



Fungicide Efficacy for Control of Corn Diseases

The **Corn Disease Working Group (CDWG)** developed ratings for how well fungicides control major corn diseases in the United States. The CDWG determined the efficacy ratings for each fungicide by field-testing the materials over multiple years and locations. Each rating is based on the product's level of disease control and does not necessarily reflect yield increases obtained from applying the product.

A product's efficacy depends on proper application timing, rate, and application method as determined by the product label and overall level of disease in the field. Members of the CDWG determined differences in efficacy among each fungicide product by directly comparing products in field tests using a single application of the labeled rate.

The table includes the most widely marketed products available that have been tested over multiple years and locations — it is not intended to be a list of all labeled products. Additional fungicides are labeled for disease on corn, including contact fungicides such as chlorothalonil. Other fungicides may be available for diseases not listed in the table, including Diplodia, Gibberella, and Fusarium ear rots.

Many products have specific use restrictions about the amount of active ingredient that can be applied within a specific period or the amount of sequential applications that can occur. For application timing and use considerations, contact your local extension service.

Read and follow all use restrictions before applying any fungicide.

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Class	FUNGICIDE(S)		Rate/A (fl. oz.)	Anthracnose Leaf Blight	Common Rust	Eyespot	Gray Leaf Spot	Northern Leaf Blight	Southern Rust	Harvest Restriction ²
	Active ingredient (%)	Trade Name								
QoI Strobilurins Group 11	azoxystrobin 22.9%	Quadris 2.085C [®] multiple generics	6.0-15.5	VG	E	VG	E	G	G	7 days
	pyraclostrobin 23.6%	Headline 2.09EC/5C [®]	6.0-12.0	VG	E	E	E	VG	VG	7 days
	picoxystrobin 22.5%	Approach 2.085C [®]	3.0-12.0	VG	VG-E	VG	F-VG	VG	G	7 days
	propiconazole 41.8%	Tilt 3.6EC [®] multiple generics	2.0-4.0	NL	VG	E	G	G	F-G	30 days
DMI Triazoles Group 3	prothioconazole 41.0%	Proline 480SC [®]	5.7	U	VG	E	U	VG	G	14 days
	tebuconazole 38.7%	Folicur 3.6F [®] multiple generics	4.0-6.0	NL	U	NL	U	VG	F-G	36 days
	tetraconazole 20.5%	Domark 230ME [®]	4.0-6.0	U	U	U	E	VG	G	R3 (milk)
	azoxystrobin 13.5% propiconazole 11.7%	Quit Xcel 2.25E [®] multiple generics	10.5-14.0	VG	VG-E	VG-E	E	VG	VG	30 days
Mixed Modes of Action	benzovindiflupyr 2.9% azoxystrobin 10.5% propiconazole 11.9%	Triapro [®]	13.7	U	U	U	E	VG	E	30 days
	cyproconazole 7.17% picoxystrobin 17.94%	Approach Prima 2.345C [®]	3.4-6.8	U	U	U	E	VG	G-VG	30 days
	flutriafol 19.3% fluxastrobin 14.84%	Fortix 3.225C [®] Preemptor 3.225C [®]	4.0-6.0	U	U	U	E	VG-E	VG	R4 (dough)
	pyraclostrobin 28.58% fluxapyroxad 14.33%	Priaxor 4.175C [®]	4.0-8.0	U	VG	U	VG	VG-E	G	21 days
	pyraclostrobin 13.6% metconazole 5.1%	Headline AMP 1.685C [®]	10.0-14.4	U	E	E	E	VG	G-VG	20 days
	trifloxystrobin 32.3% prothioconazole 10.8%	Stratego YLD 4.185C [®]	4.0-5.0	VG	E	VG	E	VG	G-VG	14 days
	tetraconazole 7.48% azoxystrobin 9.35%	Affiance 1.55C [®]	10.0-14.0	U	U	U	U	G-VG	G	7 days

¹ Efficacy ratings: 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.
² Harvest restrictions are for field corn harvested for grain. Restrictions may vary for other types of corn (such as sweet, seed, popcorn), and corn for other uses (such as forage or fodder).

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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 crop disease resources at CropProtectionNetwork.org.



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