G	NL	14 days	Apply no later than beginning of flowering (Feekes 10.5)
Lucento 15.55% bixafen 26.27% flutriafol	FMC	3.0 – 5.5	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	30 days	Apply when conditions are favorable for disease development or flag leaf. Apply no later than PHI.
**Monsoon, Onset 3.6 L, Tebustar 3.6 L, etc. ~38.7% tebuconazole	Loveland Products Inc. AgriSolutions Albaugh, Inc.	4.0	Rusts ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	30 days	Apply at earliest sign of rust pustules on foliage
Miravis Ace SE 13.7% Pydiflumentofen 11.4% Propiconazole	Syngenta	13.7	Tan spot, Powdery mildew, Fusarium head blight.	VG	VG	VG	VG	VG	VG	VG	G <sup>6</sup>	7 <sup>a</sup> days	Feekes 10.3 through Feekes 10.5.2.
Priaxor 14.3% fluxapyroxad 28.6% pyraclostrobin	BASF	4.0 – 8.0	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	G	VG	VG	E	VG	VG	G	NL	-	Apply no later than beginning of flowering (Feekes 10.5)

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Prosaro 421 SC 19% prothioconazole 19% tebuconazole	Bayer Crop Science	6.5 – 8.2	Rusts ( <i>Puccinia</i> spp.)	G	VG	VG	VG	E	E	E	G	30 days	Until mid-flowering when 75-100% wheat heads fully emerged and 50% of heads on main stem in flower (Feekes 10.5.2)
Quadris 22.9% azoxystrobin	Syngenta	4.0 – 12.0	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	45 days	Do not apply after Feekes 10.54 (~flowering completed)
Quilt Xcel 2.2 SE <sup>5</sup> 13.5% azoxystrobin 11.7% propiconazole	Syngenta	10.5 – 14.0	Rusts ( <i>Puccinia</i> spp.)	VG	VG	VG	VG	E	E	VG	NL	45 days	Applied when the flag leaf is 50% to fully emerged and until full head emergence (Feekes 10.5)
Stratego YLD 32.3% trifloxystrobin 10.8% prothioconazole	Bayer Crop Science	4.0	Rusts ( <i>Puccinia</i> spp.)	G	VG	VG	VG	VG	VG	VG	NL	35 days	Do not apply after Feekes growth stage 10.5 (full head emergence)
Topguard EQ 25.3% azoxystrobin 18.6% flutriafol	FMC	4.0 – 7.0	Leaf rust, Stripe rust, Stem rust ( <i>Puccinia</i> spp.)	-	-	-	-	-	-	-	-	30 days	Apply no later than Feekes 10.5.4
TwinLine 1.75 EC 12% pyraclostrobin 7.4% metconazole	BASF	7.0 – 9.0	Rust, Tan spot, Septoria leaf and glume blotch.	-	-	-	-	-	-	-	-	30 days	Apply no later than the beginning of flowering (Feekes 10.5)
Trivapro 2.9% benzovindiflupyr 10.5% azoxystrobin 11.9% propiconazole	Syngenta	9.4 – 13.7	Rust, Tan spot, Powdery mildew, Leaf blight.	VG	VG	VG	VG	E	E	VG	NL	7 days	At earliest sign of rust pustules up through flowering (Feekes 2 through Feekes 10.5.4); Minimum 14 day interval between subsequent applications.

<sup>1</sup>Efficacy categories: NL=Not Labeled; NR=Not Recommended; P=Poor; F=Fair; G=Good; VG=Very Good; E=Excellent; -- = Insufficient data to make statement about efficacy of this product.

<sup>2</sup>Product efficacies may be reduced in areas with fungal populations that are resistant to strobilurin fungicides.

<sup>3</sup>Efficacy may be significantly reduced if solo strobilurin products are applied after stripe rust infection has occurred.

<sup>4</sup>Application of products containing strobilurin fungicides may result in elevated levels of the mycotoxin Deoxynivalenol (DON) in grain damaged by head scab.

<sup>5</sup>Multiple generic products containing the same active ingredients also may be labeled in some states.

<sup>6</sup>Based on application timing at the beginning of anthesis (Feekes 10.5.1)

<sup>4</sup>For forage and hay. For grain, DO NOT apply Miravis Ace after full head emergence (Feekes 10.5.4).

NOTE: This may not be a complete list for Texas. \*Some other products containing propiconazole include Fitness and Propiconazole E-AG. \*\*Some other generic tebuconazole products include Embrace, Muscle 3.6F, Tebucon, Toledo, Tebuzol 3.6F, and Orius. The information above may change. Please read label carefully. For information on diseases of wheat and other crops, please visit: <http://sickcrops.tamu.edu>

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