



Technical Information Bulletin



Technical Information Bulletin

Introduction:

Configure™ is an effective growth regulator for use on ornamental crops to increase lateral branching and promote flowering in certain ornamental species. In addition, applications of **configure** may reduce the overall height of the plant resulting in more compact and marketable plants.

Mode of Action:

Configure contains 2% N-(phenylmethyl)-1H-purine-6-amine (common name: benzyladenine). Benzyladenine, also referred to as BA, is a synthetic cytokinin. Cytokinins are essential hormones for plant growth and development, and are involved in many physiological functions including the release of lateral buds from apical dominance and the promotion of cell division and differentiation from undifferentiated tissues. Applications of BA have been shown to increase branching and enhance flowering in a wide range of herbaceous and woody plants, improving crop marketability.

Chemical and Physical Characteristics:

Common Name: Benzyladenine

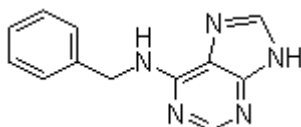
Synonyms: N-Benzyl-adenine; 6 benzylaminopurine; N-Phenylmethyl 1H-purin-6-amine; Benzyl (purin-6-yl) amine; 6-BA; BA

Chemical Class: Purine

Molecular Weight: 225.25

Molecular Formula: C₁₂H₁₁N₅

Chemical Structure:



Product Information:

Trade Name: Configure™
Product: A solution of 2% 6-benzylaminopurine (6-BA)
CAS No: 1214-39-7
EPA Reg. No: 62097-19-82917
Concentration: 21 grams technical AI

Configure increases lateral branching and promotes flowering in various ornamental plants. In addition, applications of **configure** may reduce the overall height of the plant resulting in more compact and marketable plants.

Configure has been approved by the US EPA for use on certain containerized ornamental crops which are grown in commercial greenhouses, glasshouses (where plants are grown in containers), and on actively growing stock plants during the propagation of Plantain Lily (*hosta* spp.).

General Use Information:

Plant response to **Configure** is strongly influenced by cultural and environmental variables. Growing media, water/fertilizer management, temperature, light, greenhouse composition, and other cultural practices impact plant response. Plant cultivar or variety can also influence treatment response. Although multiple cultivars have been tested for sensitivity to **Configure** and have demonstrated high levels of tolerance, it is impossible to insure an acceptable response in all cultivars. **First time users of Configure should first conduct trials on a limited number of plants to determine crop response.**

Configure is registered for use on:

- *Christmas Cactus (Schlumbergera spp.)* to both promote vegetative branching and increase the number of flower buds under reproductive conditions;
- *Plantain Lily (Hosta spp.)* to promote lateral growth of finished plants by inducing the outgrowth of axillary and rhizomic buds, and to increase offsets during propagation; and
- *Purple Coneflower (Echinacea spp.)* to increase the number of branches.

Application Information:

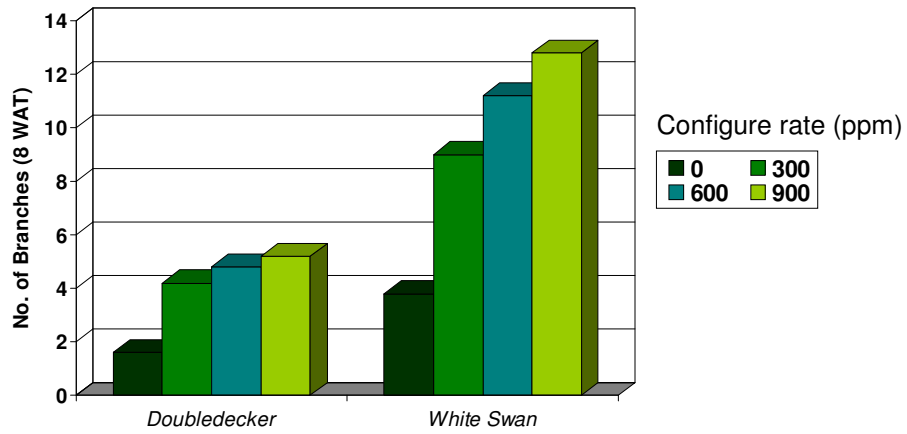
Apply **configure** as a foliar spray using standard foliar application spray equipment. Make sure that sufficient volumes are used to thoroughly wet foliage. Spray uniformity is equally important. **Uniformly apply 1-2 quarts of finished spray solution to 100 sq. ft. of area.** A high quality wetting agent or spray adjuvant, approved for use on your crop, may be added to spray solutions according to the manufacturers use instructions.

Recommended Use Rates:

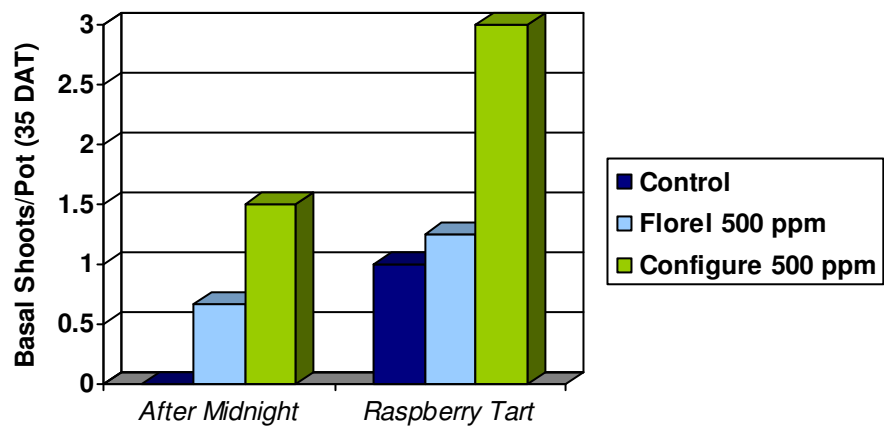
Plant Type	Spray Solution Concentration (PPM)
Holiday Cactus (<i>Schlumbergera spp.</i>)	100 to 200
Plantain Lily (<i>Hosta spp.</i>)	1000 to 3000
Purple Coneflower (<i>Echinacea spp.</i>)	300 to 900

Field Trial Results:

Purple Coneflower (*Echinacea* spp.):



Virginia Cooperative Extension; 2006
Means followed by same letter do not significantly differ ($P < 0.05$)



P. Pilon, Perennial Solutions Consulting; Spring 2007



0 ppm



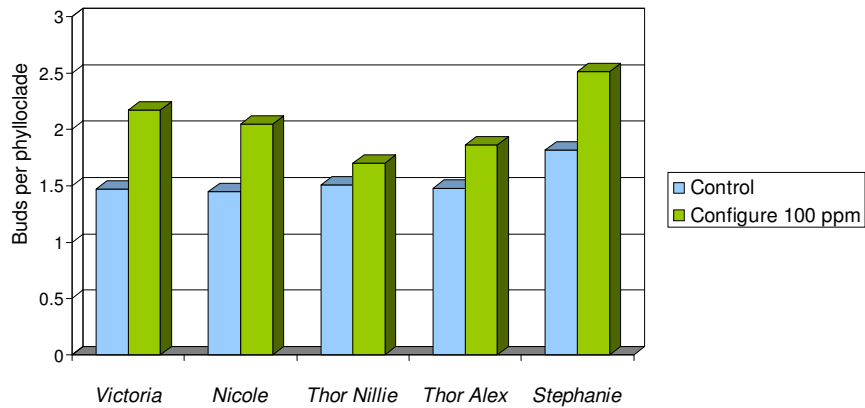
900 ppm

Testing of Configure on Echinacea demonstrates increased branching

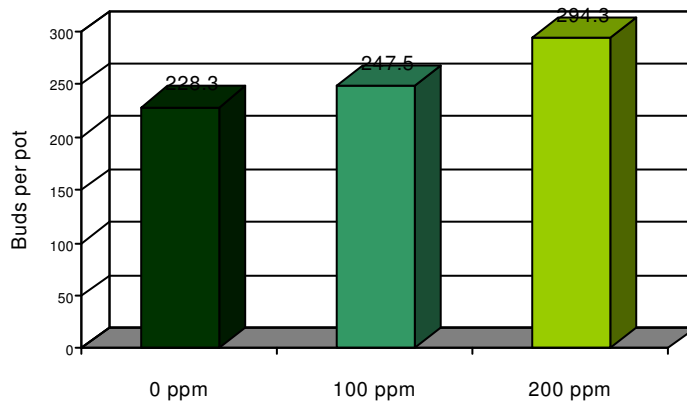
Virginia Cooperative Extension; 2006

Field Trial Results (continued):

Christmas Cactus (*Schlumbergera* spp.)

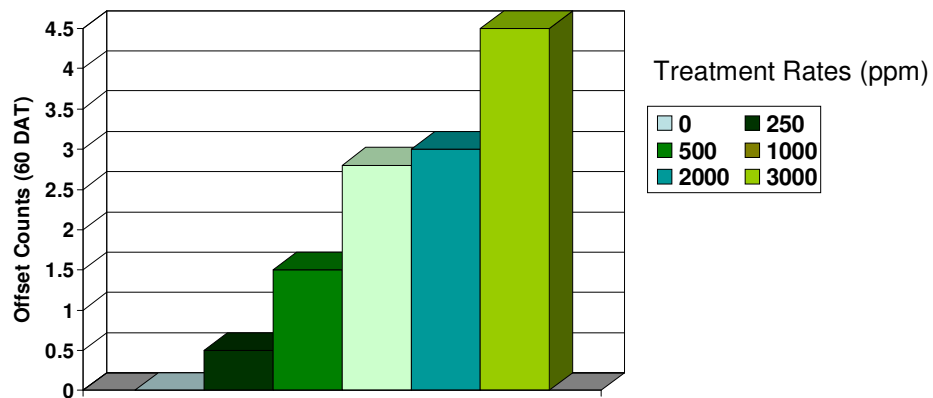


North Carolina State University; 2006



Cultivar: *Nicholas*
North Carolina State University; 2006

Plantain Lily (*Hosta* spp.)



Configure is a trademark of Fine Agrochemicals Ltd.