

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 natural enemies [‡]
					Armyworm	Greenbug or aphid	Grasshopper	Hessian fly	Cereal leaf beetle	
dimethoate	Dimethoate	1B	48	35		+++	++			M
beta-cyfluthrin	Baythroid XL	3	12	30	+++	+++	+++		+++	H
methomyl	Lannate	1A	48	7	+++	+++	+		+++	H
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 (+++).

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

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.