

400 110 PM25 103

A SCOOP IS ATTACHED FOR MEASURING CONVENIENCE

B-NINE® SP

CONTROLS HEIGHT,
PROMOTES FLOWERING OF PLANTS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Do not allow spray solution to touch skin. Wear protective clothing to protect hands, arms and legs, both when diluting and applying this product. Avoid breathing dusts. Wear a protective mask during mixing/loading operations. Wash hands and face thoroughly with soap and water after use or before eating or smoking.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not discharge into lakes, streams, ponds or public waters unless in accordance with NPDES permit. For guidance, contact your Regional Office of the EPA.

Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.



APPROVED
Date: 0-1-84
400-110

DIRECTIONS FOR USE

Each formulator is responsible for obtaining EPA registrations for its formulated product(s). It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

REENTRY STATEMENT

Do not reenter treated areas until 24 hours after application, unless wearing protective clothing.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE — Store in a dry location. Use spray and stock solutions within 24 hours. Do not store solutions. Immediate use is appropriate, if another component is added to spray mixture.

PESTICIDE DISPOSAL — Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Paper: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

COMPOSITION

Active Ingredient: (% by weight)	
Daminozide[butanedioic acid mono (2,2-dimethylhydrazide)]*	85.0
Inert Ingredients:	15.0
TOTAL:	100.0

*U.S. Patents 3,240,799 - 3,334,991

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg white or gelatin solution; if not available drink large amounts of water. Avoid alcohol. Call a physician immediately.
IF ON EYES OR SKIN: Wash with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before use.
IF INHALED: and abnormal symptoms develop see a physician.
SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT.

Mfg. by UNIROYAL CHEMICAL — Division of UNIROYAL, Inc.
Naugatuck, Connecticut 06770
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9-19-84

Lot. No.

NOT FOR REFORMULATION

NET CONTENTS:

APPLICATION NOTES

1. Do not add additional wetting agent or mix with insecticides or fungicides as burning of leaves may result.
2. Best results are obtained if plants are watered before spraying. Foliage should be dry when spray is applied. Wilted plants do not readily absorb B-NINE SP and poor results might be obtained if wilted plants are sprayed. Do not syringe for 18 to 24 hours after spraying to allow the chemical to enter the plant.
3. Do not handle treated plants until sprays have dried
4. To measure B-NINE SP, use the large end of the scoop provided.

B-NINE - SP DILUTION TABLE

% B-NINE SP DESIRED	LEVEL SCOOPS PER GALLONS** OF SOLUTION		WEIGHT MEASURE FOR ONE (1) GALLON OF SOLUTION	
	Scoops	Gallons	Ounces (avoirdupois)	Grams
0.15	1	1	0.24	6.7
0.25	2	1	0.40	11.1
0.37	3	1	0.60	16.7
0.50	4	1	0.80	22.3
0.75	6	1	1.20	33.4
1.00	8	1	1.60	44.5

**Approximate dosage only Use weight measurements wherever possible.

NOTE: Stock solutions prepared from B-NINE SP should not be held for more than 24 hours

Place the amount of B-NINE SP shown into an empty one-gallon container. Then add enough warm water with stirring to make one gallon of solution. As B-NINE SP is soluble in water, no additional mixing is required.

GENERAL INFORMATION

B-NINE SP is dissolved in warm water then sprayed on the plant foliage using standard spray equipment. B-NINE SP passes into the leaf, then moves within the plant to reduce stem elongation. Treated plants develop a shorter, more compact habit of growth when compared to untreated plants. (See dilution table for converting percent concentration to dosage of B-NINE SP per gallon.)

DIRECTIONS FOR USE

Pot Chrysanthemums

To produce compact potted, branched (pinched) plants, spray to runoff 2 weeks after pinching with a 0.25% solution of B-NINE SP.

If additional retardation is desired, a second application of 0.25% B-NINE SP may be applied 3 weeks after the first application. It is suggested that a "MEDIUM" schedule calling for shading and pinching on the same day be used for "TALL" varieties. This will eliminate the open, relatively leafless appearance often associated with the use of delayed pinch schedules.

Cut Chrysanthemums

To retard neck stretching just below the flower on potted and cut flowers, spray the top 1/3 of the foliage to runoff with 0.25% B-NINE SP two days after disbudding.

Azaleas - Greenhouse Plants

To promote development of additional buds on plants grown for forcing, spray when new growth following final shaping is 1-2 inches with either:

1. Two applications of 0.15% B-NINE SP at one-week intervals
2. One application of 0.25% solution of B-NINE SP.

Azaleas - Nursery Plants

To produce compact plants for landscape use, spray the foliage to runoff with a 0.37% solution of B-NINE SP during the fourth week in July. The final shaping of the plants should be done by early July to permit adequate regrowth prior to spraying.

Hydrangeas - Summer Growth

For those greenhouse varieties that produce excessive growth during the summer following pinching, spray to runoff with a 0.75% solution of B-NINE SP when the regrowths are 1-2 inches in length, usually in late July, but not after the first week in August.

Hydrangeas - Spring Growth

To retard spring forcing growth, spray with a 0.5% solution of B-NINE SP when the new growth has just started to unfold and four to five pairs of leaves are visible. Apply 2-4 weeks after the start of forcing but not later than this time.

Bedding Plants

Excessive stem elongation of petunias, marigolds, zinnias, asters, cosmos and salvia is prevented by a B-NINE SP spray made 2-3 weeks after transplanting, or when the plants begin to elongate (stretch). Use a 0.5% concentration sprayed to the drip point
TO REDUCE LEAF INJURY OF PETUNIAS CAUSED BY AIR POLLUTANT, OZONE AND SULFUR DIOXIDE make a second application of 0.5% B-NINE SP one week after the first. B-NINE SP will not protect against leaf damage caused by the air pollutant PAN. Growth retardation will be more pronounced and there will be a delay in flowering from the second B-NINE SP application. Plants sprayed for pollution protection will be no shorter than those sprayed for compact growth

POINSETTIAS

B-NINE SP reduces the elongation (stretching of poinsettias). The following table is for pinched plants:

Pinch Date		Aug 15	Sept 1	Sept 15
B-NINE SP Concentration		0.75%	0.5%	0.75%
No. of applications		2	2	1
The first application should be made when the new growth is 3-4 inches long. The second application, if suggested, should be made 2 weeks after the first application. The following table is for single stem plants				
Propagation date	Aug 1	Aug 15	Sept 1	Sept 15
First spray date	Sept 1	Sept 15	Oct 1	Oct 15
Concentration	0.75%	0.75%	0.5%	0.75%
Second spray date	Sept 21	Oct 1	Oct 15	None
Concentration	0.75%	0.5%	0.5%	—

The first application dates suggested are about one to two weeks after rooting. It is assumed that three weeks are required for rooting. Local conditions may require changing these suggested dates. But in all cases the first application should be made one to two weeks after rooting.

Gardenias

To produce compact plants for spring bloom, spray with 0.5% B-NINE SP when plants are about 2/3 of final marketing size. This is from mid-August to mid-September for the Florida area and during the first two weeks of December for other areas.

TOMATO TRANSPLANTS

(Do not use in California)

To retard stem elongation, delay early fruiting and aid in concentrating maturity: Apply one or two foliar sprays of B-NINE SP. For field grown transplants use 5 pounds per 100 gallons of water. For greenhouse grown transplants use 2½ pounds per 100 gallons of water. Apply as complete coverage to runoff using 25 to 50 gallons of spray per acre (0.625 to 2.5 pounds of B-NINE SP per acre). The first spray should be applied when the plants are in the one to four true leaf stage. If two sprays are used, apply the second spray two weeks after the first. Do not apply B-NINE SP after transplanting.

IMPORTANT NOTICE — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.