Wheat and Oats

Table 1. Other insects - Aphids (including greenbug aphid)

Insecticide	Amount of Concentrate per Acre	Pounds Active Ingredient/Acre	Acres Treated per Gallon or Pound SP	Comments
malathion Malathion (5EC)	24 ounces	1	5.3	General guideline for greenbug treatment levels: • Plant height (inches): 3-6, 4-8, 6-16 • Number of greenbugs (per linear foot): 100-300, 200-400, 300-800
sulfoxaflor Transform (50WG)	0.75 ounce	0.023	21.3	
dimethoate Dimethoate (4EC)	8-12 ounces	0.25-0.375	16-10.7	Wheat only.
lambda-cyhalothrin Warrior II (2.08CS)	1.92 ounces	0.03	66.7	• Suppression • Wheat only. See labels. Treat when greenbugs cause areas with dead plants. Other aphid species may not require control.
z-cypermethrin Mustang Maxx (0.8EC)	3.2-4 ounces	0.02-0.025	40-32	

Table 2. Other insects - True armyworm, Fall armyworm

Insecticide	Amount of Concentrate per Acre	Pounds Active Ingredient/Acre	Acres Treated per Gallon or Pound SP	Comments
lambda-cyhalothrin Warrior II (2.08CS)	1.28-1.92 ounces	0.02-0.03	100-66.7	• Treat when 5 or more worms per square foot are found, and foliage loss is occurring.
spinosad Blackhawk (0.36WG)	1.7-3.3 ounces	0.038-0.075	9.4-4.8	
z-cypermethrin Mustang Maxx (0.8EC)	3.2-4 ounces	0.02-0.025	40-32	Wheat only

Table 3. Other insects - Stink bugs

Insecticide	Amount of Concentrate per Acre	Pounds Active Ingredient/Acre	Acres Treated per Gallon or Pound SP	Comments
z-cypermethrin Mustang Maxx (0.8EC)	3.2-4 ounces	0.02-0.025	40-32	Wheat only
lambda-cyhalothrin Warrior II (2.08CS)	1.28-1.92 ounces	0.02-0.03	100-66.7	• 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

Host plant resistance and cultural control tactics

1. Plant resistant varieties where available. The use of resistant varieties is the key method for the management of Hessian fly. The resistant variety must have the resistant gene(s) for the Hessian fly biotype present.
2. Plant during the recommended time period. There is no “fly-free date” for Louisiana.
3. Rotate wheat ground, if possible.
4. Use conventional tillage in the spring.
5. Eliminate volunteer wheat in the summer (following harvest) and fall (prior to harvest).
6. Avoid using susceptible wheat for cover crops and wildlife plantings.

Table 7. Hessian fly

Insecticide	Amount of Concentrate per Acre	Pounds Active Ingredient/Acre	Acres Treated per Gallon or Pound SP	Comments
imidacloprid Gaucho 600	1.6 fluid ounces per cwt.	See label.	See label.	• Seed treatment. • Wheat only.
imidacloprid Gaucho XT	3.4 fluid ounces + Gaucho 600 @ l fluid ounce/cwt	See label.	See label.	
thiamethoxam Cruiser 5FS	1.33 fluid ounce per cwt.	See label.	See label.	
thiamethoxam Cruiser Maxx Cereals	5 fluid ounces + Cruiser 5S @ 0.5-1 fluid ounce/cwt.	See label.	See label.	
clothianidin Nipsit INSIDE	1.79 fluid ounce per cwt	See label.	See label.	

Insecticide	Amount of Concentrate per Acre	Pounds Active Ingredient/Acre	Acres Treated per Gallon or Pound SP	Comments
lambda-cyhalothrin Warrior II (2.08CS)	1.92 ounce	0.03	66.7	• Foliar application. • Wheat only. • Apply when adult Hessian flies are emerging and active in the fall (2- to 4-leaf stage) or the late winter, early to mid-March). Timing of applications is difficult.

Insecticide Precautions and Limitations (refer to insecticide label for complete information)

- **Malathion:** Do not apply within seven days of harvest. REI: 12 hours.
- **Dimethoate:** Do not apply within 14 days of grazing or 35 days of harvest. REI: 48 hours.
- **Warrior II:** Do not apply within 30 days of harvest. The waiting period for grazing is seven days. Do not apply more than 0.06 lb per acre per season. REI: 24 hours.
- **Mustang Maxx:** Do not apply more than 0.125 lb AI per acre per season. The postharvest interval is 14 days. REI: 12 hours.
- **Cruiser:** Toxic to wildlife and aquatic organisms. REI: 12 hours.
- **Gaucho:** Toxic to birds and aquatic invertebrates. Do not graze livestock for 45 days. REI: 12 hours.