

PERENNIAL GRASS

PERENNIAL GRASS INSECT CONTROL

(Including bermudagrasses, bahiagrasses, fescues, and other perennial pasture grasses)

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| PEST | MATERIAL AND FORMULATION ¹ | AMOUNT PER ACRE | REMARKS AND PRECAUTIONS |
|--|--|---------------------------|---|
| Bahiagrass borer, billbug larvae, white grubs, white-fringed beetle larvae | | | No effective insecticides labeled for control of these insects in pastures. If practical, rotate fields to crops where preplant or at-planting insecticides can be used to control these insects. <u>Exception:</u> Deep turning of infested pastures usually reduces bahiagrass borer populations to the point that bahiagrass or other grasses can be reseeded into the pasture. |
| Chinch bug | Mow or burn. | | WHEN TO TREAT FOR INSECTS IN PERENNIAL-GRASS PASTURES |
| | Karate | 1.28 to 1.92 ozs. | |
| | zeta-cypermethrin (Mustang Max) | 2.24 to 4.0 ozs. | |
| Cutworms | Materials applied for armyworms will give helpful control. | | APHIDS: Treat if heavy infestations are causing leaf discoloration over large areas of the field. |
| Armyworm, Caterpillars, Fall armyworm, Striped Grass Looper | carbaryl (Sevin) 80S 50WP | 1¼ to 1 7/8 lbs. 2-3 lbs. | CHINCH BUGS: Treat if populations are causing grass leaves to wilt over large areas of the field. |
| | chlorantraniliprole (Coragen) | 3.5 - 5.0 oz. | CUTWORMS, FLEA BEETLES, GRASSHOPPERS: Treat if heavy populations appear to be defoliating grass excessively. |
| | cyfluthrin (Baythroid XL) | 2.6 - 2.8 . | FIRE ANTS: Treat in pastures where heavy livestock birthing will occur. In hay pastures, treat when mounds are so numerous they interfere with haying operations. |
| | Karate | 1.28 to 1.92 ozs. | GREEN JUNE BEETLE LARVAE: Treat when populations average 1 larva per square yard. |
| | methoxyfenozide (Intrepid) 2F | 4 to 8 ozs. | LEAFHOPPERS: Treat if heavy infestations are causing the grass to appear off-color or unthrifty. |
| | spinosad (Tracer) | 1 to 2 ozs. | SPITTLEBUGS: Treat when 1 or more adult spittlebug is found per square foot. |
| | methomyl (Lannate) 2.4 LV 90SP (Use methomyl on bermudagrass only.) | 1 to 2 pts. ¼ to ½ lb. | THRIPS: Treat if heavy infestations are causing discolorations and damage over large areas of the field. |
| | Dimilin 2L | 1-2 ozs. | PESTICIDE USE PRECAUTIONS Apply any of the pesticides listed in this table with aerial or ground equipment as label directs. Where a range of rates is given for a material, use the low rate on low-growth grass or small larvae and the high rate on dense grass growth or large larvae. |
| | zeta-cypermethrin (Mustang Max) | 2.24 to 4.0 ozs. | <u>Amdro</u> : 7 day PHI for hay. Okay for grazing. <u>Baythroid</u> : 0 day PHI for hay and grazing, see label for other restrictions. |
| | Voliam Express | 5.0 - 9.0 oz. | <u>carbaryl (Sevin, etc.)</u> : Do not graze or cut for hay for 14 days after application. <u>cypermethrin (Mustang MAX)</u> : 0 day PHI for hay or forage; Do not apply more than 0.10 lb. per acre per season. <u>diflubenzuron (Dimilin)</u> : 0 day for grazing; 1 day PHI for hay; no more than 2 ozs. per cutting. |
| Fire ants | Hydramethylnon (Amdro) | 1-1½ lb. | <u>Intrepid</u> : 0 day grazing interval, 7 day PHI for hay. One application per cutting. <u>Karate</u> : 0 day grazing restriction, 7 day PHI for hay, see label for application restrictions. |
| | Methoprene (Extinguish) | | <u>methomyl</u> : Do not cut for hay within 3 days, or graze or feed treated crop within 7 days of last application. Do not apply more than 0.9 lb ai/acre/crop. Do not make more than 4 applications per crop. |
| | spinosad (Justice) | mound treatment only | <u>methyl parathion</u> : Do not graze or cut for hay within 15 days of application. |
| | fenoxycarb (Award) | horse pastures only | <u>spinosad (Tracer)</u> : Do not harvest hay or fodder for 3 days. Do not graze until spray has dried. Do not apply more than 6 ozs. per season. <u>Voliam Express and Coragen (chlorantraniliprole)</u> : 0 day PHI for forage or grazing; 7 day PHI for hay. |

PERENNIAL GRASS INSECT CONTROL (continued)

| PEST | MATERIAL AND FORMULATION ¹ | AMOUNT PER ACRE | REMARKS AND PRECAUTIONS |
|---|--|----------------------|-------------------------|
| Flea beetles | Carbaryl (Sevin) as applied for armyworm may give helpful control. | | |
| | Karate | 1.28 to 1.92 ozs. | |
| Grasshoppers | malathion 8EC | 20 fl. ozs. | |
| | cyfluthrin (Baythroid XL) | 2.6 to 2.8 | |
| | Karate | 1.28 to 1.92 ozs. | |
| | Sevin 4L Sevin 80S | 1 qt. 1.5 lbs. | |
| | zeta-cypermethrin (Mustang Max) | 2.24 to 4.0 ozs. | |
| Green June beetle larvae | carbaryl (Sevin) 80S 50WP | 1 7/8 lbs. 3 lbs. | |
| | Voliam Express | 5.0 - 9.0 oz. | |
| Leafhoppers | Karate | 1.28 to 1.92 ozs. | |
| | zeta-cypermethrin (Mustang Ma x) | 2.24 to 4.0 ozs. | |
| Mole crickets | No economically effective materials currently labeled. | | |
| Sod webworms | carbaryl (Sevin) 80S 50WP | 1 ¼ lb. 2 lbs. | |
| | Dimilin 2L | 1-2 ozs. | |
| | Karate | 1.28 to 1.92 ozs. | |
| Spittlebug adults | carbaryl (Sevin) as applied for armyworm may give helpful control. (Control of immatures may require cut and burn approach.) | | |
| | Karate | 1.28 to 1.92 ozs. | |
| | zeta-cypermethrin (Mustang Ma x) | 2.24 to 4.0 ozs. | |
| ¹ Abbreviations used are: EC = emulsifiable concentrate, M = microencapsulated material, SP = soluble powder, L = liquid, S = sprayable powder, WP = wettable powder Numbers following liquid formulations indicate lbs. active ingredient per gallon; those following solids indicate percent active ingredient. | | | |