

## REVOLVER™ HERBICIDE Q&A

### 1. What is Revolver?

A newly registered sulfonylurea herbicide, Revolver contains the active ingredient foramsulfuron. The product selectively removes unwanted cool-season grasses from warm-season grasses. Revolver effectively controls grasses such as *Poa annua*, *Poa trivialis*, perennial ryegrass, bentgrass, bluegrass and tall fescue. Registered for use on tolerant warm-season grasses such as bermudagrass and zoysiagrass, Revolver also controls goosegrass and henbit, and provides suppression of centipedegrass.

### 2. How does Revolver work?

Revolver is a member of the sulfonylurea family of chemicals. After application, Revolver is readily absorbed by the foliage and translocated to the site-of-action in the growing points of the plant. The chemical inhibits the enzyme acetolactate synthase (ALS), which is critical in a plant's production of three key amino acids. It stops cell division and growth within hours of application. The first symptom is chlorosis – or yellowing of leaves, followed by death of the plant.

### 3. What rates should I use for applying Revolver?

Revolver is labeled for application at 0.1 to 0.6 ounce per 1,000 square feet. Use the higher rates for control of goosegrass and other hard-to-control species. In most cases, rates of 0.2 to 0.4 ounce per 1,000 square feet are recommended for control of ryegrass, tall fescue, *Poa annua*, and *Poa trivialis*.

#### **4. When can I use Revolver?**

**Turf managers can use Revolver anytime the temperature is warm enough. If using Revolver as a transition aid, applications are made in the spring. When using it to remove undesirable grasses in actively growing bermudagrass or zoysiagrass, Revolver can be applied anytime the weeds are present. Two or more applications of Revolver six to eight days apart may be needed to control goosegrass.**

#### **5. Why should I use a chemical transition aid instead of just waiting for the weather to warm up?**

**In situations where golf course superintendents and other turfgrass managers overseed bermudagrass and zoysiagrass with perennial ryegrass, the ryegrass doesn't just disappear when the temperatures warm up. In fact, it tends to hang on into the early summer, competing with the desirable grass when it comes out of dormancy. Use of a chemical transition aid, such as Revolver<sup>®</sup> herbicide, completely removes ryegrass, allowing the desirable grass to flourish. Not only is ryegrass efficiently and completely removed, turf quality is improved for the remainder of the summer.**

#### **6. How fast does Revolver work?**

**Speed of removal depends on air temperature. Warmer temperatures lead to faster removal. At temperatures of 70 degrees F. and higher, removal of undesirable cool-season grasses can take place in one week or less. If temperatures are 60 degrees F. or lower, removal could take two to three weeks or longer. Turf managers are best advised to use Revolver as a transition aid when warm-season grasses are strongly coming out of dormancy. This timing could vary from early March in South Florida to late May in the Carolinas. On the other hand, turf managers can use Revolver to remove volunteer ryegrass – or clumpy rye – whenever the desirable grass is actively growing. It is not advisable to use Revolver during cold periods during the winter.**

**7. Can I use Revolver on greens?**

**Yes, Revolver may be used to remove *Poa trivialis*, *Poa annua*, goosegrass, ryegrass or bentgrass from bermudagrass greens, tees, collars and approaches surrounding bermudagrass greens. Whereas other products used for removing goosegrass specify they may not be used on greens, Revolver is labeled for this use. Do not use more than 0.4 fl. oz. per 1,000 sq. ft. per application. Certain bermudagrass species are less tolerant to Revolver. They include: Champion, GN-1, Miniverde, and MS Supreme.**

**8. Does Revolver move or track?**

**Generally, Revolver does not move or track when used according to label directions. Revolver must dry on the treated area before irrigation or rainfall occurs to avoid natural movement of the product or tracking by equipment or foot traffic. The label specifies users should not use Revolver on warm-season turfgrass collars surrounding bentgrass greens.**

**9. How is Revolver formulated and packaged?**

**Revolver is formulated as a 2.25 percent SC liquid, containing 0.19 lb. Active ingredient per gallon. The product is packaged in a convenient, one-quart container, with four containers per case.**

**10. Where can I get more information about Revolver?**

**For more information about Revolver and its uses, call your local Bayer ES sales representative, or dial Bayer ES directly at 800-331-2867. Or visit the Bayer webpage at: [www.BayerProCentral.com](http://www.BayerProCentral.com).**

**###**