

SUMAGIC Plant Growth Regulator
 EPA Reg. No.: 59639-GT
 Submitted: January 16, 1991

COPY A

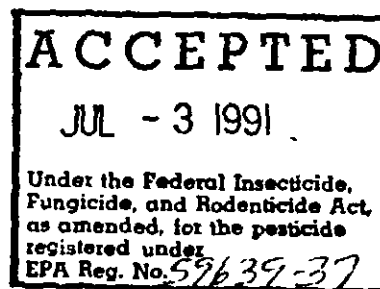
(oz./gal.)	(ml/gal.)	(ppm)
1.28 to 2.56	38 to 76	5 to 10

COPY B

(oz./gal.)	(ml/gal.)	(ppm)
0.26 to 1.52	8 to 46	1 to 6

COPY C

FOR COMMERCIAL GREENHOUSE USE ONLY.



COPY D

FOR COMMERCIAL GREENHOUSE USE AND FOR LATHHOUSE AND SHADEHOUSE USE
 (WHERE PLANTS ARE GROWN IN CONTAINERS) ONLY.

COPY E

*(E)-(+)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)-pent-1-ene-3-ol

COPY F

This product has a potential to leach into groundwater or to runoff into surface water. In Greenhouses, Lathhouses or Shadehouses with soil flooring of high porosity and low organic content, do not apply directly to soil or to plants/pots in direct contact with soil.

BEST AVAILABLE COPY

293

SUMAGIC Plant Growth Regulator
EPA Reg. No. 59639-GT
Submitted: January 16, 1991

COPY G

REENTRY STATEMENT

Do not reenter treated areas until sprays have dried.

COPY H

Wear protective clothing, long sleeved shirt, and rubber gloves. Remove contaminated clothing and wash before reuse.

BEST AVAILABLE COPY

to 6 weeks after final pinch Azalea cultivars may vary in their response to SUMAGIC. Treat a small number of plants to confirm appropriate rates for local conditions and specific cultivars.

Shorter Growing Cultivars (Gloria, Salmirini): Apply SUMAGIC as a foliar spray at 2.56 oz./gal. (76 ml/gal., 10 ppm). If a second application is necessary, apply 1.28 to 2.56 oz./gal. (38 to 76 ml/gal., 5 to 10 ppm) approximately 2 to 3 weeks after the initial application.

Taller Growing Cultivars (Pilar): Apply SUMAGIC as a foliar spray at 2.56 to 3.84 oz./gal. (76 to 114 ml/gal., 10 to 15 ppm). If a second application is necessary, apply 2.56 oz./gal. (76 ml/gal., 10 ppm) approximately 2 to 3 weeks after the initial application.

IXORA

For use in Florida only.

Apply SUMAGIC as a foliar spray at 5.12 oz./gal. (151 ml/gal., 20 ppm) 4 to 8 weeks after the final pinch as a uniform spray at a volume of 15 gals. per 100 sq. ft. of bench area. If a second application is necessary, apply 2.56 to 3.84 oz./gal. (76 to 114 ml/gal., 10 to 15 ppm) approximately 3 to 4 weeks after the initial application.

NOTE: Timing of applications will depend on cultivar, time of year, and growing conditions. Treat a small number of plants to confirm appropriate rates for local conditions and cultivars.

IMPORTANT NOTES

IMPORTANT: SUMAGIC is an extremely active plant growth regulator. Extreme caution must be exercised in measuring, diluting, and applying SUMAGIC. Excessive doses will result in severe growth retardation and possible adverse effects on flowering, plant appearance, and marketability. Avoid spray drift onto non-target species.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

Apply to well-watered, vigorously growing plants. Do not mix with pesticides, fertilizers, or adjuvants.

Do not apply SUMAGIC to any food crops.

Do not reuse soil from plants treated with SUMAGIC. It is recommended that SUMAGIC be applied during morning or late afternoon hours, or when plants are not under environmental stress.

SUMAGIC retards elongation almost immediately after application. Assessment of rate response for most species can be made within five to seven days after treatment. If desired results are not evident, reapplication or an increased rate may be warranted.

Differences in plant response to SUMAGIC due to plant surface area in relation to soil surface area are possible. Extreme temperatures can influence plant response to SUMAGIC.

Shake before using.

RATE CONVERSION TABLE

Conversion between ppm, ml/l, ml/gal., oz./gal.

PPM	ML/L	ML/GAL	FL. OZ./GAL
1	2	8	0.26
3	6	23	0.77
5	10	38	1.28
10	20	76	2.56
15	30	114	3.84
20	40	151	5.12
25	50	189	6.40
30	60	227	7.68
35	70	265	9.00
40	80	303	10.25
45	90	341	11.50
50	100	379	12.75
75	150	568	19.12

STORAGE

PROHIBITIONS: Do not store, dispose or clean in storage.

STORAGE: Keep pesticide concentrate or dilute in cool, dry place. Prolonged product may freeze. If product may freeze, it is generally to empty the product help with any spill, leak, spill, call day or night.

PESTICIDE DISPOSAL: Product may be disposed of at a disposal facility.

CONTAINER DISPOSAL: Reuse container. Offer for puncture and disposal or, if allowed by State or burned, stay out of smoke.

IMPORTANT INFORMATION

LIMITED WARRANTY: This product conforms to the reasonably fit for use under conditions with the maker nor authorizes any warranty, guarantee or return of this product. Specific **LIABILITY OR FITNESS MADE 2.** Critical and prevent it from administering the product. Such risks plants and crops to which control over the handling age caused by drift to other through the product is not the uses stated on the are followed. Buyer and and liability (except those from handling, storage, stated on the labeling are sure to the product.

OUTSIDE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Causes eye irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT: If in eyes, flush eyes immediately with fresh water for 15 minutes. If irritation continues, see a doctor. If on skin, wash with plenty of soap and water. See a doctor if irritation persists.

NOTE to Physicians: Emergency information - call 800-457-2022.

ENVIRONMENTAL HAZARDS: Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL AND PAMPHLET USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

SUMAGIC® is an effective growth retardant on a wide variety of horticulture crops. Dilute with water according to the directions below. Make foliar applications with standard spray equipment. Effective dose is strongly dependent on the application volume. Except where noted, rates expressed are based on a spray volume of 2 gals. applied uniformly to 100 sq. ft. of bench area and indicate the amount of SUMAGIC per gallon final spray solution.

Plant response to SUMAGIC is strongly influenced by cultural and environmental variables such as growing media, water/fertilizer management, temperature, light, growing house composition and other cultural practices. First time users of SUMAGIC should treat a limited number of plants at the lowest recommended rate. Subsequent adjustments may then be made according to plant response. Sequential applications of low rates may be made as necessary.

DIRECTION:

Do not apply this product through any type of irrigation system.



POINSETTIA

FOLIAR SPRAY

Growth Retardation: Apply SUMAGIC as a foliar spray when the breaks are 15 to 20 inches (about 10 to 14 days after pinching). Use rates listed below and apply uniformly at a spray volume of 2 gals. per 100 sq. ft. of bench area. Multiple applications of the lower rate may be applied as necessary. First time users of SUMAGIC should make single or sequential applications at the lowest recommended rate to determine optimum dose for specific cultivars under local conditions. Late season application (after short day initiation) may have negative effects on bract size, plant quality, and marketability.

DO NOT APPLY SUMAGIC TO POINSETTIAS AFTER THE INITIATION OF SHORT DAYS.

FLORIDA ONLY: DO NOT APPLY SUMAGIC TO POINSETTIAS AFTER OCTOBER 25.

Growing Region	Recommended Spray Concentration Rate Range
All States except Florida	0.64 to 2.56 oz./gal. (Repeat as necessary) (19" to 76 ml/gal., 2.5 to 10 ppm)
Florida	*in most locations multiple applications at this rate will be necessary. 2.56 to 3.84 oz./gal. (Repeat as necessary) (76 to 114 ml/gal., 10 to 15 ppm)