

## **NON-SELECTIVE USES - ORNAMENTAL PRODUCTION FACILITIES**

### General Information

#### PRODUCT INFORMATION

Marengo G is a selective, pre-emergent alkylazine herbicide. Marengo G provides extended residual control of many annual grasses including crabgrass, goosegrass, and annual bluegrass, as well as annual sedges, and some broadleaf weeds in production nursery including in-ground and container woody plants, ornamentals, non-bearing fruit and nut trees in nurseries and ornamental production facilities (such as shadehouses, lathhouses and hoophouses), as well as hardscapes.

Marengo G controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB Inhibitor). Necrosis or yellowing may be observed if the herbicide is applied to herbaceous tissue such as leaves and green stems of susceptible plants including sensitive ornamentals. Marengo G does not control plants emerging from tubers, rhizomes, bulbs, corms, existing rootstocks, and woody vegetation.

Marengo G needs to be activated prior to weed germination for most effective control. For maximum activity against germinating weeds, Marengo G requires rainfall or irrigation prior to weed germination.

Marengo G is a highly active herbicide that provides effective weed control when applied to the soil around many woody ornamentals grown in-ground. Marengo G may also be used over-the-top of listed container-grown ornamentals with adequate precautions. Marengo G may damage sensitive plants, if granules are allowed to remain in contact with foliage. Carefully apply Marengo G in strict accordance to the label. Be sure to follow all label instructions.

#### PRODUCT USE RESTRICTIONS

- Do not exceed 200 lbs of Marengo G per acre (4.6 lbs/1000 sq ft) in a single application for ornamental applications.
- Do not exceed 400 lbs of Marengo G per acre (9.2 lbs/1000 sq ft) for all applications within a 12-month period.
- Do not contaminate water intended for irrigation and domestic use.
- Do not apply using aerial application equipment.

- Marengo G is not for sale, distribution, or use in Nassau county, or Suffolk county, New York.

#### APPLICATION INFORMATION

Apply Marengo G with clean, properly calibrated drop, rotary, hand shaker or other spreader equipment according to the manufacturer's directions. Check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control.

#### IRRIGATION AND WATERING AFTER APPLICATION

Marengo G will provide residual weed control when adequate moisture is present and the application is followed by rain or irrigation within 21 days and prior to weed seed germination. With dry soil, use 0.25 inch of irrigation water, and with soil at or greater than field capacity; reduce the amount of irrigation water. In either case, do not create conditions that cause visible run-off of irrigation water. Adequate rainfall following an application will negate the need for irrigation. For application to ornamentals over-the-top, irrigate within 1 hour to wash granules from the leaf surface and activate the product into the soil.

#### RESISTANCE MANAGEMENT

Marengo G controls weeds by inhibiting cellulose biosynthesis. Cellulose is a component in the formation of plant cell walls. Marengo G is classified as a Group 29 herbicide. No known resistance to Marengo G exists, and there are no known instances of cross-resistance between Marengo G and other classes of herbicides with other modes of action. Performance of Marengo G is not affected by the presence of biotypes resistant to glyphosate, triazines, ALS inhibitors, mitotic inhibitors, growth regulators, or herbicides with other modes of action.

Prolonged use of any herbicide with the same mode of action may lead to selection of resistant weed populations and a reduction in efficacy. Rotation of herbicides with an alternate mode of action can help prevent the development and spread of resistant weed populations. If resistance to Marengo G is suspected, use a herbicide with an alternate mode of action.

The decision to use any particular herbicide should be based on an IPM program and all cultural practices and other pesticides in use.

Limitations, Restrictions, and Exceptions

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Marengo G may be used in ornamental production facilities on floors of hoopouses, lathhouses, and shadehouses to provide bare ground and general weed control beneath benches and potted plants.

Make applications to these sites during clean up, sanitation, and preparation prior to plant production.

Apply 200lbs of Marengo G per acre (4.6 lbs/1000 sq ft) for these uses.

If weeds are present at the time of application, remove weeds or use a post emergent herbicide observing all use restrictions. Water in Marengo G after application and allow treated area to dry prior to introducing plants. In production nurseries, containers or plants can be moved onto the treated ground bed area after it has been irrigated to activate the herbicide and the treated surface is allowed to dry. Apply 200 lbs of Marengo G per acre (4.6 lbs/1000 sq ft) for these uses.

Do not apply Marengo G to areas where water is present or where water can potentially move Marengo G off the application area.

Method

[Irrigation](#)

Restricted Entry Interval

12 hours

Timings

[Preemergence \(Weed\)](#)