

# Take Off<sup>®</sup> LS

REV 05/18 AI GHS  
FF 4037

0-0-5

Target Market

FIELD GROWN  
AGRICULTURAL  
CROPS

Target Usage/  
Application

FOLIAR OR  
SOIL NUTRIENT

## GUARANTEED ANALYSIS

|   |       |
|---|-------|
| Soluble Potash (K <sub>2</sub> O) ..... | 5%    |
| Sulfur (S) .....                        | 2%    |
| Boron (B) .....                         | 0.10% |
| Iron (Fe) .....                         | 0.20% |
| 0.2% Chelated Iron (Fe)                 |       |
| Manganese (Mn) .....                    | 0.25% |
| 0.25% Chelated Manganese (Mn)           |       |
| Zinc (Zn) .....                         | 0.25% |
| 0.25% Chelated Zinc (Zn)                |       |

Derived from Potassium Hydroxide, Potassium Citrate, Dimethyl Sulfone, Boron Monoethanolamine, Iron EDTA, Manganese EDTA, and Zinc 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 certain elements beneficial to crop development, yield and quality 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

### WARNING

Over-application or excessive use of boron can result in boron toxicity. This may cause foliar damage or serious crop injury. The proper use of soil test recommendations will minimize the risk of over-application of boron.

Take Off LS can be applied alone or as part of a tank-mix via the following methods:

**Aerial Application** – Apply 1-2 pints per acre in a minimum of 3 gallons of water per acre.

**Foliar Application** – This product may be applied with all types of ground spraying equipment. Apply 1-2 pints per acre in 3 or more gallons of water per acre. Verdesian Life Sciences recommends using a non-ionic surfactant in herbicide tank mixes including Take Off LS. Do not use this product with organosilicone surfactants or with any adjuvants or surfactants that lower pH of the tank mix to less than 4.5.

**Soil Application** – Apply 1-2 pints per acre. This product may be applied to the soil by all types of soil spraying/injection equipment and through certain types of irrigation systems. If it will be applied with liquid ATS or other acidic fertilizers, dilute the ATS in water in the tank and then add Take Off LS to the tank mix. Do not premix Take Off LS with ATS or other acidic products prior to dilution in the tank water. Refer to the **IRRIGATION SYSTEM APPLICATION** section.

## USE PRECAUTIONS

### KEEP OUT OF REACH OF CHILDREN

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. **CAUTION: KEEP OUT OF REACH OF CHILDREN, HARMFUL IF SWALLOWED, PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED, AND INTENDED FOR AGRICULTURAL USE. CONSULT MATERIAL 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.html>

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 LS**

## DIRECTIONS FOR USE (continued)

### SUGGESTED USES

**USE RATE:** 1-2 pints/acre; can be applied alone or in tank-mixtures.

### CROPS AND APPLICATION TIMINGS:

**Cotton** – After emergence, when sufficient leaf area exists for good foliar spray interception, up to matchhead square growth stage.

**Alfalfa Hay and Forage Crops** – After emergence on new plantings, or after cuttings on established plantings, when sufficient leaf area exists for good foliar spray interception.

**Corn** – At planting with starter fertilizer, and/or foliar applications at standard herbicide and early fungicide timing (typically at growth stages V4-V5) and/or late fungicide timing (typically growth stage VT).

**Canola** – After emergence, when sufficient leaf area exists for good foliar spray interception, up to onset of bolting growth stage.

**Soybeans** – At standard herbicide and/or fungicide timing (typically at growth stages V3-V5 and R1-R3, respectively).

**Wheat, Rice, Barley, and other Cereal Grains** – At top-dress fertilizer/herbicide/pre-jointing timing through flag-leaf fungicide application timing.

### 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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**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.

In MS this product is a **Low Analysis Fertilizer**.