

Take Off[®] PHITE MZ

REV 05/16 C2 GHS
FF 01102

3-20*-7

Target Market

VEGETABLE,
FIELD AND
PERMANENT
CROPS

Target Usage/
Application

FOLIAR OR
SOIL NUTRIENT

GUARANTEED ANALYSIS

Total Nitrogen (N).....	3%
3% Ammoniacal Nitrogen	
Total Phosphoric Acid (P ₂ O ₅).....	20%
Soluble Potash (K ₂ O).....	7%
Manganese (Mn).....	0.50%
0.50% Chelated Manganese (Mn)	
Zinc (Zn).....	0.50%
0.50% Chelated Zinc (Zn)	

Derived from Phosphorous Acid, Potassium Hydroxide, Ammonium Phosphite, Manganese EDTA, and Zinc EDTA.

F002331

WARNING

Harmful if swallowed.



PRECAUTIONARY STATEMENTS

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

Very toxic to aquatic life with long lasting effects.

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 1 1/2 pints of product in no less than 5 gallons of water.

Foliar Application - This product may be applied by air or with all types of ground spraying equipment. Apply 0.5 to 4 pints per acre in a minimum of 3 1/8 to 25 gallons of water per acre. Do not exceed a product concentration of 2% volume/volume maximum.

*Note: As a foliar application, phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or are utilized directly by the plant as phosphite ions.

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 pints per acre.

*Note: As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. Placement close to seeds or root zones may be injurious to crops and the effect may be aggravated by a soil pH below 6.5.

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

USE PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

If the tank mix containing this product is below a pH of 7, **do not** tank mix with fungicidal copper products **or** apply the spray solution to plants that have been or will be treated with a fungicidal copper spray within 10 days of the planned application.

As with all materials, user should exercise precaution to avoid potential phytotoxicity including foliar burning. Caution is advised if applying this product in combination with other materials, a jar test for compatibility is recommended before tank mixing with other products. User assumes full responsibility to ensure product, equipment and plant compatibilities. Personal Protective Equipment recommended. Intended for Agricultural use. Consult Safety Data Sheet for further information. In the event of a spill, clean-up should be done promptly by trained personnel while using 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



Take Off®

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.

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 certain irrigation systems including, but not limited to, low volume systems and typical agricultural 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.

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See front panel for additional Directions For Use.