



Plant Growth Stimulant for Use by Foliar and Basal Methods on Plants That Can Be Propagated from Cuttings. Use on Annual, Perennial, and Woody Ornamental Plant Cuttings.

**Active Ingredient:**

Indole-3-butyric Acid..... 20%

**Other Ingredients:** ..... 80%

**Total**..... 100%

Contains 1.83 pounds indole-3-butyric acid (IBA)/gallon

**KEEP OUT OF REACH OF CHILDREN  
WARNING/AVISO**

EPA Reg. No. 62097-58-82917 EPA Est. No. 70815-GA-001 Net Contents: 1 quart (0.95 liters)

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
IF SWALLOWED	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
IF IN EYES	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, seven days a week.</p>	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING.** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear (specify appropriate protective eyewear). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with skin or clothing. Avoid breathing spray mist.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Protective eyewear
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl Chloride

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE items separately from other laundry.

### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval level (REI) of 12 hours unless wearing appropriate PPE.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as, plants, soil or water is:

- Coveralls
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material

### **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applied when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter the treated areas until sprays have dried.

### **DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

**ADVOCATE is a plant biostimulant which can improve the rooting of plant cuttings for plant propagation.**

- ADVOCATE can be tank mixed and applied with other products (fertilizers, fungicides, biostimulants, plant growth regulators, etc.) to improve plant health and early growth. All possible combinations of the various products with ADVOCATE have not been tested. As such, perform a test mix of the materials to be used in the tank mix with ADVOCATE, as shown in the Compatibility section below, to evaluate compatibility of the mixture prior to preparing a larger amount for application in the field. Failure to do so could result in crop injury or lack of performance.
- Tank mixes of ADVOCATE and other products as noted above must be mixed thoroughly and applied within 1 day of mixing. Agitation must be maintained to assure proper dispersal of the ADVOCATE in the tank mix.
- Apply ADVOCATE utilizing properly calibrated application equipment. Failure to do so may result in an improper application to the crop which could result in injury to the crop or lack of performance.
- Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying ADVOCATE.
- This product cannot be used to formulate or reformulate any other pesticide product.

### **COMPATIBILITY**

Conduct a compatibility test when you plan to mix ADVOCATE with other products. To determine the physical compatibility of ADVOCATE with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Follow the more restrictive labeling requirements of any tank mix partner. Do not tank mix with products whose label prohibits tank mixing. Treat a small test plot if new combinations of products are being used for the first time.

### **Tank Mixing Information:**

ADVOCATE is soluble in water, but can also be mixed directly into many liquid fertilizers for use in-furrow at planting. ADVOCATE can also be applied in tank mixes as foliar sprays. All possible combinations of fertilizers, pesticides and/or other agricultural tank mix partners have not been evaluated. Tests must be performed for compatibility and crop safety before applying mixes of materials with which the applicator does not have experience and prior to large-scale use.

Testing has shown that ADVOCATE, when used as per label instructions, does not result in phytotoxicity. However, not all crop varieties and cultivars have been tested with possible tank-mix combinations. Since local conditions can influence crop tolerance, test any tank-mix combination on a small portion of the crop to be treated to ensure crop safety. Read and follow the applicable Directions For Use on all products involved in tank-mixing. Always defer to the most restrictive labeling.

**Tank mixes of ADVOCATE and any other products used to improve the propagation of plant cuttings must be mixed thoroughly and applied within 1 day of mixing. Agitation must be maintained to assure proper dispersal of the ADVOCATE in the tank mix.**

## **APPLICATION INSTRUCTIONS**

**IMPORTANT:** Read the entire "Directions for Use" and the "Notice" before using this product. If these terms are not acceptable, return the unopened product container to seller at once.

**NOTICE:** ADVOCATE IS NOT A FERTILIZER. A FERTILIZER PROGRAM MUST BE DEVELOPED AND APPLIED FOR THE PRODUCTION OF PLANT SPECIES/VARIETIES BEING PROPOGATED.

Apply ADVOCATE using properly calibrated spray equipment. Your ideal rates will vary according to specific plant variety, season, quality of the cuttings, and local growing conditions. Prior to large-scale production, test a few plants at several rates within the range. If phytotoxicity is observed following foliar application(s), lower rates must be evaluated or try basal applications. Use the rate that produces the desired effect in the specific plant species without inducing toxicity symptoms. Spray volume can influence affect of the product. See Foliar Application Method section for explanation.

Test results have shown that this product can stimulate root growth leading to larger root mass.

**GUIDANCE FOR CREATING CONCENTRATIONS FROM 25 TO 10,000 PPM IBA USING ADVOCATE.**

ppm IBA	ml of ADVOCATE to be added	
	ml per liter of water	ml per gallon of water
25	0.114	0.43
50	0.228	0.86
80	0.365	1.38
100	0.457	1.73
150	0.685	2.59
200	0.913	3.46
250	1.14	4.32
300	1.37	5.18
400	1.83	6.91
500	2.28	8.64
600	2.74	10.37
700	3.20	12.10
800	3.65	13.83
900	4.11	15.55
1,000	4.57	17.28
2500	11.41	43.21
5,000	22.83	86.41
10,000	45.66	172.83

**METHOD FOR CALCULATION OF RATE(S) TO BE APPLIED**

A wide solution rate range is indicated for this product. The ideal rates will vary according to specific plant variety, growing season, quality of the cuttings to be treated, overall production program and local growing conditions. Prior to large-scale production, plants of the variety to be treated must be tested with several rates of ADVOCATE within the range specified in this label for that plant grouping. If phytotoxicity is observed following foliar application(s), users must then try lower rates or try basal applications. It is recommended that the grower use the lowest rate that produces the desired effect.

### **PREPARING A SOLUTION OF ADVOCATE IN WATER**

- 1) In an appropriate mixing container, add half the total water volume to be used for the total mix. Water must be clean and free of any contaminants.
- 2) Measure the required amount of ADVOCATE to be added to the water.
- 3) Add the measured amount of ADVOCATE to the water in the mixing tank/container.
  - a. Thoroughly mix the solution of water and ADVOCATE. If the system has an agitation system, the agitation must be running.
- 4) Add the amount of water needed to bring the solution to the desired final volume.
- 5) If any other materials are to be added to the tank-mix solution, they must be mixed by the proper method and mixing order for those materials. As noted previously in this label, all tank mixes must be tested for compatibility and applied to a small sample of the plants to be treated to test for phytotoxicity before applying the mix to a large number of plants.
- 6) Apply the solution by the selected method.
- 7) After use, dispose of the solution as described in the 'Storage and Disposal' statements on this label.
  - a. For the Total Immerse and Basal methods, dispose of solutions between plant lots to avoid cross contamination.

### **PROMOTE ROOTING OF PLANT CUTTINGS**

ADVOCATE can be used to propagate new plants from cuttings. For successful plant propagation, the cuttings to be treated and planted must be of good quality and follow a production plan for the successful rooting and growth of the cuttings following application.

## **APPLICATION METHODS**

### **TOTAL IMMERSION METHOD**

Use on leafy cuttings to be planted immediately after treatment.

- First determine the proper rate to apply for the particular cuttings to be treated and prepare the solution.
- Totally immerse the cuttings in the mix solution for approximately 5 seconds. Immediately after removing the cuttings from the treatment solution, stick the cuttings in the planting media.

### **SPRAY METHOD**

Use on leafy cuttings to be planted immediately after treatment or sprayed within 48 hours of sticking/planting.

- First determine the proper rate to apply for the particular cuttings to be treated and prepare the solution.
- Stick cuttings in the planting media.
- Spray the solution on leaves and stems until the solution drips down into media.

Spray volume can influence effect of the product. Research has shown that as spray volume increases, a greater effect of the IBA may be observed. This higher spray volume can result in more of the spray material reaching the soil and moving into the rooting zone. This could allow for the material to also be taken up by the forming roots.

If changing the spray volume to be applied, then testing on a small number of plants must be performed to evaluate the affect.

**TRIAL RATES FOR THE TOTAL IMMERSION AND FOLIAR SPRAY METHODS**

Trial Rates are expressed in ppm IBA using ADVOCATE.

	Initial Rate Range (ppm)
Annuals, perennials, chrysanthemums	80-400
Herbaceous and hard to root perennial plant cuttings	250-1500
Woody ornamental cuttings	300-1500

When testing a new species, begin testing in the middle of the rate range stated.

**BASAL DIP METHOD**

Can be used on cuttings to be planted immediately after application and winter dormant cuttings.

- Immerse basal end of cuttings up to approximately 1" in solution for a few seconds.
- Stick immediately into planting media or store.

Basal Dip Trial Rates are ppm IBA using ADVOCATE

	Trial Rates
Annuals, soft perennial, tender cuttings from ornamental plants, tropical hose plants	80-200
Herbaceous, perennials, pot roses cuttings	150-1500
Difficult to root herbaceous, perennials, tropical house plant cuttings	500-1500
Softwood cuttings	500-1500
Hardwood cuttings	500-2000
Difficult to root hardwood cuttings (Avoid high rates by using the Basal Long Soak Method)	2000-10,000

When testing a new species, begin testing in the middle of the rate range stated.

**BASAL LONG SOAK METHOD**

Can be used on cuttings to be planted immediately after application and winter dormant cuttings

- Immerse basal end of cuttings up to approximately 1" in solution for 12 to 48 hours.
- Stick immediately or store.

Trial Rates are ppm IBA using ADVOCATE

	Trial Rates
Hard to root annuals and perennials	25-100
Herbaceous cuttings	50-200
Woody ornamental cuttings, grape, roses	50-400

When testing a new species, begin testing in the middle of the rate range stated.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container only. Do not store in direct sunlight. Avoid freezing temperatures. After partial use, close the container tightly. Store in a secure place that is cool and dry. Use spray and stock solutions within 24 hours.

Immediate use is required if another component is added to the spray solution.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non--refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller.

To the extent consistent with applicable law: 1) FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product.

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