

## **NONCROPLAND AREAS - KYLINGA GREEN (SUPPRESSION ONLY), NUTSEDGE PUPLE, NUTSEDGE YELLOW**

### General Information

#### GENERAL INFORMATION

Sapphire specialty herbicide provides postemergence control of annual and perennial broadleaf weeds in established turfgrass, such as residential lawns, golf courses, sports fields, sod farms and around commercial buildings and other commercial turfgrass areas. Susceptible weeds emerged at the time of application will be controlled. A spray volume of 20 gallons per acre (gpa) or more and uniform coverage are required for optimum performance. Sapphire is rainfast within one hour after application and has soil residual herbicidal activity dependent upon weed species, soil type, soil moisture (rainfall or irrigation after application) and the rate of application.

#### General Use Precautions and Restrictions

- Do not apply Sapphire to golf course putting greens or tees
- Do not allow tank mixes of Sapphire to sit overnight
- Do not apply Sapphire directly to, or otherwise permit Sapphire to come into contact with, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious injury may occur. Do not permit spray mists containing Sapphire to drift onto desirable broadleaf plants.
- Do not collect grass clippings for use as mulch around plants
- Do not apply more than 0.5 pint of Sapphire (0.02 lb ai penoxsulam) per acre per application to perennial ryegrass and tall fescue and only if some injury can be tolerated
- Do not allow sprays of Sapphire to contact exposed suckers or exposed roots of shallow rooted trees and shrubs or injury may occur
- To minimize the potential for grass injury, additional applications should not be

made within four weeks of a previous application

- Do not apply more than 2.3 pints of Sapphire (0.09 lb ai penoxsulam) per acre per annual growing season
- Tank mix a quality nonionic surfactant with all applications of Sapphire
- Use this product strictly in accordance with the drift and runoff precautions on the label in order to minimize off-site exposure
- Chemigation: Do not apply this product through any type of irrigation System.

## APPLICATION DIRECTIONS

### Standard Volume Broadcast Application

Apply in a spray volume of 20 gpa or more (0.5 gallons or more per 1000 sq ft). Use a higher application volume when complete and uniform application must be ensured, i.e., when Sapphire is tank mixed with foliar fertilizers. If required, spray volume up to 200 gpa may be used.

### Low Volume Application

Apply in a spray volume of 5 to 20 gpa (0.08 to 0.5 gallons per 1000 sq ft). Use low pressure and application equipment capable of delivering a uniform spray droplet. To improve spray coverage, the addition of a nonionic surfactant at a rate of 1/4 to 1/2 pint per acre is suggested. Use the higher rate of surfactant for lower rates of Sapphire and lower spray volumes.

### Spot Treatments and/or Hand-Held Sprayers

Spot treatments should be applied at rates equivalent to broadcast applications.

Hand-Held Sprayers: When treating a small area, apply Sapphire with a calibrated sprayer that assures accurate, uniform spray distribution. In general, Sapphire should be mixed thoroughly with clean water and applied at 20 to 40 psi in a minimum of 1 gallon of water per 1000 sq ft.

### Rates and Timing of Application

Apply Sapphire to turfgrass at the rate of 0.5 to 1.5 pint per acre as a ground broadcast treatment or spot treatment. Calibrate application equipment prior to use

according to manufacturer's directions. Avoid skips or overlaps as poor weed control or plant injury may occur.

## Limitations, Restrictions, and Exceptions

### Directions for Use

Refer to product label for Precautions and Restrictions, Mixing Instructions and Application Directions.

### Noncropland Sites

Use Sapphire specialty herbicide for postemergence control of annual and perennial broadleaf weeds in non-cropland including: airports, tops and outer banks of irrigation ditches/canals, military lands, nonirrigation ditch banks, roadsides, unimproved rough turf, vacant lots including: restoration sites, campgrounds, parks, prairie management, trails and trailheads, recreation areas, wildlife openings and wildlife habitat and management areas. For postemergence application and control of susceptible annual and perennial broadleaf weeds, apply Sapphire with a non-ionic surfactant at 0.25% v/v.

For total vegetation control on a site where no vegetation is desired, tank mixing this product with other herbicides may be necessary depending on the weeds on the site and their stage of growth at application.

Control existing vegetation by cultivation, hand weeding, or use of a postemergence herbicide in a tank mix with Sapphire.

### Specific Use Restrictions

- Refer to Mixing Directions section for tank mixing precautions. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Do not apply more than 2.3 pints (36 fl oz) of Sapphire (0.09 lb ai penoxsulam) per acre per year.
- Do not apply more than a total of 24 fl. oz. (0.06 lb ai penoxsulam) of Sapphire per

acre in a single application.

- Do not graze livestock or feed the forage cut from areas treated with Sapphire.
- For postemergence control of susceptible annual and perennial broadleaf weeds, apply Sapphire with a non-ionic surfactant at 0.25% v/v.
- Do not make more than 2 application(s) per year.
- Retreatment Interval: 28 days

Method

[Broadcast/Foliar Ground](#)

[Spot treatment](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[Postemergence \(Weed\)](#)