

# **B-Nine®: Better plants by design**

#### What is B-Nine® WSG plant growth regulator?

B-Nine® WSG plant growth regulator shortens the stature of ornamental plants by decreasing internode length.

### How does B-Nine work?

When applied to foliage, it is absorbed into the leaves and translocated to growing points where it inhibits gibberellin synthesis, resulting in a shorter and more compact plant.

#### **General use notes**

B-Nine is labeled for use on ornamental plants grown in commercial or research greenhouses, shadehouses and nurseries. It is limited to containerized plants in uncovered production areas. B-Nine is highly effective in controlling bedding plant plug and liner height.

#### **Application guidelines**

- + Rates range from 1,000-7,500 ppm. Refer to the product label for specific rates for specific crops.
- + Direct sprays at the leaves and stems just to the point of runoff. Application volume should be 1 gallon of water per 200 square feet of coverage.
- + Applications of B-Nine to substrates are ineffective due to the active ingredient being tied up by organic matter and unable to be translocated into the plant.
- + For optimal results, water plants one day prior to application. Plant foliage should be dry at the time of application. Do not overhead irrigate for 24 hours after treatment.
- + Apply sprays preferably under conditions of high humidity, overcast skies, cooler temperatures and minimal air movement. Applications made during peak daytime heat may dry too quickly, reducing effectiveness.
- + Avoid tank-mixing with insecticides, wetting agents or foliar fertilizers as this may cause foliage burn.
- + Do not mix B-Nine with copper-containing products or apply it within seven days before or after the use of a copper-based compound.
- + Do not allow the prepared tank mix to set over 24 hours after mixing. Always agitate prior to application.

#### **Product attributes**

- + Applications of B-Nine produce more compact, visually appealing plants with a darker green color and improve resistance to breakage during shipping.
- + Daminozide, the active ingredient in B-Nine, has the lowest activity among PGRs, requiring relatively higher concentrations for growth regulation. This allows for greater application flexibility and a more controlled growth response.
- + B-Nine is notably safe with few documented incidences of phytotoxicity or over-stunting.
- + 12-hour reentry interval (REI).



## Plants labeled for use (but not limited to)

- + Azaleas
- Bedding plants/flowering plants +
- Plugs and liners +
- Chrysanthemums +
- Foliage plants +
- + Gardenias
- Hydrangeas +
- Poinsettias +

### Labeled use sites

- + Commercial or research greenhouses
- Shadehouses +
- Nurseries ÷

Plant host	Plug/linear rate		Plug/linear application	Finishing rate		Finishing application
Bedding plants	1,500–2,500 ppm			2,500-5,000 ppm		
	g/gal	6.75–11.1 g	Apply at first true leaf stage and every 1-2 weeks as needed. <sup>1</sup>	g/gal	11.1–23.3 g	Apply after transplant once 1-2 inches of new growth has developed, typically 7-14 days. <sup>1</sup>
	oz/gal	0.24-0.39 oz		oz/gal	0.39-0.79 oz	
	oz/100 gal	24-39 oz		oz/100 gal	39-79 oz	
Foliage plants	2,500 ppm			2,500-7,500 ppm		
	g/gal	11.1 g	Apply at the early leaf stage and every 1-2 weeks as needed.	g/gal	11.1–33.4 g	Two or more applications may be needed if new growth begins to stretch or for enhanced coloration. <sup>1</sup>
	oz/gal	0.39 oz		oz/gal	0.39–1.18 oz	
	oz/100 gal	39 oz		oz/100 gal	39–118 oz	
Perennials	1,250–2,500 ppm			2,500-5,0	000 ppm	
	g/gal	5.6–11.1 g	Apply at the early leaf stage and every 1-2 weeks as needed.	g/gal	11.1–22.3 g	Apply after transplant once 1-2 inches of new growth has developed, typically 7-14 days. <sup>1</sup>
	oz/gal	0.2-0.39 oz		oz/gal	0.39-0.79 oz	
	oz/100 gal	20-39 oz		oz/100 gal	39–79 oz	
Azaleas				2,500 ppm		
				g/gal	11.1 g	Apply every 2 weeks as needed to newly expanded growth after shaping.
				oz/gal	0.39 oz	
				oz/100 gal	39 oz	
Chrysanthemums	1,000 ppm			2,500-5,000 ppm		
	g/gal	4.5 g	Use as a preplant dip to rooted cuttings. Allow to dry before potting.	g/gal	11.1-22.3 g	Apply after pinching when new growth is 1 inch long, then every 2 weeks as needed up to 1 week before disbud.
	oz/gal	0.16 oz		oz/gal	0.39-0.79 oz	
	oz/100 gal	16 oz		<b>oz/100 gal</b> 39–79 oz		
Gardenias				5,000 ppm		
				g/gal	22.3 g	Apply when crop reaches <sup>2</sup> / <sub>4</sub> final size
				oz/gal	0.79 oz	
				oz/100 gal	79 oz	
Hydrangeas				Spring Forced Crop: 5,000 ppm		
				g/gal	22.3 g	
				oz/gal	0.79 oz	Bloom timing and sizing may be disrupted if applications are made
				oz/100 gal	79 oz	
				Summer Crop: up to 7,500		near bud set. Consult product label for specific application timing instructions.
				g/gal	up to 33.4 g	
				oz/gal	up to 1.18 oz	
				oz/100 gal	up to 118 oz	
Poinsettias	1,250-2,000 ppm		Apply to cuttings to reduce	2,000-3,000 ppm		
	g/gal	5.6-9 g	Apply to cuttings to reduce     g/gal     9-13.5 g     Apple       stretch and maintain green color.     oz/gal     0.32-0.48 oz     is 1-2       Overhead mist will reduce plant     oz/gal     32-48 oz     2-we	g/gal	9–13.5 g	Apply after pinching when new growth is 1-2 inches long, then as needed at 2-week intervals to control growth. <sup>2</sup>
	oz/gal	0.2–0.32 oz		oz/gal	0.32-0.48 oz	
	oz/100 gal	20-32 oz				

<sup>1</sup> Application made near flower bud formation may delay bloom response in certain crops.
<sup>2</sup> Do not apply after the beginning of short days or approximately 11 hours of maximum light.

ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS. Environmental Science U.S. LLC, 5000 CentreGreen Way, Suite 400, Cary, NC 27513. For additional product information, call toll-free 1-800-331-2867. www.envu.com. Not all products are registered in all states. B-Nine®, Envu and the Envu logo are trademarks owned by Environmental Science U.S. LLC or one of its affiliates. ©2025 Environmental Science U.S. LLC.

