

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 GRAZING (Hours or Days)	REMARKS AND PRECAUTIONS	
Aphids	SEED TREATMENTS						
	<i>clothianidin</i> NipsIt Inside	4A	0.75-1.79 fl oz/100 lb seed	–	12 H/ – Not listed	<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 and Cruiser Maxx Vibrance alone is too low for effective aphid control.</p> <p>NOTE: Seed treatments listed are not labeled for use on ryegrass.</p> <p>NOTE: Warrior II Zeon will replace Karate Zeon.</p> <p>NOTE: Transform wheat, triticale and barley only.</p>	
	<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 Ceral Maxx Vibrance plus Cruiser 5FS	4A	0.75-1.33 fl oz/100 lb seed 5 fl oz/100 lb seed 5-10 fl oz/100 lb seed	0.03-0.05 0.04 lb/100 lb seed (total)	12 H/ 45 D		
	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/ 7 D		
	<i>lambda cyhalothrin</i> Warrior II Zeon 2.08 Silencer, Lambda, other brands 1	3A	1.92 fl oz 3.84 fl oz	0.03 0.03	24 H/ 7 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	0.75-1.5 oz	0.023-0.046	24 H/ 7 D		
Armyworm True armyworm Fall armyworm, Beet armyworm, Yellowstriped armyworm	<i>alpha-cypermethrin</i> Fastac 0.83EC	3A	3.2-3.8 fl oz	0.020-0.025	24 H/ 14 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 cutworm infestations usually occur 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> <p>NOTE: Dimilin is only for small larvae, will not kill large larvae.</p>
	<i>beta-cyfluthrin</i> Baythroid XL 1	3A	1.8-2.4 fl oz	0.014-0.019	12 H/ 3 D		
	<i>cyfluthrin</i> (wheat only) Tombstone Tombstone Helios 2.0	3A	1.8-2.4 fl oz	0.028-0.038	12 H/ 3 D		
	<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>diflubenzuron</i> Dimilin 2L	15	2 fl oz	0.5	12 H / 0 D		

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Armyworm True armyworm Fall armyworm, Beet armyworm, Yellowstriped armyworm (continued)	<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/ 7 D	
	<i>lambda cyhalothrin</i> Warrior II Zeon 2.08 Silencer, Lambda, other brands 1	3A	1.6-1.92 fl oz 3.2-3.84 fl oz	0.025-0.03 0.025-0.03	24 H/ 7 D	
	<i>methomyl</i> Annihilate LV	1A	0.75-1.5 pt	0.225-0.45	48 H/ 7 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 Maxx, Respect 0.8EC	3A	3.2 fl oz	0.02-0.025	12 H/ 14 D	
Grasshoppers	<i>beta-cyfluthrin</i> Baythroid XL 1EC	3A	1.8-2.4 fl oz	0.014-0.019	12 H/ 3 D	Treat when grasshoppers are causing excessive defoliation.
	<i>gamma cyhalothrin</i> Declare (1.25)	3A	0.77-1.54 fl oz	0.0075-0.015	24 H/ 7 D	
	<i>lambda cyhalothrin</i> Warrior II Zeon 2.08 Silencer, Lambda, other brands 1	3A	1.28-1.92 fl oz 2.56-3.84 fl oz	0.02-0.03 0.02-0.03	24 H/ 7 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 Maxx, Respect 0.8EC	3A	3.2 fl oz	0.02-0.025	12 H/ 14 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/ 7 D	Treat when mites are present and plants are stunted and discolored. Infestations are usually associated with application of cattle manure or chicken litter.
	<i>lambda cyhalothrin</i> Warrior II Zeon 2.08 Silencer, Lambda, other brands 1	3A	1.92 fl oz 3.84 fl oz	0.03 0.03	24 H/ 7 D	

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