

## LOUISIANA RECOMMENDATIONS FOR CONTROL OF INSECTS ON PASTURES AND FORAGE CROPS

Insect	Crop	Insecticide	lbs. Active Ingredient/Acre	Limitations
Spider mites	Clovers	Malathion*	1 lb	Most insecticides are toxic to bees. Avoid treating pollinating forages when bees are active.
Cutworms	Clovers	Sevin/carbaryl*	1.0-1.5 lbs	<b><u>Pre-harvest treatment interval for PASTURE GRASS, CLOVER, and VETCHES</u></b>
Armyworms and Fall armyworms	Pasture grasses and hay crops	Sevin/carbaryl Lannate Methyl parathion Tracer  Treat for 1 or more worms per sweep or 1-2 or more per square foot.)	0.5 lb 0.225 lb 0.5 lb 0.031- 0.062	<b><u>Lannate:</u></b> 7-day PHI-grazing or harvest.  <b><u>Malathion:</u></b> 0-day PHI-grazing or harvest.  <b><u>Methyl parathion/Penncap M:</u></b> 15-day PHI-grazing or harvest.
Chinch bugs	Pasture grasses Forage Sorghums	Carbaryl (Sevin) Carbaryl (Sevin)	1.5 lbs 1.0-2.0 lbs	<b><u>Sevin: (Pastures)</u></b> 14-day PHI-grazing or harvest for improved pasture; 0 days for rangeland (no improvements). Do not apply more than 1.5 lb. ai/acre/season.
Clover head weevils	Clovers	Methyl parathion Examine seed heads. Treat when 10%-20% of seed heads are infested with larvae.	0.5-1.0 lb	<b><u>Tracer:</u></b> Toxic to bees and mollusks Pre-harvest interval: 3 days for hay/fodder; 0 for fodder.
Spittlebugs	Bermuda grass	No chemical control is recommended. Prevent a dense mat of grass from forming by grazing or by close mowing and raking.		<b><u>Pre-harvest treatment interval for ALFALFA.</u></b>  <b><u>Dimethoate:</u></b> 10-day PHI-grazing or harvest and only one application per cutting.
Aphids	Clovers Vetches Grasses	Malathion Methyl parathion	1 lb 0.25 lb	<b><u>Furadan:</u></b> 7-day PHI for 0.25 lb. A.I./acre rate, 14 days for 0.5 lb A.I./acre rate. Do not apply more than once per cutting.
Plant bugs	Clovers and Legumes (seed crop only)	Methyl parathion	0.25-0.5 lb	<b><u>Imidan:</u></b> 7-day PHI-grazing or harvest.  <b><u>Methyl parathion/Penncap M:</u></b> 15-day PHI -grazing or harvest.
Leaf hoppers	Pasture grasses and Alfalfa	Carbaryl (Sevin)  Close graze or harvest Bermuda grass pastures at 6-inch height to reduce leafhopper/plant hopper populations.	1 lb	<b><u>Sevin:</u></b> 7-day PHI-grazing or harvest and only one application per cutting. Do not apply more than 1.5 lb. ai/acre/cutting.

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INSECTS ON PASTURES AND FORAGE CROPS (cont'd)**

Insect	Crop	Insecticide	lbs. Active Ingredient/Acre	Limitations	
				<b>Lorsban:</b> 14 days for 0.5 lb A.I./acre rate, grazing or cutting, and only one application per cutting.	
Spotted alfalfa aphids	Alfalfa	Malathion	0.75 lb	<b>Baythroid:</b> Extremely toxic to fish and aquatic invertebrates. Avoid drift, runoff, and direct application to water; 7-day pre-harvest and pre-grazing interval.	
		Methyl parathion	0.25 lb		
		Pennacap-M	0.25 lb		
		Dimethoate	0.25-0.5 lb		
		Mustang Max	0.014-0.025		
Alfalfa weevils	Alfalfa  (Treat when 50% of growing tips have feeding sign)	Methyl parathion	0.5 lb	<b>Mustang Max:</b> Pre-harvest interval, 3 days for cutting or grazing, 7 days for seed. Do not apply more than 0.025 lb A.I. per cutting or 0.075 lb A.I. per season.	
		Furadan 4F	0.25-0.5 lb		
		Imidan	0.9 lb		
		Lorsban	0.5 lb		
		Baythroid	0.025-0.044		
		Pennacap-M	0.5 lb		
		Mustang Max	0.014-0.025		
		Warrior T	0.02-0.03		
Imported fire ant	Pasture grasses	Amdro Pro	1 lb-1.5 lbs bait/acre broadcast or 5 TBS/mound	<b>Warrior-T:</b> Pre-harvest interval 7 days for hay and 1 day for forage. Do not apply more than 0.03 lb. A.I./acre/cutting or more 0.12 lb. A.I./acre/season.	
		Carbaryl (Sevin)	Use as a mound drench as per label instructions.		
		Extinguish (methoprene)	1.0-1.5 lbs bait/acre broadcast or 3-5 TBS/mound		<b>Amdro:</b> 7-day pre-harvest interval for cutting and baling hay. Maximum applications/year: 4
		Logic* (fenoxycarb) (Horse pasture only)	1.0-1.5 lbs/acre or 1-3 TBS/mound		
		Justice (spinosad)	4-6 TBS/mound Do not broadcast.		<b>Esteem:</b> Pre-harvest interval: 24 hrs.
		Esteem (pyriproxifen)	1.5 – 2.0 lbs./acre		<b>Logic:</b> for use on HORSE PASTURES only.

A reduction of approximately 50% in mound number and mound size may be obtained by dragging pastures and disrupting ant mounds 2 times per winter shortly before and/or during the time the air temperature is 32°F or lower.

\* Horse pastures only.