

FOR USE ON ORNAMENTALS GROWN IN COMMERCIAL OR RESEARCH GREENHOUSES, SHADEHOUSES, AND NURSERIES

Product Information Bulletin

630

GENERAL INFORMATION

Paczol is a plant growth regulator for use on ornamental plants grown in containers in nurseries, greenhouses, shadehouses and interiorscapes.

Paczol is a .4% formulation of the active ingredient paclobutrazol per gallon.

Common Name: Paclobutrazol

Class: Triazole

GROUP	1	PLANT GROWTH REGULATOR
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Packaging: 1 gallon, 4 per case

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = 12 hours

Signal Word = CAUTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

MODE OF ACTION

Paczol reduces plant internodal length resulting in a shorter and more compact plant.

Paczol works by inhibiting gibberellic acid formation.

USE SITES

Paczol may be used on ornamental plants grown in commercial greenhouses, shadehouses, nurseries, and interiorscapes.

APPLICATION AND RATES

Paczol label rates are dependant on the crop treated and the level of plant regulation desired:

Rates range from 1 to 30 ppm Drench and 5 – 100 ppm Spray. 1 ppm = 1 milliliter/gallon; 5 ppm = 4.7

milliliter/gallon; 30 ppm = 1 fluid ounce per gallon. Refer to the product label for specific rates. For optimum effects, spray should be directed to plant stems. Application volume is 2 qt./100 sq. ft. or 218 gal. per acre. CAUTION: application run-off onto the soil will increase **Paczol** activity. Drench rates compared to spray rates are about a 1:10 factor, that is, 1 ppm drench should be similar to 10 ppm sprayed.

Paczol can be applied as a drench or spray, and maybe used through subirrigation, or as a bulb soak.

The addition of wetting agents is not necessary.

Paczol is not affected by overhead irrigation provided the user waits 30 minutes after **Paczol** application.

TANK MIXING

Paczol or other plant growth regulators are not recommended to be tank mixed with pesticides due to application volume differences. Tank mixes with other PGR's are allowed and may be an effective way to increase overall plant growth control. Growers should trial a small number of plants before committing to any tank mix program(s). Evaluate growth responses for 4-8 weeks after applications.

RECOMMENDED TRIAL RATES (PPM) BY GENERAL PLANT TYPE

Plant Type	Spray	Drench	Bulb Soak
Bedding Plants	30	1	N/A
Bedding Plant Plugs	5	1/4-1/2	Plug/Liner Soak
Flowering Foliage Plants	30-50	1-5	N/A
Herbaceous	30	1	N/A
Woody Species	50	2	N/A
Woody Landscape Plants	100	4	N/A
Bulb Crops	100	10	20 (@15min)

Rates are general use recommendations. Plant varieties, growth stage, growing conditions and environmental factors will influence grower specific rates.

N/A = Use is not applicable

SPECIFIC PACZOL CROP RECOMMENDATION EXAMPLES

		Paczol Plug Soak	Paczol Spray	Paczol Drench	Comment
Bedding Plants	Petunias	4-8 PPM Soak 30 seconds	30-50 PPM	2-5 PPM	Apply after 1 week transplant
	Impatiens	1/2-1 PPM Soak 30 seconds	15 PPM	1/2 PPM*	Stage 3 germination.
	Dianthus	1-2 PPM	20 PPM	1/4-1/2 PPM	Apply a second spray at 1/2 rate if needed.
	Calibrachoa	4 PPM	15-20 PPM	2 PPM	Plug soak is very effective.
	Kale	3-4 PPM		2-3 PPM*	*Apply at 3 leaf stage.
Flowering Plants	Chrysanthemums	**	30-50 PPM	1-2 PPM	Apply to 1/2 to 1 inch long shoots.
	Poinsettia		15-30 PPM	1/2-1 PPM** 1/10 PPM***	**November late drench ***Low dose early drench apply as needed.
Perennials	Echinacea	2-4 PPM Soak 30 seconds	30-40 PPM*	4-6 PPM	*Use half rate for second application if needed.
	Argyranthemum	4 PPM	30 PPM	3-4 PPM	Plug soak is very effective.
	Salvia `lucantha	**	60 PPM	30 PPM	Apply second spray as needed.
Woody Plants	Azalea		100-150 PPM	10-15 PPM	Increased bloom response.
	Gardenia		100-150 PPM	15 PPM	Good color response.
Bulbs	Lilium oriental Casa Blanca	80 PPM Bulb soak for one minute	10-20 PPM		For height control.
	Lilium and other orientals	200-300 PPM			Variable rooting makes drench results variable.
	Lilium Asiatic		15 PPM*	20 PPM	*Apply multiple sprays 2 weeks apart as needed.
	Calla Lily	*20 PPM bulb soak		10 PPM	*Soak 15 minutes.

Growers in the North should use the lower rates and growers in the Southern states and Florida should use the higher rates. Rates are dependent upon grower location and conditions. For more specific rate recommendations visit the OHP Prescription Growth Solutions PGsX™ website at <http://pgrx.ohp.com/rates.html> for cultivar rates.

