

Take Off[®] SULFONE PRE-MIX

REV 05/16 80 GHS
FFN 04027

0-2-1

Target Market

VEGETABLE,
FIELD AND
PERMANENT
CROPS

Target Usage/
Application

FOLIAR OR
SOIL NUTRIENT

GUARANTEED ANALYSIS

Available Phosphate (P ₂ O ₅).....	2.0%
Soluble Potash (K ₂ O).....	1.0%
Sulfur (S).....	1.7%
Iron (Fe).....	0.05%
0.05% Chelated Iron (Fe)	

Derived from Phosphorous Acid, Potassium Hydroxide, Ammonium Hydroxide, Potassium Citrate, Potassium Sulfate, Urea, Dimethyl Sulfone, and Iron EDTA.

F002331

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

STORAGE AND DISPOSAL

Store in a cool, dry area out of reach of children and animals, as well as out of direct sunlight during storage for extended amounts of time. Store in original container. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store at temperatures above 32°F. Dispose of unused product and empty containers at an approved waste disposal plant in accordance with Federal, State and local regulations.

GENERAL RECOMMENDATIONS

This product is a concentrated nutrient solution containing, in highly soluble form, certain elements beneficial to plant growth, flowering, crop development, crop quality, yield, fruit set, rooting, root development and transplant establishment when applied as a properly timed foliar or soil application. Read and follow all label directions including **USE PRECAUTIONS** before using this product. Applications of this product should be part of a fertility program based upon soil and tissue testing data and is intended for use as a supplemental fertilizer treatment.

Contact your Certified Crop Advisor for specific recommendations for your area.

DIRECTIONS FOR USE

Aerial Application – Apply 0.5 to 4 gallons in a minimum of 5 gallons of water.

Foliar Application – This product may be applied with all types of ground spraying equipment. Apply 0.5 to 4 gallons in a minimum of 10 gallons of water per acre. Do not exceed a product concentration of 10% v/v.

Soil Application – This product may be applied to the soil by all types of soil spraying/injection equipment and through certain types of irrigation systems. Refer to the **IRRIGATION SYSTEM APPLICATION** section. Apply 0.5 to 4 gallons per acre.

Compatibility – This product is compatible with most commonly used foliar pesticides, chemically neutral fertilizers and micronutrients. **Do not use this product with organosilicone surfactants, or adjuvants or surfactants that lower pH.** USER ASSUMES FULL RESPONSIBILITY to ensure compatibility when tank mixing with other products.

USE PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN SHAKE WELL BEFORE USING

As with all materials, user should exercise precaution to avoid potential phytotoxicity including foliar burning. Precaution is advised if applying this product in combination with other materials, a jar test for compatibility is recommended before tank mixing with other products. The pH of any final spray solution should be checked and an appropriate amount of the solution should be applied to a small area of the intended crop to ensure plant compatibility prior to the planned application. User assumes full responsibility to ensure product, equipment and plant compatibilities. **PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED, AND INTENDED FOR AGRICULTURAL USE. CONSULT SAFETY DATA SHEET FOR FURTHER INFORMATION.** In the event of a spill, clean-up promptly using trained personnel and pre-planned procedures.

See back panel for Additional Directions For Use.

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



This product is manufactured by:
Verdesian Life Sciences, U.S., LLC 1001 Winstead Drive, Suite 480, Cary, NC 27513
Customer Service: 800-868-6446



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DIRECTIONS FOR USE (continued)

SUGGESTED USES

VEGETABLE CROPS

General Vegetable Crops: Apply after transplanting, thinning or at second to fourth true leaf stage. Reapply at 15-30 day intervals up to harvest.

Garlic and Onions: Apply at bulb initiation to 1/2 inch diameter, from seedling stage and again approximately 6-8 weeks after 1" diameter.

Carrots: Apply at crop emergence. Reapply at 15-30 day intervals up to harvest.

Artichokes: Apply at seedling stage. Reapply at 15-30 day intervals.

Tomatoes, Cantaloupes and other Melons: Apply after transplanting, thinning or at second to fourth true leaf stage.

TREE, VINE AND FRUIT CROPS

Strawberries: Apply after transplanting. Reapply at 15-30 day intervals up to harvest.

Bush Berries, Caneberries, Kiwi, Olives, Citrus, Avocados and Figs: Apply pre-bloom. Reapply at 15-30 day intervals up to harvest.

Cranberries: Apply 20 days pre-bloom. Reapply at 15-30 day intervals up to harvest.

Pomegranates: Apply at first flush. Reapply at 15-30 day intervals up to harvest.

General Nut Crops: Apply at bud break. Reapply at 15-30 day intervals up to nut fill.

Pistachios: Apply at leaf out. Reapply at pre-bloom, 3 weeks post bloom and 6 weeks post bloom.

Stone Fruits: Apply at bud break or pink bud. Reapply at fruit set or jacket fall, fruit thinning and two to three weeks prior to harvest.

Pome Fruits: Apply at green tip or bud break. Reapply at 15-30 day intervals up to harvest.

Hops: Apply at 1 inch to 4 inches of shoot growth. Reapply at 8 to 10 inches of shoot prior to bloom and during bloom.

Grapes (Table, Wine, Raisin): Table Grapes: Apply at 4-6 inches of shoot growth and then at bloom. Wine and Raisin Grapes: Apply 4-6 inches of shoot grow and then at approximately 5-25% bloom. Reapply at bunch pre-closing, veraison and two to three weeks prior to harvest.

Dates: Apply at onset of bloom. Reapply at 15-30 day intervals.

FIELD CROPS

Garbanzo Beans: Apply after crop emergence at fourth to sixth true leaf stage. Reapply at 30 day intervals.

Beans (Not for Greenhouses): Apply after sowing, thinning or at second to fourth true leaf stage and reapply at 15 to 30 day intervals.

Cotton: Apply in furrow. Reapply at pin head square.

Forage Crops: Apply after sowing thinning or at second to fourth true leaf stage and reapply at 15 to 30 day intervals.

Alfalfa hay and Alfalfa Seed: Apply after sowing, thinning or at second to fourth true leaf stage and make 1-2 subsequent applications after cutting.

Barley, Grass (Seed), Oats, Rice, Rye, Sugar Cane and Wheat: Apply after emergence usually at first herbicide timing and reapply at 4-6 inches crop height and with the fungicide program. Reapply at 10 to 15 day intervals.

Corn: Apply at planting in seed row. Reapply at V4 through V6 stages.

Soybeans: Apply at stages V2-V3 and repeat application at R3.

Sugar Beets: Apply after sowing thinning or at second to fourth true leaf stage and reapply at 10 to 15 day intervals.

Asparagus: Apply at 2-3 feet height and reapply at 10 to 15 day intervals.

Sunflower, Safflower and Other Crops Grown for Seed: Apply pre-bloom and reapply at 10 to 15 day intervals.

Tobacco: Apply after transplanting and reapply at 15 to 30 day intervals.

Forestry and Nursery: Apply every 2 to 4 weeks during active growing periods.

IRRIGATION SYSTEM APPLICATION

Applications can be made through most irrigation systems including, but not limited to, low volume systems, drip, flood, and sprinkler systems. The specific injection equipment and irrigation system must conform to all federal, state and local regulations pertaining to the fertilization of plants through an irrigation system. Accurate and properly calibrated injection equipment and an irrigation system that is operated at maximum distribution uniformity will help avoid plant injury and/or product ineffectiveness. For best results, with the exception of center pivot and lateral systems, apply this product toward the end of the irrigation set. Allow sufficient time for the product to be flushed completely out of the entire irrigation system prior to turning off the irrigation water.

WARRANTY

Verdesian Life Sciences U.S., LLC warrants that this Product conforms to the specifications set forth on the label. This Product is reasonably fit for the purpose stated on the label when used in accordance with the label directions and instructions under normal conditions of use.

VERDESIAN NEITHER MAKES, NOR AUTHORIZES ANY AGENT, REPRESENTATIVE OR THIRD PARTY TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE CONDITION, QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Neither the warranty of merchantability nor fitness for a particular purpose, expressed or implied, extends to the use of this Product contrary to label instructions or under abnormal conditions or under conditions not foreseeable to the Seller or Verdesian.

Limitation of Remedies. The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories), shall be limited to, at Verdesian's election, one of the following: (1) replacement of the amount of product used; or (2) refund of the purchase price paid for the product; provided that Verdesian's provision of (1) or (2) is conditioned on its first being promptly notified of such loss or damage in writing. Verdesian shall not be liable to the buyer or any other party claiming by, through, or under the buyer for any other losses or damages resulting or relating to this product, including but not limited to any direct, indirect, special, punitive, economic, incidental or consequential damages or loss of profits, whether in contract, tort or otherwise. Verdesian neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale, storage, use or handling of this product other than expressly set forth herein.

See front panel for additional Directions For Use.