

# SMART START™ PLUS



9-28-3

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## SPECIALTY NUTRIENTS

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	9%
8.80% Ammoniacal Nitrogen	
0.20% Other Water-Soluble Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	28%
Soluble Potash (K <sub>2</sub> O) .....	3%
Boron (B) .....	0.05%
Iron (Fe) .....	0.25%
0.25% Chelated Iron	
Zinc (Zn) .....	0.25%
0.25% Chelated Zinc	

**DERIVED FROM:** Ammonium Phosphate, Ammonium Polyphosphate, Monopotassium Phosphate, Tetrapotassium pyrophosphate, Sodium Borate, Iron EDTA, Zinc EDTA.

### ALSO CONTAINS NON-PLANT FOOD INGREDIENT:

0.41% Humic Acids derived from Leonardite.

STORE ABOVE 32 °F

F3013

### HAZARD STATEMENTS

Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

### PRECAUTIONARY STATEMENTS

Avoid breathing mist, spray, or fumes. Use only outdoors or in a well-ventilated area.  
If medical advice is needed, have product container or label on hand.  
Keep out of reach of children.  
Read label before use.

### Prevention:

Wash hands, face and other affected areas thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Take off contaminated clothing and wash before reuse.

### Response:

Call a POISON CENTER or doctor/physician if you feel unwell.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs get medical advice/attention.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

In case of emergency call CHEMTREC 1-800-424-9300



## KEEP OUT OF REACH OF CHILDREN WARNING

**NET CONTENTS:** 2.5 Gal (9.46 L)  
**NET WEIGHT:** 28.63 lb (12.97 kg)  
**DENSITY:** 11.45 lb/gal @ 68 °F



**INNVIDIS  
BIOSCIENCE™**  
PLANT HEALTH TECHNOLOGIES  
P.O. Box 9296, Boise, ID 83707  
855-466-8428



RD111721

## PRODUCT INFORMATION

This product provides readily available plant nutrients to supplement a well-balanced, existing soil fertilization program. Humic acids may aid in micronutrient uptake. A wetting agent should be used when applying SMART START PLUS. This product will lower the pH of the spray solution. SMART START PLUS is compatible with most commonly used pesticides and fungicides. However, a compatibility test is recommended before full scale mixing, if the desired combination has not been used in the past. Do not combine with copper fungicides or other strongly alkaline materials.

## DIRECTIONS FOR USE

### DILUTION RECOMMENDATIONS

Unless otherwise specified, use the rate for each crop and dilute with water as follows:

Aerial: 5-30 gallons of water per acre

Dilute: 100 plus gallons of water per acre

Concentrate: 10-100 gallons of water per acre.

**MIXING INSTRUCTIONS:** Fill tank ½ full of water. Add SMART START PLUS and agitate thoroughly while adding the remaining water.

## APPLICATION RATE RECOMMENDATIONS

### FRUIT AND NUT CROPS

**ALMONDS, FILBERTS, HAZELNUTS:** Apply 1 gallon after bud swell to popcorn stage, prior to bloom. Repeat 2 weeks after petal fall. Older trees may require an additional application of 3-4 quarts.

**APPLES, PEARS:** Apply 2-4 quarts just prior to bloom and repeat at petal fall. Apply another application of 3-4 quarts 4-5 weeks later.

CAUTION: DO NOT APPLY TO MELROSE APPLES.

**APRICOTS, CHERRIES, PLUMS, PRUNES, PEACHES, NECTARINES:** Apply 1 gallon after bud swell to popcorn stage, prior to bloom. Repeat 2 weeks after petal fall. Older trees may require an additional application of 3-4 quarts.

**AVOCADOS:** Apply 3-4 quarts just prior to bloom. Make 2 more applications at 4-week intervals.

**BUSHBERRIES (boysenberries, Blackberries, Raspberries):** Apply 2-3 quarts prior to bloom and repeat at 2-week intervals.

**CITRUS:** Apply 4-6 quarts at bud stage, prior to bloom. Repeat applications of 4-6 quarts as new growth appears. Do not apply in combination with oil sprays.

**GRAPES:** Apply 1-2 quarts when canes reach 8-12 inches in length. Prior to bloom apply 2-3 quarts. \*Apply 3 quarts between shatter and buckshot stage and again 4-6 weeks prior to harvest to help increase sugar content in grapes.

\*Omit second application for those varieties that have tight clusters.

**MELONS:** Apply 2-3 quarts at bud stage prior to bloom. Make 2-3 more applications at 2-week intervals.

**PISTACHIOS, PECANS, WALNUTS:** Apply 3-4 quarts before bloom. Repeat applications of 3-4 quarts every six weeks making the last application 30 days before harvest.

**STRAWBERRIES:** Apply 2-3 quarts prior to bloom and repeat at 2-week intervals throughout the growing season.

### FIELD CROPS

**ALFALFA (Hay):** Apply 3-4 quarts one week after each cutting.

**ALFALFA (Seed):** Apply 3-4 quarts at bud stage prior to bloom. Make 2-3 applications per season using 2-3 quarts at 2-3 week intervals.

**BARLEY, WHEAT, OTHER SMALL GRAINS:** Apply 2-3 quarts prior to, or just after, tillering. Make second application just prior to heading to help fill out kernels.

**COTTON:** Apply 1-2 quarts after true leaves appear. Apply 2-3 quarts as first squares appear making 2 more applications at 2 week intervals.

**RICE:** Apply 2-3 quarts prior to or shortly after tillering. Repeat applications 1-2 weeks prior to bloom and again 2 weeks after bloom.

CAUTION: DO NOT APPLY AT TIME OF BLOOM.

**SAFFLOWER:** Apply 2-3 quarts prior to heading out and repeat at 2-3 week intervals.

**SORGHUM:** Apply 1-2 quarts at bud stage prior to bloom. Repeat in 2 weeks. Apply 2-3 quarts as pods begin to fill.

**SOYBEANS:** Apply 2-3 quarts at bud stage prior to bloom. Repeat in 2 weeks. Apply 2-3 quarts as pods begin to fill.

**SUGAR BEETS:** Apply 2-3 quarts at thinning and repeat again in 4 weeks. Apply 2-3 quarts 6 weeks before harvesting to aid in increasing sugar content.

### VEGETABLE CROPS

**ARTICHOKES:** Apply 2-3 quarts at bud stage. Make additional applications of 2 quarts at 2 week intervals.

**BEANS, PEAS:** Apply 2-3 quarts at bud stage, prior to bloom. Make 2 additional applications at 2 week intervals.

### CABBAGE, CAULIFLOWER, BOK CHOY, BROCCOLI, BRUSSEL SPROUTS:

**(Direct seed):** Apply 2 quarts at 4-5 true leaf stage. Apply 2-3 quarts again at bud stage and repeat at 2-3 week intervals.

**(Transplant):** Apply 1-2 quarts 1-2 weeks after transplanting. Apply 2-3 quarts again at bud stage and repeat at 2-3 week intervals.

**CORN (Field and Sweet):** Apply 2-3 quarts when corn is 2-4 feet tall and repeat after tasseling.

**LETTUCE, SPINACH:** Apply 2-3 quarts after thinning. Repeat at 2-3 week intervals making 3-4 applications per season.

**CELERY:** Apply 2-3 quarts after transplanting. Repeat at 2-3 week intervals making 3-4 applications per season.

**CUCUMBERS, SQUASH:** Apply 2-3 quarts at bud stage and prior to bloom making 2-3 additional applications at 2 week intervals.

**ONIONS, GARLIC:** Apply 2-3 quarts when plants are well established. Repeat at 2-3 week intervals making 3-4 applications per season.

**OTHER VEGETABLE AND ROOT CROPS:** Apply 2-3 quarts at 2-3 week intervals after thinning or when plants are well established making 4 applications per season.

**POTATOES, SWEET POTATOES, YAMS:** Apply 3 quarts when plants are 4-6 inches high. Make 2 more applications at 2 week intervals.

### TOMATOES, PEPPERS

**(Processed):** Apply 1-2 quarts after stand is established. Apply 2-3 quarts at bud stage prior to bloom and make 2 additional applications at 2 week intervals.

**(Fresh):** Apply 2-3 quarts at bud stage prior to bloom. Repeat at 10-14 day intervals throughout the growing season. May be added to the transplant water at the rate of 3-5 gallons per acre.

## STORAGE & DISPOSAL

Store product in original container tightly closed, upright, in a dry place. DO NOT store in excessive cold or heat. DO NOT reuse container. DO NOT contaminate water, food or feed by storage or disposal. Triple rinse or equivalent and dispose of container in accordance with local, state and federal regulations.

**WARNING:** This product contains boron and should be used only as recommended. The use of this product on any crops other than those recommended may result in serious injury to the crops(s).

**WARNING:** This product is to be used only on crops which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

## WARRANTY, DISCLAIMER AND LIMITATION OF DAMAGES

INNVCITIS BioScience Plant Health Technologies warrants only that this product conforms to the product description on the label and is reasonably fit for the purposes stated in the Directions For Use. The Directions for Use of this product are believed to be adequate and must be followed carefully. It is, however, impossible to eliminate all risks associated with this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner or use or application, all of which are beyond the control of INNVCITIS BioScience Plant Health Technologies. All such risks must be assumed by the buyer or user. Except as warranted on this label, INNVCITIS BioScience Plant Health Technologies makes no representation, warranty or guarantee, whether expressed or implied including, but not limited to, warranty of merchantability, fitness for a particular purpose, or otherwise. No agent or representative of INNVCITIS BioScience Plant Health Technologies or the seller of the product is authorized to amend the terms of this Warranty disclaimer or the product's label or to make a representation or recommendation different or inconsistent with the label of this product. To the extent consistent with applicable law, INNVCITIS BioScience Plant Health Technologies' maximum liability for breach of its warranty or for use of this product, regardless of the form of action, shall not exceed the purchase price of this product. To the extent permitted by applicable law, INNVCITIS BioScience Plant Health Technologies shall not be liable for consequential, special or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages. If the warranty and liability limitations or disclaimer are not acceptable, return the unopened container to the place of purchase for full refund. To the extent not inconsistent with applicable law or the label, the purchase, delivery, acceptance and use of this product by the buyer is subject to the terms and conditions of seller's sales invoice for this product.