

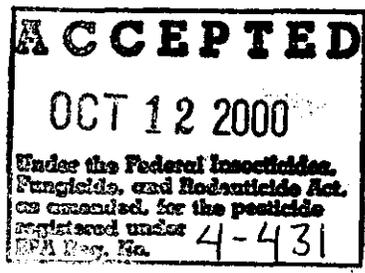
MASTER LABEL. 4-431

10/12/2000

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**Root & Grow®**  
Root Stimulator & Plant Starter  
4-10-3



For use on ornamental, non-food plants.

Optional Marketing Statements

- Stimulates early root formation, stronger root development.
- Helps reduce transplant shock and promotes more vigorous plant growth.
- Provides nutrients for seed germination.

**ACTIVE INGREDIENT:**

Indole-3-butyric acid ..... 0.0004%

**OTHER INGREDIENTS:** ..... 99.9996%

**TOTAL:** ..... 100.0000%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

(See back/side panel(s) for First Aid and additional Precautionary Statements)

**GUARANTEED ANALYSIS**

**4-10-3**

Total Nitrogen (N) .....	4.00%
4.00% Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	10.00%
Soluble Potash (K <sub>2</sub> O) .....	3.00%

Derived from ammonium phosphate, muriate of potash.

F1290

Information concerning the raw materials composing this product can be obtained by writing to the Guarantor listed below, and referring to the batch number found on this container.

**NET CONTENTS 1 PT (473 ml)/1 QT (946 ml)/1 GAL (3.785 l)  
NET WEIGHT 1.15 LB (.5 kg)/2.3 LB (1.0 kg)/9.2 LB (4.2 kg)**

EPA Reg. No. 4-UGR  
EPA Est. 4-NY-1

## FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.

- If On Skin or Clothing:**
- Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
- If In Eyes:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**Pesticide Storage:** Store and transport in an upright position. Store product in original container in a locked storage area.

**Pesticide & Container Disposal:** Securely wrap original container in several layers of newspaper and discard in trash.

### FOR HOMEOWNER USE ONLY.

**WHAT IS THIS PRODUCT FOR?** Use **BONIDE® Root & Grow®** anytime you are seeding or transplanting to stimulate early root formation and stronger root development, to help reduce transplant shock, and to promote more vigorous plant growth. **BONIDE® Root & Grow®** can also be used as listed throughout the growing season to provide plant nutrients that help sustain optimal plant growth and development.

**HERE ARE THE RESULTS YOU MAY EXPECT:** This product helps plants become established quickly and helps insure vigorous growth.

### HOW TO USE: (SHAKE WELL BEFORE USE)

This product is concentrated and must be diluted with water according to the following rates before use on flowers, shrubs, trees or houseplants.

3½ Tbs. per gallon of water    1 pint in 9½ gallons of water    1 quart in 19 gallons of water

[Optional How To Use directions to be used for containers with measuring-cup caps: Mix ½ capful (3½ Tbs.) per gallon of water.]

**ORNAMENTAL PLANTS****Flowers, Shrubs, Trees:**

*For Transplants:* Use 1 to 8 pints of *diluted* solution per plant, depending on size. For example, use 1 pint of the mixture on mums, geraniums and other annual flowers. For rose bushes, azaleas, gardenias, camellias and other shrubs, use 3 pints per plant. For plants larger than 4 ft. (trees and large shrubs) use 1 gal. or more of the mixture per plant. Pour diluted solution over the soil as the roots are being covered, making sure that the roots are wet with the solution. Wet soil around plant with water after planting.

*For Seeding:* After seeds are covered with soil, water thoroughly using 1 gallon of *diluted* solution per 250 sq. ft. of plant bed. Water thoroughly.

*For Established Plants:* Use 1 gallon of *diluted* solution per 250 sq. ft. Apply at the first signs of new growth in spring and repeat every 4-6 weeks throughout the growing season. Water thoroughly.

**Houseplants:** Use  $\frac{1}{2}$  cup *diluted* solution per quart of soil (a 6 in. pot holds approximately 1 quart). Reapply every 6-8 weeks.

**Lawns:**

*For Seeding/Sodding New Lawns:* Dilute 1 gallon of **BONIDE® Root & Grow™** in 10-15 gallons of water to cover 2,500 sq. ft. (1 quart in  $2\frac{1}{2}$  to  $3\frac{3}{4}$  gallons of water to cover 625 sq. ft.) (1 pint in  $1\frac{1}{4}$  to 2 gallons of water to cover 312 sq. ft.). Apply using a hose-end sprayer or pressure-type tank sprayer. Water thoroughly to soak into the root zone.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

Buyer's Guarantee limited to label claims.

Manufactured/Guaranteed by  
**BONIDE PRODUCTS, INC.**

2 Wurz Avenue  
Yorkville, NY 13495