Post-Emergent Weed Control On and Around Golf Courses

Syngenta Professional Products offers four post-emergent herbicides to help manage weeds on and around your golf course. Reward® Landscape and Aquatic herbicide is a very fast-acting, non-selective, contact herbicide containing the active ingredient diquat dibromide. Recently registered Touchdown® PRO is a unique new diammonium salt formulation of glyphosate that complements the Syngenta post-emergent herbicide line with non-selective, systemic weed control. Fusilade® II turf & ornamental herbicide selectively controls grassy weeds in over-the-top applications on many broadleaf ornamentals. It may also be used for selective control of bermudagrass in zoysiagrass at rates of 2 to 5 oz/A depending on the time of year. The active ingredient in Fusilade II is fluazifop-P-butyl. Princep® Liquid herbicide contains the active ingredient simazine for annual weed control in turf and ornamentals.

Reward may be used for non-selective spot spraying, for winter annual weed control in dormant turfgrasses, turfgrass renovation, and aquatic weed control. Reward requires the addition of a non-ionic surfactant at labeled rates, except for submersed aquatic weed control.

Touchdown PRO can be used virtually anywhere that Roundup Pro® is used. It has the same mode of activity as other glyphosate products but with a different, diammonium salt, and a different adjuvant delivery system to maximize efficacy. Touchdown PRO offers systemic non-selective control of all actively growing weeds. It is labeled for general non-selective weed control, on dormant turfgrass for winter annual weed control and turfgrass renovation.

Fusilade II may also be mixed with Reward for extended burn-down of turfgrasses in trim and edging applications or with Touchdown PRO for better bermudagrass control/eradication. The strength of Fusilade II is its control of perennial grasses including bermudagrass. Fusilade II requires the addition of a non-ionic surfactant.

Use Strategies

I. Non-selective weed control in sensitive areas: Under valuable ornamentals, near desirable turfgrasses for outlining bunkers, overseed, and ornamental beds and around cart paths or other fixed structures.
   - Reward is a contact, non-systemic herbicide. It is not volatile, will not move with rainfall, will not leach, and has no seeding restrictions (i.e., no soil activity).
     - Mix with a pre-emergent herbicide such as Barricade® 65WG herbicide for burn-down and pre-emergent weed control.
     - Mix with Fusilade II or Touchdown PRO for extended burn-down as a trim and edging application.
   - For spot spraying, use 0.5 fl oz to 0.75 fl oz Reward + 0.75 fl oz Fusilade II/gal + 0.25% v/v non-ionic surfactant OR + 2–3 fl oz of Touchdown PRO/gal of water. The addition of surfactant at 0.3 fl oz/gal may improve results.

II. Fusilade II: Use over-the-top of labeled ornamental plants for grassy weed control.
   - Controls a wide range of troublesome weeds such as common bermudagrass, torpedograss, signalgrass, foxtail, quackgrass and others at rates of 0.75 fl oz/gal of water + 0.25% v/v of a non-ionic surfactant.
II. Turfgrass renovation

- Reward acts as a fast burn-down or desiccant material prior to renovation. It has no seeding or sodding restrictions.
  - Use at rates of 1–2 pints/A + the labeled rate of a non-ionic surfactant at water volumes of 20 to 100 gals/A.
  - For quicker activity coupled with residual control, mix 2 pints Touchdown PRO with 1 pint Reward/A. Higher water volumes (≥40 gals/A) and the addition of a surfactant may improve results.
- Touchdown PRO herbicide for total weed control with no soil residual activity. Delay disturbing soil or sprayed area for 7 days after application to allow translocation to underground plant parts.
  - Use at rates of 0.5–4 pts/A in 10–40 gals water/A.
  - May be mixed with Fusilade II for bermudagrass renovation/eradication at rates of 2 qts Touchdown PRO + 16–24 fl oz Fusilade II/A. There may be some soil residual activity with Fusilade II, so the maximum seeding restriction is 30 days after application for bare ground applications, and 14 days following sprays to vegetation. A second application 60 days later may be required. Allow at least 7 days and use 0.5 inches irrigation prior to disturbing soil or sprayed area.

III. Post-emergent Poa annua and winter annual weed control in dormant bermudagrass

- Touchdown PRO: For dormant turfgrass applications use 0.5–4 pt/A.
  - Addition of a non-ionic surfactant to Touchdown PRO for heavy Poa annua infestations may improve control, especially at water volumes exceeding 30 gal/A.
  - To obtain control of existing weeds with residual pre-emergent Poa annua and annual weed control, mix with Princep at 1 qt/A for late fall/early winter applications (late October, for example, date may change depending on locality).
- Reward: For partial-total dormant bermudagrass and zoysiagrass applications (generally late winter to early spring clean-up applications prior to total spring green-up), use 1–2 pints/A + labeled rate of a non-ionic surfactant in 20–100 gals water/A. Additional applications may be needed if applied well in advance of spring green-up.
  - Mix with Princep at 1 qt/A for late fall/early winter applications to control existing weeds with residual pre-emergent control.

Call 1-800-395-8873 to contact your local Syngenta turf and ornamental sales representative and learn more about Barricade, Fusilade II, Princep Liquid, Reward, and Touchdown PRO.

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