



## Fungicide Efficacy for Control of Wheat Diseases

The **North Central Regional Committee on Management of Small Grain Diseases (NCERA-184)** has developed the following information about fungicide efficacy for the control of certain foliar diseases of wheat for use by the grain production industry in the United States.

The efficacy ratings for each fungicide listed in this table were determined by field testing the materials over multiple years and locations by the members of the committee. Efficacy is based on proper application timing to achieve optimum effectiveness of the fungicide as determined by labeled instructions and overall level of disease in the field at the time of application. Differences in efficacy among fungicide products were determined by direct comparisons among products in field tests and are based on a single application of the labeled rate as listed in the table.

The table includes most widely marketed products and is not intended to be a list of all labeled products.

Many products have specific use restrictions. Restrictions may be present on the amount of active ingredient that can be applied within a period of time or on the number of sequential applications that can occur.

**Read and follow all use restrictions before applying any fungicide.**

Fungicide Efficacy for Control of Wheat Diseases<sup>1</sup>

Class	Fungicide(s)		Rate/A (fl. oz)	Powdery Mildew	Stagonospora Leaf/Glume Blotch	Septoria Leaf Blotch	Tan Spot	Stripe Rust	Leaf Rust	Stem Rust	Head Scab <sup>2</sup>	Harvest Restriction
	Active Ingredient	Product										
Strobilurins	fluoxastrobin 40.3%	Evito 480SC <sup>®</sup>	2.0-4.0	G	U	U	VG	U	VG	U	NL	Feekes 10.5 and 40 days
	picoxystrobin 22.5%	Aproach SC <sup>®</sup>	6.0-12.0	G	VG	VG <sup>3</sup>	VG	E <sup>4</sup>	VG	VG	NL	Feekes 10.5
	pyraclostrobin 23.6%	Headline SC <sup>®</sup>	6.0-9.0	G	VG	VG <sup>3</sup>	E	E <sup>4</sup>	E	G	NL	Feekes 10.5
	metconazole 8.6%	Caramba 0.75SL <sup>®</sup>	10.0-17.0	VG	VG	U	VG	E	E	E	G	30 days
Triazoles	propiconazole 41.8%	Tilt 3.6EC <sup>es</sup>	4.0	VG	VG	VG	VG	VG	VG	VG	P	Feekes 10.5-4
	prothioconazole 41%	Proline 480SC <sup>®</sup>	5.0-5.7	U	VG	VG	VG	VG	VG	VG	G	30 days
	prothioconazole 19% tebuconazole 19%	Prostaro 421SC <sup>®</sup>	6.5-8.2	G	VG	VG	VG	E	E	E	G	30 days
	tebuconazole 38.7%	Follicur 3.6F <sup>es</sup>	4.0	NL	NL	NL	NL	E	E	E	F	30 days
Mixed Modes of Action <sup>6</sup>	benzovindiflupyr 2.9%											
	propiconazole 11.9%	Trivapro SE <sup>®</sup>	9.4-13.7	VG	VG	VG	VG	E	E	VG	NL	Feekes 10.5-4 14 days
	azoxystrobin 10.5%											
	cyproconazole 7.17%	Aproach Prima SC <sup>®</sup>	3.4-6.8	VG	VG	VG	VG	E	VG	U	NR	45 days
	picoxystrobin 17.94%											
	fluxapyroxad 14.3%	Priaxor <sup>®</sup>	4.0-8.0	G	VG	VG	E	VG	VG	G	NL	Feekes 10.5
	pyraclostrobin 28.6%											
	fluapyroxad 2.8%	Nexicor EC <sup>®</sup>	7.0-13.0	G	VG	VG	E	E	E	VG	NL	Feekes 10.5
	pyraclostrobin 18.7%											
	propiconazole 11.7%											
	fluoxastrobin 14.8%	Preemptor SC <sup>®</sup>	4.0-6.0	U	U	VG	VG	E	VG	U	NL	Feekes 10.5 and 40 days
	flutriafol 19.3%											
propiconazole 11.7%	Quilt Xcel 2.2SE <sup>es</sup>	10.5-14.0	VG	VG	VG	VG	E	E	VG	NL	Feekes 10.5-4	
azoxystrobin 13.5%												
prothioconazole 16.0%	Delaro 325SC <sup>®</sup>	8.0	G	VG	VG	VG	VG	VG	VG	NL	Feekes 10.5 35 days	
trifloxystrobin 13.7%												
prothioconazole 10.8%	Stratego YLD <sup>®</sup>	4.0	G	VG	VG	VG	VG	VG	VG	NL	Feekes 10.5 35 days	
trifloxystrobin 32.3%												
tebuconazole 22.6%	Absolute Maxx SC <sup>®</sup>	5.0	G	VG	VG	VG	VG	VG	VG	NL	35 days	
trifloxystrobin 22.6%												

<sup>1</sup> Efficacy ratings: P=poor, F=fair, G=good, VG=very good, E=excellent, NL=not labeled for use against this disease, U=unknown efficacy or insufficient data to rank product.

<sup>2</sup> Application of products containing strobilurin fungicides may result in elevated levels of the mycotoxin Deoxynivalenol (DON) in grain damaged by head scab.

<sup>3</sup> Product efficacy may be reduced in areas with strobilurin-resistant fungal populations.

<sup>4</sup> Efficacy may be significantly reduced if solo strobilurin products are applied after stripe rust infection has occurred.

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

<sup>6</sup> Products with mixed modes of action generally combine triazole and strobilurin active ingredients. Nexicor<sup>®</sup>, Priaxor<sup>®</sup>, and Trivapro<sup>®</sup> include carboxamide active ingredients.

## Find Out More

The Crop Protection Network (CPN) is a multi-state and international collaboration of university and provincial extension specialists, and public and private professionals who provide unbiased, research-based information to farmers and agricultural personnel. Our goal is to communicate relevant information that will help professionals identify and manage field crop diseases.

Find more resources at [CropProtectionNetwork.org](http://CropProtectionNetwork.org).



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