

67690-51

05-08-2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Laurent Mézin
SePRO Corporation
11550 North Meridian Street, Suite 600
Carmel, Indiana 46032-4565

MAY 08 2012

Subject: SP5100 Turf Growth Regulator
EPA Reg. No. 67690-51
Supplemental Label for Landscape Hedges, Ornamental Shrubs, Perennial Ground
Covers and Herbaceous Perennials
EPA Decision Number 461372

Dear Mr. Mézin:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Erin Malone by phone at (703) 347-0253 or via email at malone.erin@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Marcel Howard".

Marcel Howard
Acting Product Manager (20)
Fungicide Branch
Registration Division (7504P)

Enclosure: Supplemental Label Stamped "Accepted"

Supplemental Label



SP5100

Turf Growth Regulator

EPA Reg. No. 67690-51

This Supplemental label expires on December 31, 2013

**FOR GROWTH MANAGEMENT AND TERMINAL GROWTH SUPPRESSION OF
LANDSCAPE HEDGES, ORNAMENTAL SHRUBS, PERENNIAL GROUND COVERS AND
HERBACEOUS PERENNIALS**

Keep Out of Reach of Children

WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

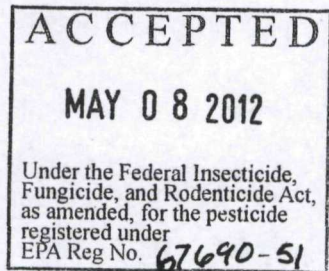
Directions for Use

ATTENTION

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for SP5100 before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of SP5100 according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for SP5100.

INFORMATION FOR GROWTH MANAGEMENT AND TERMINAL GROWTH SUPPRESSION OF LANDSCAPE HEDGES, ORNAMENTAL SHRUBS, PERENNIAL GROUND COVERS AND HERBACEOUS PERENNIALS.

SP5100 is a systemic plant growth regulator for use on landscape hedges, ornamental shrubs, perennial ground covers and herbaceous perennials. Treated plants require less trimming and exhibit a more compact growth form. Growth suppression is achieved by inhibition of gibberellin biosynthesis resulting in reduced internode elongation in terminal shoot growth. Smaller leaves and intensified greening occur in some species. SP5100 absorbed by plant roots is translocated to above-ground growing points within water conducting tissues. SP5100 movement in plants occurs in response to evaporative water loss (transpiration) from leaf surfaces.



Time required for onset of growth suppression may vary from 2 to 4 weeks for herbaceous species up to an entire growing season for certain woody plants. Time from application until onset of growth regulation depends on the rate of water loss from foliage and the rate of water movement through woody stems. In general, growth suppression will be slower to appear and of longer duration in plants with a larger mass of woody tissue. Duration of growth suppression may range from 3 to 12 months, depending upon plant species treated.

The amount of SP5100 required for optimum growth regulation is dependent upon plant characteristics (stem mass, height and foliage volume), environmental setting (exposure to sunlight, temperature conditions, rainfall/irrigation and soil texture), and species tolerance. Because of these interacting factors, plant response to a given application rate of SP5100 may vary according to local conditions. Users should establish specific applications (within the ranges specified in Table 6) for different species in small scale treatments under actual use conditions.

Activation of SP5100 requires at least 1/2 inch of rainfall or sprinkler irrigation. Periodic rainfall or irrigation is needed to maintain uniform growth regulation activity. Avoid irrigation in excess of plant requirements.

Use Precautions:

- Use SP5100 only on vigorous, well-established plantings.
- Do not use SP5100 on plants from which fruits, nuts or other commodities may be produced for human consumption or livestock feed.
- Do not apply to annual bedding plants or trees.
- Avoid application when weather conditions favor movement of spray drift from treatment area.
- Do not allow runoff to occur during initial irrigation of treated areas.
- Do not apply this product through any type of chemigation system.

Note: Nontarget plants with roots which extend into soil containing SP5100 may exhibit growth regulation.

Antidote: Gibberellin may be applied as an antidote to stimulate terminal shoot growth of over-regulated plants.

Application Timing:

Apply SP5100 as needed for shoot growth suppression of landscape hedges, ornamental shrubs, perennial ground covers and herbaceous perennials. Apply SP5100 in conjunction with pruning or trimming of target species. For best results, shape or prune plants on the day of SP5100 application or 1 to 5 days before or after application. Frequent trimming and loss of leaves encourages more rapid dissipation of growth regulator effects in treated plants.

Reapplication:

To avoid over-application of SP5100, make repeat applications only after growth regulation from the prior treatment has expired (up to 1 year is required in most plants). Reapply SP5100 only when growth regulation begins to decline from a desired level. Apply repeat treatments every 3 to 12 months.

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Application Rates – Ornamental Shrubs, Perennial Ground Covers, and Herbaceous Perennials

The amount of SP5100 required for an optimum growth regulation response is dependent upon the height and mass of woody stems, foliage volume, sunlight exposure, soil texture, rainfall and temperature conditions, and species tolerance. Cultural practices such as frequency of irrigation, fertilization and timing of application may also affect the response to SP5100 treatment. Because of these factors, plant response to a given application rate of SP5100 may vary according to local conditions. Users should establish specific application rates for different species in small scale treatments under actual use conditions. Refer to Table 1, *SP5100 Rate Directions for Established Ornamental Shrubs, Perennial Ground Covers and Herbaceous Perennials*, for rate directions.

For spot treatment applications to landscape ornamentals contained in beds less than one acre (43,560 ft²), DO NOT exceed 3 lbs ai/A/year or 295 fl oz/A/year over the entire acre containing the spot treatments.

TABLE 1	
SP5100 Rate Directions for Established Ornamental Shrubs and Hedges, Perennial Ground Covers and Herbaceous Perennials	
Landscape Ornamental¹	SP5100 (Fl oz/1,000 ft²)
Perennial Non-Woody Ground Covers and Herbaceous Perennials	1.3
	2.25
Shrubs and Hedges ³ , and Perennial Woody Ground Covers	2.25
	3.40
	4.50 ²
	5.65 ²
	6.78 ²

¹ **NOTICE TO USERS:** The amount of SP5100 required for optimum growth regulation response is dependent upon the height and mass of woody stems, foliage volume, sunlight exposure, soil texture, rainfall and temperature conditions, and species tolerance. The users should evaluate SP5100 on a small area prior to large scale applications to target landscape ornamentals

² Rates designated for spot treatments only to dripline areas of landscape ornamentals less than 20,000 ft² over the entire acre containing the spot treatments. For spot treatments do not apply to areas greater than 20,000 ft².

³ Rates designated for spot treatment to individual plants, Do not apply more than 0.5 fl oz SP5100/plant in water (35:1 water:SP5100), to more than 590 plants per acre.

Mixing and Application:

Apply SP5100 in a spray volume of at least 5 gallons per 1000 ft². Add the correct volume of SP5100 and mix thoroughly. If backpack equipment is used, shake the spray tank to ensure thorough mixing and repeat every few minutes while applying to maintain a uniform spray mixture. If power equipment is used, agitate continuously.

Apply SP5100 spray uniformly over the treatment area. Use low pressure and coarse spray to prevent drift to nontarget plants. Sprays may be applied over the top of low growing woody plants and perennial ground covers or directed at the soil beneath shrubs or hedges.

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In case of emergency endangering health or the environment involving this product, call
INFOTRAC at 1-800-535-5053.

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11550 North Meridian Street, Suite 600, Carmel, IN 46032