

# **B-Nine® WSG**

## **Plant Growth Regulator**

### **Water Soluble Granule**

Controls Height, Promotes Flowering of Plants

A Plant Growth Regulator for Chrysanthemums, Azaleas, Bedding Plants,  
Poinsettias and Hydrangeas

#### **COMMERCIAL**

**GUARANTEE: Daminozide: 85%**

**REGISTRATION No: 17465  
PEST CONTROL PRODUCTS ACT**

**WARNING – EYE IRRITANT**

**READ THE LABEL BEFORE USING**

**Net Contents:  
500 grams, 50 kg**

Arysta Lide Science Canada Inc.  
400 Michener Road, Unit 2  
Guelph, ON N1K 1E4

24 Hour Emergency Phone:  
1-866-744-3060

**GENERAL INFORMATION:**

B-Nine WSG Plant Growth Regulator is for use on container grown ornamental plants. B-Nine WSG Plant Growth Regulator passes into the leaf, then moves within the plant to the growing points to reduce internode elongation. Treated plants develop a shorter, more compact growth habit when compared to untreated plants (see dilution table for converting percent concentration to dosage of B-Nine WSG Plant Growth Regulator per litre).

B-Nine WSG Plant Growth Regulator Dilution Table

Concentration of B-Nine WSG Plant Growth Regulator desired		Grams Product per 1 Litre water	Grams Product per 100 liters water
%	ppm		
0.15	1500	1.8	180
0.25	2500	3	300
0.375	3750	4.5	450
0.5	5000	6	600
0.75	7500	9	900
1.0	10000	12	1200

Place the amount of B-Nine WSG Plant Growth Regulator shown into the spray tank. Then add the amount of water to make the desired concentration. Allow 3-5 minutes for B-Nine WSG Plant Growth Regulator to dissolve in water, stirring occasionally. Once the B-Nine WSG Plant Growth Regulator has dissolved in water, no additional agitation is required. Solutions prepared from B-Nine WSG Plant Growth Regulator should not be held for more than 24 hours. Be sure to seal the unused portion of B-Nine WSG Plant Growth Regulator in its original container as high humidity and moisture will cause it to harden.

**APPLICATION NOTES:**

The recommended application volume is 1 Litre per 5 square meters of area. This will provide coverage of the foliage just to the point of runoff.

Plants should be well watered prior to application of B-Nine WSG Plant Growth Regulator. Wilted plants do not readily absorb B-Nine WSG Plant Growth Regulator and poor results may occur. The plant foliage should be dry when sprays are applied. Do not syringe or overspray the foliage for 18 to 24 hours after applying B-Nine WSG Plant Growth Regulator to allow the chemical to enter the plant.

**DIRECTIONS FOR USE:**

**Pot Chrysanthemums:** To produce compact, branched (pinched) plants, spray to run-off 2 weeks after pinching with a 0.25% (2500 ppm) of B-Nine WSG Plant Growth Regulator. For very sensitive varieties apply when desired plant height is reached.

If additional retardation is desired, a second application of 0.25% (2500 ppm) B-Nine WSG Plant Growth Regulator may be applied at three weeks after the first application. It is suggested that a 'MEDIUM' schedule calling for shading and pinching be used on the same day for 'TALL' varieties. This will eliminate the open, relatively leafless appearance often associated with the use of delayed pinch schedules.

To produce compact potted single stemmed plants, spray to run-off two weeks after planting with a 0.5% (5000 ppm) solution of B-Nine WSG Plant Growth Regulator.

**Cut Chrysanthemums:** To retard neck stretching just below the flower on potted and cut flowers, spray the top 1/3 of the foliage to run-off with 0.25% (2500 ppm) B-Nine WSG Plant Growth Regulator 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 2-5 cm. Apply either one application of 0.25% (2500 ppm) B-Nine WSG Plant Growth Regulator or, two applications of 0.15% (1500 ppm) B-Nine WSG Plant Growth Regulator at one week intervals.

**Hydrangeas – Spring Growth:** To retard spring forcing growth, spray with a 0.5% (5000 ppm) solution of B-Nine WSG Plant Growth Regulator when the new growth has just started to unfold and four to five pairs of leaves are visible. Apply 2-4 weeks after 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 WSG Plant Growth Regulator spray made when 4-5 cm of new growth has developed after transplanting or pinching (approximately 2-3 weeks) or when the plants begin to elongate (stretch). Use a 0.5% (5000 ppm) solution sprayed to the drip point.

**Poinsettias:** B-Nine WSG Plant Growth Regulator reduces the elongation (stretching of poinsettias). The following table is for pinched plants.

Pinch Date	Aug.15	Sept.1	Sept.15
B-Nine WSG concentration	0.75%	0.5%	0.75%
No. of applications	2	2	1

The first application should be made when the new growth is 7-10 cm long. The second application, if suggested, should be made two 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 first application should be made one to two weeks after rooting.

Seasonably late applications will reduce plant height, but may also reduce bract size and delay flowering. For growers scheduling early December flowering, applications should not be made after initiation of short days.

**PRECAUTIONS:**

1. KEEP OUT OF REACH OF CHILDREN.
2. Causes moderate eye irritation. Avoid contact with eyes or clothing.
3. Do NOT contaminate food or feed products.
4. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
5. Users should remove clothing immediately if pesticide comes into contact with skin through soaked clothing or spills. Then wash thoroughly and put on clean clothing.

6. If pesticide is spilled on work clothing remove **IMMEDIATELY**. Wash thoroughly and put on clean clothing.
7. Work clothing should be washed with detergent and hot water. Wash work clothing separately from other laundry.
8. Wear chemical resistant coveralls over long sleeve shirt and long pants, chemical resistant gloves, socks and chemical resistant footwear during mixing, loading, application, clean up or repair activities. In addition, wear a chemical resistant apron for mixing, loading and cleaning equipment. Wear chemical resistant headgear, a face shield and a dust/mist-filtering respirator (MSHA/NIOSH approval number prefix TC-21C) in addition to the personal protective equipment indicated above for overhead application.
9. Do not enter or allow worker entry into treated areas within 24 hours of application.
10. For use only in commercial or research greenhouses or shade houses.
11. Do not tank mix B-Nine WSG Plant Growth Regulator with copper containing products and do not apply B-Nine WSG Plant Growth Regulator within 7 days either before or after application of such products, as burning of leaves may result.
12. Do not add additional wetting agent or mix with insecticides, fungicides or foliar fertilizers, as burning of leaves may result.

#### **ENVIRONMENTAL HAZARDS:**

Do not contaminate water when disposing of equipment washwater or rinsate. Do not allow discharge from the greenhouse to contaminate aquatic systems.

#### **FIRST AID:**

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** There is no specific antidote. Treat symptomatically.

#### **STORAGE AND DISPOSAL:**

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed.

#### **DISPOSAL:**

1. Triple or pressure rinse the empty container, add the rinsings to spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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