

Quick Reference Insecticide Spray Guide: Wheat

Pesticide active ingredient	Product brand name examples	Mode of action	Reentry interval (hours)	Preharvest interval (days)	Target pests†					Effects on
					Armyworm	Greenbug or aphid	Grasshopper	Hessian fly	Cereal leaf beetle	natural enemies‡
dimethoate	Dimethoate	1B	48	35		+++	++			М
beta-cyfluthrin	Baythroid XL	3	12	30	+++	+++	+++		+++	Н
methomyl	Lannate	1A	48	7	+++	+++	+		+++	Н
malathion	Malathion, Fyfanon	1B	12	7	+	++	++		+++	S
zeta-cypermethrin	Mustang Max, Respect	3	12	14	+++	+++	+++		+++	M
gamma-cyhalothrin	Proaxis, Declare	3	24	30	+++	+++	+++		+++	S
carbaryl	Sevin	1A	12	48	++				+++	S
spinosad	Tracer	5	4	21	+++		+			L
sulfoxaflor	Transform	4C	24	14		+++				L
lambda-cyhalothrin	Karate, Silencer, Lambda-Cy	3	24	30	+++	+++	+++		+++	M

[†] Level of control of target pest: no observed control (), low levels of pest suppression (+), short-term control (+++) or good control (+++).

Adapted from: Studebaker, G., J. Carson, J.D. Hopkins, K. Loftin, G. Lorenz, P. Spradley, and J. Zawislak. 2013. Insecticide recommendations for Arkansas. University of Arkansas Cooperative Extension Services: Little Rock.

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Always read and follow directions on the pesticide label. The University of Missouri intends no endorsement of products named here nor criticism of similar products that are not mentioned.

[‡] Effects on natural enemies: low (L), slight (S), moderate (M) or high (H) toxicity.