

## LOUISIANA RECOMMENDATIONS FOR CONTROL OF INSECTS ON WHEAT AND OATS

Insect	Crop	Insecticide	lbs. Active Ingredient/Acre	Limitations	
Aphids (including the greenbug aphid)	Oats and Wheat	Malathion	1.0	<b>Methyl parathion:</b> Apply when air is above 60°F. Do not apply within 15 days of harvest or grazing. REI: 4 days  <b>Malathion:</b> Do not apply within 7 harvest. REI: 12 hrs. <b>Dimethoate:</b> Do not apply within 14 days of grazing or 35 days of harvest. REI: 48 hrs.  <b>Lannate:</b> Do not apply within 10 days of grazing or 7 days of harvest. REI: 48 hrs  <b>Carbaryl:</b> Do not apply within 21 days of harvest or 7 days of grazing. REI: 12 hrs.	
		Methyl parathion	0.25- 0.75		
		Dimethoate ( <b>wheat</b> only)	0.25-0.33		
		SUPPRESSION (see labels)			
		Karate Z ( <b>wheat</b> only)	0.03		
		Mustang Max ( <b>wheat</b> only)	0.02-0.025		
		Treat when greenbugs cause areas with dead plants. Other aphid species may not require control.			
		Greenbug Treatment Levels (General Guide)			
		Plant height (inches)	Number of greenbugs (per linear foot)		
		3-6	100-300		
4-8	200-400				
6-16	300-800				
Armyworms or Fall armyworms	Oats and Wheat	Malathion	1.25	<b>Karate Z:</b> Do not apply within 30 days of harvest. No waiting period for grazing. Do not apply more than 0.06 pound per acre per season. REI: 24 hrs.  <b>Tracer:</b> Pre-harvest treatment interval-21 days for grain, 14 days for forage or hay harvest. Do not apply more than 0.28 lb. AI per acre per year. REI: 4 hours.	
		Methyl parathion	0.75		
		Karate Z ( <b>wheat</b> only)	0.02-0.03		
		Tracer	0.047-0.094		
		Lannate	0.225-0.45		
		Carbaryl (Sevin) ( <b>wheat</b> only)	1.0-1.5		
		Mustang Max ( <b>wheat</b> only)	0.02-0.025		
		Treat when 5 or more worms per square foot are found and foliage loss is occurring.			
Stinkbugs	Oats and Wheat	Mustang Max ( <b>wheat</b> only)	0.02-0.025	<b>Mustang Max:</b> Do not apply more than 0.125 AI per acre per season. Post harvest interval is 14 days. REI: 12 hrs.  <b>Cruiser:</b> Toxic to wildlife and aquatic organisms. REI: 12 hours	
		Karate Z ( <b>wheat</b> only)	0.02-0.03		
		Methyl parathion	0.25- 0.5		
		Treat when 10% of spikes (wheat heads) in the milk stage are infested. Treat when 25% of spikes in the soft dough stage are infested.			
Hessian fly	Wheat	Seed Treatments		<b>Gaicho:</b> Toxic to birds and aquatic invertebrates. Do not graze livestock for 45 days. REI: 12 hrs.	
		Gaicho 600	1.6 fluid ozs. per cwt.		
		Gaicho XT @ 3.4 fluid ozs.+ Gaicho 600 @ 1 fluid oz./cwt			
		Cruiser 5FS	1.33 fluid oz. per cwt.		
		Cruiser Max Cereals @ 5 fluid ozs.+Cruiser 5S @ 0.5-1 fluid oz./cwt.			
		Foliar Treatments (suppression only)			
		Karate Z/lambda-cyhalothrin	0.03 lb. AI/acre		
		Apply when adult Hessian fly are emerging and active in the fall (2-4 leaf stage), or the late winter, early to mid-March). *Timing of applications is difficult.			
		Management Tactics			
		1. Plant during recommended time period. There is no "fly free date" for Louisiana. 2. Rotate wheat ground, if possible. 3. Use conventional tillage in the spring (following harvest) and fall (prior to harvest). 4. Eliminate volunteer wheat in the summer. 5. Avoid using susceptible wheat for cover crops and wildlife plantings. 6. Plant resistant varieties where available. *The resistant variety must have the resistant gene(s) for the Hessian fly biotype present.			