

TEMPORARY WINTER GRAZING INSECT CONTROL

(Rye, oats, wheat and ryegrass)

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PEST	MATERIAL AND FORMULATION ¹	MOA	AMOUNT OF FORMULATION PER ACRE	LB ACTIVE INGREDIENT PER ACRE	REI/PHI (Hours or Days)	REMARKS AND PRECAUTIONS
Aphids	SEED TREATMENTS					<p>Treat for aphids if large numbers occur and cause leaves to dry and die over large areas. Bird cherry oat aphids also can infect wheat and oats with barley yellow dwarf disease which may reduce later forage growth.</p> <p>NOTE: Gaucho and Attendant are not labeled for use on ryegrass. Gaucho XT, Cruiser and NipsIt Inside also contain fungicides</p> <p>NOTE: Cruiser 5FS is available as a commercial seed treatment. Rate of CruiserMaxx Cereals alone is too low for effective aphid control.</p> <p>NOTE: Seed treatments listed are not labeled for use on ryegrass.</p> <p>NOTE: Transform wheat, triticale, and barley only.</p>
	<i>clothianidin</i> NipsIt Inside	4A	0.75-1.79 fl oz/100 lb seed	--	12 H/ --	
	<i>imidacloprid</i> Gaucho 600, Attendant 600, Axxess Gaucho XT Enhance AW	4A	0.8 fl oz/100 lb seed 3.4 fl oz/100 lb seed 4 fl oz/100 lb	0.03 lb/100 lb seed 0.03 lb/100 lb seed 0.05 lb/100 lb seed	12 H/ 45 D	
	<i>thiamethoxam</i> Cruiser 5FS Cruiser Maxx Cereals plus Cruiser 5FS	4A	0.75-1.33 fl oz/100 lb seed	0.03-0.05	12 H/ --	
	FOLIAR TREATMENTS					
	<i>beta-cyfluthrin</i> Baythroid XL (1)	3A	1.8-2.4 fl oz	0.014-0.019	12 H/ 3 D	
	<i>gamma cyhalothrin</i> Declare (1.25) Proaxis (0.5)	3A	1.54 fl oz 3.84 oz	0.015 0.015	24 H/ 0 D	
	<i>lambda cyhalothrin</i> Karate Zeon (2.08) Warrior, Silencer, Lambda, others (1.0)	3A	1.92 fl oz 3.84 fl oz	0.03 0.03	24 H/ 0 D	
	<i>malathion</i> Malathion 57EC, 5EC Malathion 8EC	1B	1.5 pt 1 pt	0.94 1	12 H/ 7 D	
	<i>sulfoxaflor</i> Transform 50WG	4C	0.75 oz	0.023	24 H/ 7 D	
Armyworm True armyworm Fall armyworm, Beet armyworm, Yellowstriped armyworm	<i>beta-cyfluthrin</i> Baythroid XL (1)	3A	1.8-2.4 fl oz	0.014-0.019	12 H/ 3 D	<p>True armyworm usually infests wheat in late winter and spring at the boot/head stage. Treat when larval numbers exceed 4 larvae per square foot before pollen shed and 8 larvae per square foot after pollen shed.</p> <p>Fall armyworm, beet armyworm, yellowstriped armyworm and cutworms infestations usually in fall on seedling plants. Treat when larval populations of any one or any combination of these insects exceed 3 larvae (1/2" long or larger)/sq ft.</p>
	<i>chlorantraniliprole</i> Coragen 1.67SC Prevathon (0.43)	28	3.5-5 fl oz 14-20 fl oz	0.045-0.065 0.047-0.067	4 H/ 14 D	
	<i>gamma cyhalothrin</i> Declare (1.25) Proaxis (0.5)	3A	1.28-1.54 fl oz 3.2-3.84 fl oz	0.0125-0.015 0.0125-0.015	24 H/ 0 D	
	<i>lambda cyhalothrin</i> Karate Zeon (2.08) Warrior, Silencer, Lambda, others (1)	3A	1.6-1.92 fl oz 3.2-3.84 fl oz	0.025-0.03 0.025-0.03	24 H/ 0 D	

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Armyworm True armyworm Fall armyworm, Beet armyworm, Yellowstriped armyworm (continued)	<i>methomyl</i> Lannate 2.4 LV Lannate 90SP	1A	2 pt 0.5 lb	0.45 0.45	48 H/ 10 D	
	<i>spinosad</i> Blackhawk (36%)	5	1.7-3.4 oz	0.038-0.075	4 H/ 3 D	
	<i>spinetoram</i> Radiant 1SC	5	3-5 fl oz	0.0234-0.0469	4 H/ 3 D	
	<i>zeta-cypermethrin</i> Mustang MAX, Respect 0.8EC	3A	3.2 fl oz	0.02-0.025	12 H/ 0 D	
Grasshoppers	<i>beta-cyfluthrin</i> Baythroid XL 1EC	3A	1.8-2.4 fl oz	0.014-0.019	12 H/ 3 D	
	<i>gamma cyhalothrin</i> Declare (1.25)	3A	0.77-1.54 fl oz	0.0075-0.015	24 H/ 0 D	
	<i>lambda cyhalothrin</i> Karate Zeon (2.08) Warrior, Silencer, Lambda, others (1)	3A	1.28-1.92 fl oz 2.56-3.84 fl oz	0.02-0.03 0.02-0.03	24 H/ 0 D	
	<i>malathion</i> Malathion 57EC, 5EC Malathion 8EC	1B	1.5 pt 1-1.25 pt	0.94 1.0-1.25	12 H/ 7 D	
	<i>zeta-cypermethrin</i> Mustang MAX, Respect 0.8EC	3A	3.2 fl oz	0.02-0.025	12 H/ 0 D	
Lesser cornstalk borer						No feasible chemical control available. Seed treatments applied for aphid control may provide useful suppression.
Winter grain mite	<i>gamma cyhalothrin</i> Declare (1.25) Proaxis (0.5)	3A	1.54 fl oz 3.84 fl oz	0.015 0.015	24 H/ 30 D	Treat when mites are present and plants are stunted and discolored.
	<i>lambda cyhalothrin</i> Karate Zeon (2.08) Warrior, Silencer, Lambda, others (1)	3A	1.92 fl oz 3.84 fl oz	0.03 0.03	24 H/ 30 D	

PHI*: Harvest intervals listed are for grazing. See product label for hay and grain PHI.