**TURFGRASS (FINE FESCUE)**

General Information

**USE INFORMATION**

**WHERE TO USE**

Resolute 4FL is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- container, field-grown, and landscape ornamentals
- established perennial and wildflower plantings
- Christmas tree farms

**HOW RESOLUTE 4FL WORKS**

Resolute 4FL controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when Resolute 4FL is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

**USE PRECAUTIONS AND RESTRICTIONS**

1. Do not graze or feed livestock forage cut from areas treated with Resolute 4FL.

2. Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank-mix partners.

3. Do not blend Resolute 4FL onto dry fertilizer or any other granular material.

4. Chemigation: Do not apply this product through any type of irrigation system unless instructed otherwise in the label.
5. Do not apply aerially.

6. Do not apply to golf course putting greens.

APPLICATION

Apply Resolute 4FL in a minimum of 20 gal/A (0.5 gal/1,000 sq ft) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

Limitations, Restrictions, and Exceptions

ESTABLISHED TURF

Resolute 4FL is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

- Golf courses excluding putting greens
- Lawns
- Sod nurseries

The maximum amount of Resolute 4FL that may be applied per year is given for each turfgrass species in the Annual Use Rates section of the label.

For optimum weed control, Resolute 4FL should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application.

See the map below for approximate crabgrass seed germination dates.

Use Precautions - Turfgrass: Golf Courses, Lawns, and Sod Nurseries

1. Do not apply Resolute 4FL to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.

2. Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed
edges have filled in.

3. To avoid turfgrass injury do not apply Resolute 4FL to turf stressed by conditions such as drought, low fertility, or pest damage.

4. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.

5. Do not apply Resolute 4FL to golf course putting greens.

6. If you consistently mow creeping bentgrass at a height of less than 0.5 inch do not apply Resolute 4FL.

Application Timing And Rate - Turfgrass

Resolute 4FL may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made before target weeds germinate because Resolute 4FL will not control weeds that have already emerged.

The amount of Resolute 4FL to apply depends upon:

1. the length of residual weed control desired (the higher the application rate, the longer the control),

2. the turf species,

3. the maximum amount which can be applied to the turf species per calendar year.

Annual Use Rates – Turfgrass

Resolute 4FL can be applied to the turfgrass species listed in the following table. Note: Do not apply more than the highest rate listed for each species in a calendar year.

When to Apply Resolute 4FL After Overseeding Turf

Injury to desirable seedlings is likely if Resolute 4FL is applied before the secondary roots of seedlings are in the second inch of soil, not thatch plus soil. To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying Resolute 4FL.
When to Overseed After Application - All States

Resolute 4FL will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

Note: In AZ, CA, NV, and TX the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section, Poa Annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).

- Resolute 4FL may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.

Weeds Controlled

Bluegrass, Annual (Poa annua): In those areas where Poa annua is a winter annual, apply Resolute 4FL in August or September to established, non-overseeded turf before Poa annua seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of the label Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass.

Chickweed, Common, Henbit, Knotweed, Shepherdspurse: To control this weed, apply Resolute 4FL in late summer, fall, or winter before weeds germinate.

Crabgrass (Large, Smooth): Fall Applications for Spring Crabgrass Control in Cool-Season Grasses: In those areas where the ground freezes in the winter, Resolute 4FL can be applied in the fall at rates of 21-24 ozs./A after soil temperatures fall below 50°F, but before the ground freezes.

This application will control crabgrass the following spring.

Rescuegrass: Suppression only.

Goosegrass: In many areas a single application of 21-48 ozs./A of Resolute 4FL will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, weed control will be most effective by making an initial application of 21-26 ozs./A followed by a second application 60-90 days later. Note: Do not
exceed the maximum rate for the turf species listed in the Maximum Application Rates Table.

Method

**Spray**

Rates

- `field_rates 0`
- `field_rates 1`

Restricted Entry Interval

12 hours

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

**Preemergence (Weed)**