

B-NINE®

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).

envu™

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**		Apply at first true leaf stage and every 1-2 weeks as needed.[1]	**2,500-5,000 ppm**		Apply after transplant once 1-2 inches of new growth has developed, typically 7-14 days.[1]
	g/gal	6.75–11.1 g		**g/gal**	11.1–23.3 g	
	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**		Apply at the early leaf stage and every 1-2 weeks as needed.	**2,500–7,500 ppm**		Two or more applications may be needed if new growth begins to stretch or for enhanced coloration.[1]
	g/gal	11.1 g		**g/gal**	11.1–33.4 g	
	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**		Apply at the early leaf stage and every 1-2 weeks as needed.	**2,500-5,000 ppm**		Apply after transplant once 1-2 inches of new growth has developed, typically 7-14 days.[1]
	g/gal	5.6–11.1 g		**g/gal**	11.1–22.3 g	
	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**		Apply every 2 weeks as needed to newly expanded growth after shaping.
				g/gal	11.1 g	
				oz/gal	0.39 oz	
				oz/100 gal	39 oz	
Chrysanthemums	**1,000 ppm**		Use as a preplant dip to rooted cuttings. Allow to dry before potting.	**2,500-5,000 ppm**		Apply after pinching when new growth is 1 inch long, then every 2 weeks as needed up to 1 week before disbud.
	g/gal	4.5 g		**g/gal**	11.1-22.3 g	
	oz/gal	0.16 oz		**oz/gal**	0.39–0.79 oz	
	oz/100 gal	16 oz		**oz/100 gal**	39–79 oz	
Gardenias				**5,000 ppm**		Apply when crop reaches ⅔ final size.
				g/gal	22.3 g	
				oz/gal	0.79 oz	
				oz/100 gal	79 oz	
Hydrangeas				**Spring Forced Crop:** 5,000 ppm		Bloom timing and sizing may be disrupted if applications are made near bud set. Consult product label for specific application timing instructions.
				g/gal	22.3 g	
				oz/gal	0.79 oz	
				oz/100 gal	79 oz	
				Summer Crop: up to 7,500		
				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 stretch and maintain green color. Overhead mist will reduce plant response to PGR.	**2,000–3,000 ppm**		Apply after pinching when new growth is 1-2 inches long, then as needed at 2-week intervals to control growth.[2]
	g/gal	5.6–9 g		**g/gal**	9–13.5 g	
	oz/gal	0.2–0.32 oz		**oz/gal**	0.32–0.48 oz	
	oz/100 gal	20–32 oz		**oz/100 gal**	32–48 oz	

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

ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS.
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