PLANT GROWTH REGULATOR

Bonzi®

A suspension concentrate containing 4 g/litre (0.39% w/w) paclobutrazol

A growth regulator for container and pot grown ornamentals

Product registration number: MAPP 13623

Regulates vegetative growth and produces more sturdy, compact plants.

Can enhance flowering, shelf life and colour.

Label recommendations for use on:

Excellent root activity.

Recommendations include both foliar sprays and compost drenches.
Bonzi

- Produces more uniform, compact and sturdier plants.
- Enhances flowering and colour of both flowers and foliage.
- For use on a range of pot and bedding plants as well as certain bulbs.

The following text is taken from the approved product label:

**DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

<table>
<thead>
<tr>
<th>RESTRICTIONS</th>
<th>PROPERTIES OF BONZI</th>
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<tbody>
<tr>
<td>1. Do not mix BONZI with other spray chemicals.</td>
<td>BONZI is a systemic plant growth regulator that reduces vegetative growth by inhibiting gibberellin production.</td>
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<td>2. Spray when foliage is dry.</td>
<td>Applied as a foliar spray or compost drench, BONZI, is effective on a wide range of ornamentals, producing more uniform, compact and sturdy plants. Also, following treatment with BONZI the foliage colour and flowering of some species is enhanced and the bract colour of red poinsettia cultivars is improved.</td>
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<td>3. Apply to well-watered plants, avoiding any under stress. Avoid top watering for 24 hours after application.</td>
<td>Bonzi is relatively persistent in soil and therefore its use is restricted to pot and container grown flower and foliage plants.</td>
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<td>4. BONZI is for use only on pot and container grown plants.</td>
<td><strong>CROP SPECIFIC INFORMATION</strong></td>
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<td>5. Because BONZI is active by root uptake as well as foliage it is not for use in cut flowers where successive crops are grown in the same soil/compost.</td>
<td><strong>Rate of Use and Timing:</strong></td>
</tr>
<tr>
<td>6. Mixed varieties - optimum plant quality may not be achieved due to varietal differences in response to BONZI.</td>
<td>Response to treatment with BONZI can vary depending on variety, stage of growth and local environmental conditions.</td>
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<td>7. Compost from treated plants should not be re-used for subsequent crops.</td>
<td>Growers are therefore advised to use BONZI in small scale tests at the recommended rate in the first instance, before extensive use. Rates may need to be increased or reduced according to local conditions. Sequential applications may be required under some conditions to maintain control. For best results apply BONZI in dull weather and when the relative humidity in the glasshouse is not too high.</td>
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<td>8. Do not allow run-off of Bonzi solution on to soil required for a succeeding crop.</td>
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<td>9. Thoroughly wash pots, boxes etc before re-use.</td>
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<tr>
<td>10. Repeated use of Bonzi on crops grown on capillary matting may lead to a build-up of paclobutrazol in the matting which may affect following crops. Until further experience is gained, application should be made in a manner to minimise the amount of Bonzi directly reaching the matting.</td>
<td></td>
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</tbody>
</table>
AZALEA
To produce compact pot plants with improved and earlier flowering and reduced vegetative shoot production.
**Timing:** Apply as a spray shortly before or after placing in the forcing house.
**Rates of Use:** Use 250 ml per 10 litres water.

BEGONIA ELATIOR
To produce compact plants.
**Timing:** Apply as a spray at 7-10 cm plant height.
**Rates of Use:** Use 12.5 ml per 10 litres water.
**Varieties:** Bonzi has been used on RR Sirene, RR Elfe, Toran Orange No. 6, RR Mandella and Arosa.

BEDDING PLANTS
To control excessive growth and produce sturdy plants.
**Timing:** Apply as a spray from 2 weeks after prickling out when plants have made new growth. Repeat application when necessary.
**Rates of Use:** Use 12.5 ml per 10 litres water.
**Varieties:** Bonzi has been used on Ageratum, Alyssum, Campanula, Cineraria, Geranium, Impatiens, Lobelia, Mesembryanthemum, Nemesia, Pansy, Petunia*, Phlox and Stocks.
Little effect or variable effects have been reported on Marigold, Tagetes, Salvia, Dianthus and Sweet Pea.
*Note: Treatment may reduce "Picote" effect on certain cultivars.

KALANCHOE
To produce compact plants.
**Timing:** Apply as a spray when plants are 4cm high. Further applications may be necessary under vigorous growing conditions.
**Rates of Use:** Use 12.5 ml per 10 litres water.
**Varieties:** Bonzi has been used on cultivars Annette and Christine. The evidence of effectiveness and crop safety on Kalanchoe is limited.

LILY, MID-CENTURY HYBRID ‘Enchantment’
To produce compact plants.
**Timing:** Apply as a compost drench (see 'Application and Water Volume' under Mixing and Spraying) when shoot length is 6-9 cm. The evidence of effectiveness and crop safety on Lily (mid-century hybrid 'Enchantment') is limited.
**Rates of Use:** Use 125 ml per 10 litres water to make a stock solution.

POINSETTIA
To produce compact plants with darker green foliage and enhanced bract red colouration.
**Timing:** Apply after pinching as a spray when re-growth is 3 to 5 cm in length. Further applications can be made if required.
**Rates of Use:** Use 12.5 ml per 10 litres water.
**Varieties:** Bonzi has been tested on cultivars Annette Hogg, A.H. Diamond and A.H. Diva.

ROSE
To produce sturdy and compact pot miniature roses.
**Timing:** Apply as a spray when shoots are 5-15 cm long. Repeat after 2-3 weeks if necessary. The evidence of effectiveness and crop safety on rose is limited.
**Rates of Use:** Use 100 ml per 10 litres water.

TULIPS
For the production of potted tulips with reduced flower stem length.
**Timing:** Apply 100 ml of solution per pot as a compost drench when shoot length is 8-10 cm.
**Rates of Use:** Use 125 ml per 10 litres water to make a stock solution.
**Varieties:** Bonzi has been used on cultivars Apeldoorn, Cassini, Clare Butt, Don Quichotte, Golden Apeldoorn, Kees Nelis, Lucky Strike, Paul Richter and Trance.
**SAFETY PRECAUTIONS**

(a) **Operator Protection**
WASH CONCENTRATE from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.
DO NOT USE ON FOOD CROPS.

(b) **Environmental Protection**
DO NOT CONTAMINATE SURFACE WATERS OR DITCHES WITH CHEMICAL OR USED CONTAINER.

(c) **Storage and Disposal**
RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

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**MIXING AND SPRAYING**

**Preparation of Spray Solution:**
Slowly invert the container several times before using to ensure uniform mixture.
Half fill the spray tank with clean water and add the recommended quantity of 'Bonzi' to the sprayer. Wash out containers thoroughly and add washings to the sprayer at the time of filling. Top-up tank with water to required level.
Frequent or constant agitation of the spray solution is recommended.
Wash out spray tank thoroughly after use.

**Application and Water Volume:**

**Foliar Spray:** Use 2 litres of spray solution per 10m² or sufficient to give thorough coverage of plants. Avoid run-off onto compost with bedding plants.

**Compost Drench:** The compost must be moist at the time of application to ensure uniform distribution of the drench. Volume of drench liquid required is related to pot/container size. Recommended volume rates are:

<table>
<thead>
<tr>
<th>Pot Size</th>
<th>Drench Volume per Pot</th>
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<tbody>
<tr>
<td>10 cm</td>
<td>50 ml</td>
</tr>
<tr>
<td>15 cm</td>
<td>100 ml</td>
</tr>
<tr>
<td>20 cm</td>
<td>200 ml</td>
</tr>
</tbody>
</table>

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**SAFETY PRECAUTIONS**
The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**Bonzi**

Bonzi is a suspension concentrate containing 4 g/l (0.39% w/w) of paclobutrazol

Keep out of reach of children.
When using do not eat, drink or smoke.
Keep away from food, drink and animal feeding stuffs.

**To avoid risks to man and the environment, comply with the instructions for use.**

**IMPORTANT INFORMATION**

**FOR USE ONLY AS A HORTICULTURAL PLANT GROWTH REGULATOR**

For use on: Container and pot grown ornamentals.

Maximum Individual Dose/
Other Specific Restrictions: The maximum concentration must not exceed 250 ml product per 10 litres water.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

PROTECT FROM FROST.
SHAKE WELL BEFORE USE.
STORE IN A COOL, DRY PLACE.

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**Pack Size:** 1 litre  
**Outers of:** 12 x 1 litre

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'off-label' approval or is otherwise permitted under the Control of Pesticides Regulations. The information on the label is based on the best available information including data from test results.

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**Marketing Company:**
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In case of toxic or transport emergency with Bonzi ring 01484 538444 any time.

**Safety data sheet available on request.**

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