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Alto 100SL approved for soybean rust

Daren S. Mueller

Iowa State University, dsmuelle@iastate.edu

Chuck Eckermann

Iowa Department of Agriculture, chuck.eckermann@iowaagriculture.gov

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Alto 100SL approved for soybean rust

Abstract

The fungicide Alto 100SL (cyproconazole), manufactured by Syngenta Crop Protection, Inc., has been approved as a Section 18 fungicide in Iowa, effective on April 19, 2006. The exemption will expire on April 19, 2009. Alto 100SL is a systemic, triazole fungicide with early infection and protectant activity. It has post-infection activity that can stop pathogen establishment in the early phases of disease development. Alto 100SL also can stop sporulation, reduce inoculum production, and slow disease progress.

Keywords

Plant Pathology

Disciplines

Agricultural Science | Agriculture | Plant Pathology

Several insecticides are labeled for black cutworms in corn. Several years ago, research showed that after application, rotary hoeing in dry soils increases the effectiveness of Lorsban[®], but that the pyrethroids (such as Ambush[®], Pounce[®], or Warrior[®]) should not be incorporated.

Marlin E. Rice is a professor of entomology with extension and research responsibilities in field and forage crops. Rich Pope is an extension program specialist in entomology with responsibilities in integrated pest management.

Insecticides labeled for black cutworms in corn

Insecticide	Rate
Ambush	6.4–12.8 oz/acre
Asana XL	5.8–9.6 oz/acre
Baythroid 2	0.8–1.6 oz/acre
Capture 2EC	2.1–6.4 oz/acre
Discipline 2EC	2.1–6.4 oz/acre
Lorsban 4E	1–2 pt/acre
Mustang Max	1.28–2.8 oz/acre
Nufos 4E	1–2 pt/acre
Penncap-M	4 pt/acre
Pounce 3.2EC	4–8 oz/acre
Sevin XLR Plus	2 qt/acre
Warrior	1.92–3.2 oz/acre



Plant Diseases

Alto 100SL approved for soybean rust

by Daren Mueller, Department of Plant Pathology, and
Chuck Eckermann, Iowa Department of Agriculture and Land Stewardship

The fungicide Alto 100SL (cyproconazole), manufactured by Syngenta Crop Protection, Inc., has been approved as a Section 18 fungicide in Iowa, effective on April 19, 2006. The exemption will expire on April 19, 2009. Alto 100SL is a systemic, triazole fungicide with early infection and protectant activity. It has post-infection activity that can stop pathogen establishment in the early phases of disease development. Alto 100SL also can stop sporulation, reduce inoculum production, and slow disease progress.

All applicable directions, restrictions, and precautions on Alto must be followed. Listed are some restrictions for Alto 100SL.

- Apply 2.75 to 4 fluid ounces active ingredient (a.i.) per acre. The lower use rate of 2.75 oz is for V-stage infections only. Use 4 oz of product for sprays at the R stages of development.
- A maximum of two aerial or ground applications may be made.
- A second application can be made 14 to 21 days after first application.
- A restricted entry interval (REI) of 12 hours must be observed.
- There is a 30-day preharvest interval.

- Wheat and corn may be planted 180 days after the last application of Alto 100SL. Planting of other crops within 365 days after the last application is prohibited.

- The use of soybean forage and hay treated with Alto 100SL is prohibited.

- Treatments under this Section 18 program may be made to soybean to control soybean rust.

- A maximum of 7.4 million acres of soybean may be treated in Iowa.

- Applicators must wear protective (chemical-resistant) gloves.

- Any unused, unregistered product must either be returned to the manufacturer or distributor (unopened containers) or disposed of in accordance with Resource Conservation and Recovery Act regulations following the expiration of this quarantine exemption.

Daren Mueller is an extension plant pathologist with the Iowa State University Corn and Soybean Initiative and the Pest Management and the Environment Program. Chuck Eckermann is bureau chief of the pesticide bureau at the Iowa Department of Agriculture and Land Stewardship.