

**LOUISIANA RECOMMENDATIONS FOR CONTROL
OF INSECTS ON CORN AND GRAIN SORGHUM**

Insect	Insecticide	Lb. Active Ingredient/Acre	When to Treat	Insecticide Use Limitations
CORN	<u>At planting</u>			
Rootworms	Capture/bifenthrin (2)	0.06 ¹	Preventive treatment. Rates are based on a 40-inch row spacing. (See footnote #1)	Asana XL: Toxic to fish. Do not apply directly to water. Maximum A.I./acre/per season: corn, 0.25 lb; grain sorghum 0.15 lb. Pre-harvest interval: corn, 21 days; grain sorghum, 21 days. REI: 12 hours
	Furadan 4F	1.0		
	Lorsban/chlorpyrifos 15G ³	1.0 ¹		
	Force 3G	0.1 ¹		
	Counter 15G ²	1.0 ¹		
	Thimet 20G ^{3,4}	1.0 ¹		
	Regent 4 SC ⁸	0.1 ¹		
	Aztec 2.1G	0.11 ¹		
Poncho 1250	1.25 mg. ai/kernel seed treatment		Use only on corn grown west of Baton Rouge and north of Interstate 10. Toxic to fish and wildlife. Keep out of water. REI: 0 hours.	
Cruiser 5F	1.25 mg. ai/kernel seed treatment			
CORN	<u>At planting</u>			
Cutworms	Lorsban/chlorpyrifos 15G ³	1.0 ¹	Preventive: Soil insecticides at planting. Rates are based on a 40-in. row spacing.	Baythroid: Toxic to fish and aquatic invertebrates. Maximum A.I./acre/season: corn, 0.088 lb; grain sorghum 0.066 lb. Pre-harvest interval: corn, 21 days; grain sorghum, 14 days. REI: 12 hours.
	Force 3G	0.1 ¹		
	Aztec 2.1 G	0.11 ¹		
	<u>At-planting bands or post-emergence</u>			
	Warrior T/ lambda-cyhalothrin	0.015-0.025	Treat when seedling plants show 6% to 8% damage from above ground cutting or 2% to 4% from below ground boring.	Capture: Do not apply within 30 days of harvest. Do not graze or cut for feed within 30 days of last application. Toxic to bees, fish, and aquatic invertebrates; maximum A.I./acre/season: 0.3 lb. REI: 24 hours.
	Lorsban/chlorpyrifos ⁵ (4)	0.5- 1.0		
	Mustang Max (0.8)	0.008-0.0175		
	Permethrin (2)	0.1-0.15		
	Capture/bifenthrin (2)	0.033- 1.0		
	Asana XL (0.66)	0.03-0.05		
	Baythroid XL (1)	0.007-0.012		
	Cyfluthrin (2)	0.013-0.025		
CORN	<u>At-planting</u>			
Chinch bugs	Regent 4 SC ⁸	0.1 ¹	Preventive: Rates are based on a 40-in. row spacing.	Counter: Toxic to birds, fish, and other wildlife. Keep out of any body of water. REI: 48 hours. Cruiser: Toxic to wildlife and aquatic invertebrates. Do not apply directly to water and do not allow drift or runoff. REI: 12 hours.
	Aztec 2.1G	0.11 ¹		
	Furadan 4F	1.0 ¹		
	Counter 15G ²	1.0 ¹		
	Thimet 20G ^{3,4}	1.0 ¹		
	Lorsban/ chlorpyrifos 15G ⁵	1.0 ¹		
	<u>Seed Treatments</u>			
	Cruiser 5FS	0.12- 0.8 mg ai/kernel	Commercially treated seed	Cyfluthrin: Same as Baythroid, but maximum A.I./acre corn is 0.175; grain sorghum is 0.131. Dimethoate: Toxic to wildlife and aquatic organisms. Do not apply after heading. Avoid runoff when spraying. On grain sorghum do not feed or graze within 28 days of the last application; make no more than 3 applications per season. REI: 48 hours. Force: Highly toxic to fish and other aquatic organisms. Do not apply directly to water or wetlands or within 20 yards of water. Rotate only to corn or soybeans. REI: 0 hrs
	Poncho 250/ 1250	0.25/1.25 mg A.I./kernel		
	<u>Post-emergence</u>			
	Baythroid XL (1)	0.02	Seedling corn less than 6 inches tall: 5 or more bugs on 20% or more plants.	
	Lorsban/chlorpyrifos ⁵ (4)	0.5 – 1.0		
	Warrior T/ lambda-cyhalothrin (1)	0.03	Larger plants: judgment decision based on bug counts, crop vigor and weather conditions.	
	Capture/bifenthrin (2)	0.033-0.1		
	Mustang Max (0.8)	0.02-0.025		
	Cyfluthrin (2)	0.03		
	Sevin (carbaryl) (4)	1.5-2.0		
	Furadan 4F	0.5		

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Insect	Insecticide	Lb. Active Ingredient/Acre	When to Treat	Insecticide Use Limitations
CORN				
Corn earworm	Mustang Max (0.8)	0.011-0.025	Treatment rarely needed except in extreme situations. Treatment for worms in the ear is not recommended.	Furadan 4F: Toxic to bees, fish, birds, and other wildlife. Keep out of any body of water. Do not apply where runoff is likely or when weather conditions favor drift. On corn, do not make more than two foliar applications per season or one application per season if Furadan was used as a soil insecticide. On corn do not apply within 30 days of harvest. On sorghum do not make more than two applications/season at the one pint rate. On sorghum do apply after heads emerge from boot. Do not graze or harvest sorghum grown for silage within 75 days of treatment. Re-entry interval: 14 days for foliar spray and 48 hours for soil applied.
Fall armyworm (Whorls only)	Sevin (carbaryl) (4)	1.5-2.0		
	Asana XL (0.66)	0.03-0.05		
	Permethrin (3.2)	0.1-0.2		
	Warrior T/ lambda-cyhalothrin	0.02-0.025		
	Baythroid XL (1)	0.012-0.022		
	Capture/bifenthrin (2)	0.033-0.1		
	Cyfluthrin (2)	0.025-0.044		
CORN				
Stink bugs	Methyl parathion ⁵ (4)	0.25-0.5	Treat if 5% of plants have bugs at or prior ear shoot appearance. Early season, plants up to V5, treat when 10% of plants are infested.	
	Baythroid XL ⁹ (1)	0.012- 0.022		
	Mustang Max ⁹ (0.8)	0.017-0.025		
	Capture/ bifenthrin (2)	0.033-0.1		
	Cyfluthrin ⁹ (2)	0.025-0.044		
	Warrior T lambda-cyhalothrin (1) ⁹	0.02-0.03		
CORN				
Cucumber beetles and Grape colaspis	Methyl parathion (4) ⁵	0.25	At silking, when 5 or more beetles per ear are found.	Gaucho 600: Highly toxic to birds and aquatic invertebrates. <u>Do not</u> graze or feed livestock on treated seed areas for 45 days after planting. REI: 12 hours
CORN				
Stalk borers	Mustang Max (0.8)	0.017-0.025	Before tasselling: 25% infested plants at and after tassel stage: 10% infested plants Plant varieties recommended for your area.	Intrepid: Drift and runoff may be toxic to sensitive aquatic vertebrates. Do not apply by air within 150 feet or by ground within 25 feet of surface water. On corn do not apply within 21 days of harvest. Lannate: Toxic to fish, birds, bees, other wildlife. Keep out of any body of water. Do not graze or feed to livestock within 14 days of last application. Do not harvest for grain within 14 days of last application. Maximum A.I./acre/season: 0.9 lbs. REI: 48 hours. Lorsban: Toxic to bees, birds, fish, and other wildlife. Pre-harvest interval for grain: corn, 35 days; grain sorghum, 30 days. Pre-harvest interval for grazing and silage: corn, 14 days; grain sorghum, 30 days. Maximum A.I./acre/season: corn, 3 lbs.; grain sorghum 1.5 lbs. REI: 12 hours for 15G; 24 hours for 4E.
	Furadan 4F	1.0		
	Asana XL (0.66)	0.03-0.05		
	Permethrin (3.2)	0.1-0.2		
	Warrior T/ lambda-cyhalothrin (1)	0.02-0.03		
	Intrepid (2)	0.06-0.12		
	Cyfluthrin (2)	0.025-0.044		
	Capture/bifenthrin (2)	0.033-0.10		
	Baythroid XL (1)	0.012-0.022		
	Bt Hybrids	Yieldguard and Herculex		
GRAIN SORGHUM				
Fire Ants	Cruiser 5F	5.1 ozs/cwt. seed	Preventive treatments: Soil insecticide rate is based on a 40-inch row spacing.	
	Gaucho 480	8 ozs/cwt. Seed		
	Lorsban 15G	1.0 ¹		
GRAIN SORGHUM				
Chinch Bugs	<u>Soil Insecticides</u>		Preventive: Rates are based on a 40-inch row spacing.	
	Furadan 4F ¹	1.0		
	Lorsban/ chlorpyrifos 15G ¹	1.0		
	<u>Seed Treatments</u>		Preventive	
	Gaucho 480	8 ozs/cwt. seed		
	Poncho 600	5.1-6.4 ozs/cwt. seed		
	Cruiser 5FS	5.1 ozs/cwt. seed		

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GRAIN SORGHUM				
Chinch Bugs (cont'd)	<u>Foliar sprays:</u>		Two or more adults are found on 20% of seedling plants. For larger plants, a judgment decision based on bug counts, crop vigor, and growing conditions	Methyl parathion: Toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not apply during pollen shed. On corn do not harvest within 12 days of last application. REI: 4 days.
	Cyfluthrin (2)	0.03		
	Lorsban/chlorpyrifos (4)	0.5-1.0		
	Sevin (carbaryl) (4)	1.5-2.0		
	Furadan 4F	0.5		
	Mustang Max (0.8)	0.02- 0.025		
Corn Leaf Aphid, Greenbug Yellow Sugar- cane Aphid	Karate Z/ lambda-cyhalothrin (2)	0.03	Treatments rarely needed for corn leaf aphid. Infestations of greenbugs are rare.	Mustang Max: Toxic to bees, fish, and aquatic vertebrates. Do not apply more than 0.125 lb. A.I./acre on grain sorghum or 0.10 lb A.I./ acre on corn/season. Pre-harvest interval: corn, 30 days; sorghum, 14 days. REI: 12 hours.
	Baythroid XL (1)	0.19- 0.022		
	GRAIN SORGHUM			
Corn Leaf	Dimethoate (2.67)	0.25-0.5	Treatments rarely needed for corn leaf aphid. Infestations of greenbugs are rare.	Prolex: Same as Karate, but do not apply more than 0.04 pound A.I./ acre/season.
Aphid, Greenbug	Lorsban/chlorpyrifos (4)	0.25-0.5		
Yellow Sugar- cane Aphid				
GRAIN SORGHUM				
Sorghum	Lorsban/chlorpyrifos (4)	0.25-0.5	During bloom, treat for 1 or more midge per head. Additional treatments at 5-7 day intervals may be needed. Plant early and uniformly.	Karate Z: Toxic to fish, aquatic organisms and bees. Do not graze livestock on treated areas or harvest for livestock feed. Maximum A.I./acre/year is 0.08 lb. Pre-harvest interval: 30 days. REI: 24 hours.
Midge	Lannate (2.4)	0.225-0.45		
	Karate Z/lambda-cyhalothrin (2)	0.02		
	Cyfluthrin (2)	0.02		
	Prolex (1.25)	0.01		
	Mustang Max (0.8)	0.025		
	Asana XL (0.66)	0.03		
	Baythroid XL (1)	0.01		
GRAIN SORGHUM				
Corn Earworm	Cyfluthrin (2)	0.02-0.044	Treatment in whorl stage rarely needed.	Poncho: Do not use treated seed for feed, food, or oil. Refer to label for replant restrictions following treated seed planting. Treated seed exposed on soil surface may be hazardous to wildlife.
Fall Armyworm	Sevin (carbaryl) (4)	1.5-2.0		
	Baythroid XL (1)	0.01-0.022	Treat seed heads for 1 or more worms per head up until the hard dough stage.	Permethrin: Toxic to fish and bees. Pre-harvest interval for grain: 30 days. Maximum A.I./acre/season: 0.6 lbs. Keep out of any body of water. REI: 24 hours.
	Lannate (2.4)	0.33-0.45		
	Karate Z/ lambda-cyhalothrin (2)	0.02- 0.03		
	Asana XL (0.66)	0.03-0.05		
	Tracer (4)	0.047-0.094		
	Mustang Max (0.8)	0.011-0.025		
	Prolex (1.25)	0.01-0.015		
GRAIN SORGHUM				
Sorghum	Sevin (carbaryl) (4)	1.5-2.0	Treat seed heads for 4 or more worms per head, up until the hard dough stage.	Regent: Do not get on skin, breathe the spray mist, or get in eyes. Toxic to birds and aquatic life. Keep out of water and avoid runoff. REI: 24 hrs.
Webworm	Lannate (2.4)	0.45		
	Lorsban/chlorpyrifos (4)	0.5		
	Tracer (4)	0.047-0.094		
GRAIN SORGHUM				
Stalk Borers	Cyfluthrin (2)	0.02- 0.044	Treat before larvae bore into stalk.	Sevin: Pre-harvest interval for grain/fodder: corn, 48 days; grain sorghum, 21 days; pre-harvest interval on grazing/silage for corn and grain sorghum, 14 days. Maxi- mum A.I./acre/season: corn, 8 lbs; grain sorghum, 6 lbs. REI: 12 hours
	Mustang Max (0.8)	0.011- 0.025		
	Karate Z/ lambda/cyhalothrin	0.02- 0.03		
	Prolex (1.25)	0.01- 0.015		
	Baythroid XL (1)	0.01- 0.022		

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Insect	Insecticide	Lb. Active Ingredient/Acre	When to Treat	Insecticide Use Limitations
GRAIN SORGHUM				
Cutworms	Lorsban/chlorpyrifos (4)	0.5-1.0	Treat before damage reduces stand below optimum plant population.	Tracer: Toxic to bees. Don't apply to water. Don't apply more than 14.4 ozs./acre/year. Pre-harvest treatment for grain or fodder, 7 days for forage, 14 days.
	Asana XL (0.66)	0.03-0.05		
	Mustang Max (0.8)	0.008-0.025		
	Baythroid XL (1)	0.008-0.01		
	Cyfluthrin (2)	0.016-0.02		
	Karate Z/ lambda-cyhalothrin (2)	0.015-0.02		
Prolex (1.25)	0.0075-0.01		Thimet: This product is toxic to fish, shrimp, crabs, birds, and other wildlife. Keep out of lakes, streams, ponds, marshes, and estuaries. Do not apply where runoff is likely to occur. REI: 48 hours.	
			Warrior T: Same general restrict- ions as Karate. On corn do not apply more than 0.12 lb A.I./acre/ season or 0.06 lb. A.I./acre after silking. Pre-harvest: 21 days. REI: 24 hours.	

WARNING: Re-entry time for workers entering treated fields should be strictly observed. Be sure to check the label for this information.

¹ The rate provided is active ingredient per acre based on a 40-inch row spacing. Refer to label for the amount of product per 1,000 row feet. Also, refer to label for application instructions/restrictions on application method, i.e. in-furrow, surface band, T-band, etc.

² Serious crop injury may occur if an ALS inhibiting herbicide is applied to corn previously treated at planting with Counter 15G. Read the ALS herbicide label carefully for exact restrictions and precautions.

³ Crop injury may occur if an ALS inhibiting herbicide is applied to corn treated at planting with Thimet, Lorsban, or other organophosphate soil insecticide.

⁴ May cause phytotoxicity if used on light soils.

⁵ Crop injury may occur if an ALS inhibiting herbicide is applied too soon either before or after the application of a foliar organo-phosphate insecticide. Read the ALS herbicide label carefully for exact restrictions and precautions.

⁶ At planting treatments control first generation stalk borers.

⁷ Warrior T will not give effective control of brown stink bugs. Mustang Max, Cyfluthin and Baythroid XL will give satisfactory brown stink bug control only at the highest recommended rates.