

Quick Reference Insecticide Spray Guide: Rice

Pesticide active ingredient	Product brand name examples	Mode of action	Reentry interval (hours)	Preharvest interval (days)	Target pests [†]											Effects on natural enemies [‡]	
					Chinch bug	Fall armyworm	True armyworm	Short horned grasshopper	Rice stink bug (adult)	Rice stink bug (egg/nymph)	Rice water weevil (adult)	Rice water weevil (egg)	Midge larvae	Rice stalk borer	Aphids		Grape colaspis
clothianidin	Belay	4A	12	seed					+++		+++				+++	++	S
thiamethoxam	Cruiser	4A	12	seed	++		+				++	+++				++	S
chorantraniliprole	Dermacor X-100	28	4	seed	+		+++				+	+++		+++		++	M
diflubenzuron	Dimilin 2L	15	12	50								+++					S
lambda-cyhalothrin	Karate, Silencer, Lambda-Cy	3	24	30	+++	+++	+++	+++	+++	+++	+++		++	++	+++		M
malathion	Malathion	1B	12	7	+	+	++	++	++	+++					++		S
zeta-cypermethrin	Mustang Max, Respect	3	12	14	+++	+++	+++	+++	+++	+++	+++			++	+++		M
clothianidin	NipSit Inside	4A	12	seed	++						++	+++				+++	S
gamma-cyhalothrin	Prolex, Declare	3	24	21	+++	+++	+++	+++	+++	+++	+++			++	+++		S
dinotefuran	Tenchu	4A	12	7					+++								L

[†] 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: Stuebaker, 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.