

# Ascend<sup>®</sup> ST3<sup>™</sup>

## PLANT GROWTH REGULATOR

*Hormone compounds to stimulate plant growth.*

### ACTIVE INGREDIENTS

*Cytokinin, as Kinetin .....	0.046%
*Gibberellins (GA <sub>4</sub> + GA <sub>7</sub> ).....	0.041%
*Indole-3-butyric Acid.....	0.250%

<b>OTHER INGREDIENTS</b> .....	<b>99.663%</b>
<b>TOTAL</b>	<b>100.000%</b>

\*Contains 0.0040 lbs. cytokinin, as kinetin/gal

\*Contains 0.0036 lbs. gibberellins/gal

\*Contains 0.0220 lbs. indole-3-butyric acid/gal

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

FIRST AID	
<b>If in eyes</b>	<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>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. <b>HOTLINE NUMBER:</b> In case of medical emergency call 1-877-424-7452.	

Read additional precautionary statements below.

EPA Reg. No. 1381-276

EPA Est. No. [ \_\_\_\_ - \_\_\_\_ - \_\_\_\_ ]

NET CONTENTS: 1 Gal. [2.5 Gal., 15 Gal.]

Distributed by:  
WINFIELD SOLUTIONS, LLC  
P.O. Box 64589, St. Paul, MN 55164

2/1221/2

[Lot No. \_\_\_\_\_]

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Wear the appropriate Personal Protective Equipment (PPE).

#### **Personal Protective Equipment:**

Mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks
- chemical resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride  $\geq$  14 mils, or viton  $\geq$  14 mils.

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

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing 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.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwater or rinsate.

Treated seed exposed on soil surface may be hazardous to birds, wildlife, fish, and aquatic invertebrates. Cover or collect seeds spilled.

#### **DIRECTIONS FOR USE**

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

**IMPORTANT:** Read the entire "Directions for Use" and the "Warranty Disclaimer" and "Limitation of Liability" before using this product. If terms are not acceptable, return the unopened product container at once.

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 requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

#### **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 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 this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow workers (or pets) to enter into treated areas during the restricted entry interval (REI) of **12 hours**.

EXCEPTION: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 over long-sleeved shirt and long pants
- chemical-resistant gloves
- shoes plus socks.

#### **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 applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Follow personal protective equipment precautions listed.

### **SEED TREATMENT**

Acting through its unique combination of plant growth regulators, Ascend ST3 is a seed dressing that aids in enhancing germination and early season root and top growth.

#### **SEED TYPES**

Alfalfa, Barley, Bean (dry), Buckwheat, Canola, Clover, Cotton, Grass (includes species in *Gramineae/Poaceae* family), Kudzu, Lespedeza, Lupin, Millet, Oats, Onion, Pea, Peanuts, Potato, Rice, Rye, Sainfoin, Sorghum, Soybean, Sugar beet, Sunflower, Sweet potato, Teosinte, Trefoil, Triticale, Velvet bean, Vetch, Wheat, Wild rice, Yam

#### **APPLICATION RATES**

See below for potato, sweet potato, and yam.

For all other seed noted above, use Ascend ST3 at the rate of 0.5 – 2.1 fluid ounces per 100 lbs. of seed. Use the higher rate when conditions favor poor germination such as cool soil temperatures or with a low germination seed. Mix this product with sufficient water to ensure uniform coverage of seeds. Improper coverage will minimize product performance.

**NOTE:** If seed has been treated with this product, do not apply any other product containing Cytokinin, Gibberellins or Indole-3-butyric Acid as an in-furrow, band, side dress or mark out application.

#### **APPLICATION METHODS**

##### **Mechanical Seed Treaters**

Apply the appropriate amount of Ascend ST3 plus water to a premeasured amount of seed and mix thoroughly until all seed are uniformly coated. Uneven or incomplete seed coverage may not give the desired level of disease control. Seed can be treated in this manner and stored until used for planting. Allow seed to dry before bagging or storing. An approved dye must be added to this product to distinguish treated seed and prevent inadvertent use for food, feed or oil purposes as required by the Federal Seed Act. Seed treated with this product must be labeled in accordance with all

applicable requirements of the Federal and State seed laws. DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.

### **Broadcast Seed Spreader**

Partially fill broadcast spreader with a premeasured amount of seed. Apply the appropriate amount of Ascend ST3 plus water on the surface of the seed. Mix with a stick or paddle until all seed are coated. Repeat procedure until broadcast spreader is filled. DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time.

### **Tank Mixes**

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Confirm physical compatibility, seed safety, seed safety in stored seed, and biological efficacy before tank mixing with other seed treatment products. This product cannot be mixed with any product that contains a label prohibiting such mixing.

Uneven or incomplete seed coverage may not give the desired level of disease control. An approved dye must be added to distinguish seed treated with Ascend ST3 and prevent inadvertent use for food, feed, or oil purposes as required by the Federal Seed Act. Seed can be treated in this manner and stored until used for planting. Allow seed to dry before bagging or storing. Seed treated with this product must be labeled in accordance with all applicable requirements of the Federal and State seed laws. DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.

## **POTATO, SWEET POTATO, YAM**

### **Potatoes:**

Choose *one* of the following methods:

Dip potato seed pieces in a solution of 1-part Ascend ST3 to 710 parts water (0.2 fluid ounces/gal. of water) for 30 to 60 seconds or spray seed pieces with the above solution so that seed pieces are covered and thoroughly wetted. This product can be used with a fungicide program.

*OR*

Use 0.25 to 0.525 fluid ounces (volumetric measurement Ascend ST3 per 100 lbs. of cut seed pieces). Treat seed pieces immediately after they have been cut. Apply so that the cut seed pieces are thoroughly covered. This product can be mixed with other seed treatments and carriers such as fir and alder bark to ensure uniform coverage.

**NOTE:** If seed has been treated with this product, do not apply any other product containing Cytokinin, Gibberellins or Indole-3-butyric Acid as an in-furrow, band, side dress or mark out application.

### **Sweet Potatoes and Yams:**

Dip potato slips in a solution of 1-part Ascend ST3 to 710 parts water (0.2 fluid ounces/gal. of water) for 30 to 60 seconds. This product can be used with a fungicide program.

**NOTE:** If seed has been treated with Ascend ST3 do not apply any other product containing Cytokinin, Gibberellins or Indole-3-butyric Acid as an in-furrow, band, side dress or mark out application.

## **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Protect from freezing. Store out of direct sunlight.

**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:** Use label language appropriate for container size and type.

**Nonrefillable containers.** Do not reuse or refill this container. Clean container promptly after emptying.

**Nonrefillable container equal to or less than 5 gallons.** 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  $\frac{1}{4}$  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 or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable container greater than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Tip the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Refillable container.** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call  
CHEMTREC 1-800-424-9300.**

#### **WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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