

# SPECIMEN



## GUARANTEED ANALYSIS

Iron (Fe) ..... 2.0%  
2.0% Chelated Iron  
Derived from Iron EDTA

## ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Contains Beneficial Substances  
16.5% Silicon Dioxide (SiO<sub>2</sub>) from potassium silicate  
Density: 10.01 lbs. per gallon @ 68°F  
pH 6.5 ±0.5 @ 68°F

## GENERAL INFORMATION

OPTYSIL™ is formulated to supplement iron and silicon levels in agricultural crops and turf grasses. Increased levels help mitigate the negative effects of water deficiencies and/or high salinity. Beneficial effects of silicon in monocot plants include strengthening and promotion of upright stature, reducing lodging, favorable exposure of leaves to light, aiding in stress reduction such as drought stress, and improving tolerance to heat or cold stress.

## DIRECTIONS FOR USE

**Foliar Application:** OPTYSIL™ is easily translocated into the plant when applied in a foliar application with sufficient water to uniformly cover all foliage. The recommended time of application is during critical growth and development stages or applied every 10–14

days. For mitigation of drought effects, initiate applications before first symptoms of water deficiency appear then continue the treatments every 5 to 7 days for 2 to 3 applications.

Add OPTYSIL™ to spray tank that is 1/2 to 2/3 filled with water and has the agitator turned on. Add other products according to mixing instructions. Fill the sprayer with remaining water.

OPTYSIL™ is compatible with most agricultural chemicals and nutrients. OPTYSIL™ may be applied as a foliar spray or to the soil using ground equipment, or by aerial application, or through irrigation systems. OPTYSIL™ can be incorporated into most spray tank mixes with other fertilizer or pesticide applications. Follow all directions and precautions on pesticide labels prior to mixing with OPTYSIL™. A jar test is recommended to check for compatibility when new or unfamiliar tank mix combinations are used.

For best results the OPTYSIL™ solution should be used within a few hours of mixing into the spray tank.

Exercise caution with foliar applications during sun exposure, strong winds and weather conditions such as high temperatures and poor drying conditions that could limit product from moving inside the plant.

**AERIAL APPLICATION:** Minimum of 3 gallons of water/acre.

**DILUTE SPRAYS:** Minimum of 20 gallons of water/acre.

**Chemigation Application:** Apply via sprinklers or low pressure irrigation systems with irrigation water. Use back-flow prevention valve (check-valve) when injecting into irrigation systems.

**SPRINKLER CHEMIGATION:** Apply 1–3 quarts OPTYSIL™ per acre with the irrigation water. Apply with sufficient carrier to give complete coverage.

## SUGGESTED APPLICATION RATES

### PER ACRE

Application rates and timing may vary according to specific crop requirements, management objectives, soil nutrient availability, and/or environmental conditions. Recommended time of application is during critical growth and development stages or every 10–14 days.

**TREE, VINE AND FRUIT CROPS:** Apply at 6.4 oz/A on crops such as, but not limited to, apples, apricots, avocados, olives, pistachios, strawberries, almonds, cranberries, grapes, walnuts, pears, citrus fruits, cherries, peaches, plums, prunes, blueberries.

**FIELD CROPS:** Apply at 6.4 oz/A on crops such as, but not limited to, alfalfa, canola, cotton, flax, mint, clover, corn, hops, peanuts, soybeans, sugarcane, sunflowers, wheat, barley.

**VEGETABLE CROPS:** Apply at 6.4 oz/A on crops such as, but not limited to, beets, carrots, cucumbers, lettuce, onions, turnips, radishes, spinach, broccoli, cabbages, celery, brussels sprouts, peppers, tomatoes, potatoes, peas, lentils, beans.

**OTHER CROPS:** Apply as early in the growing season as possible, providing there is adequate leaf coverage.

**TURF GRASSES:** Apply at 6.4 oz./acre.

Consult your Certified Crop Advisor for the optimum application timing.


**STORAGE:** Store between 32°F and 86°F. During storage crystals may appear which dissolve in water while diluting. Crystallization does not affect the quality of the product or its properties. Keep containers tightly closed and in a vertical position.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-jr.com>

**⚠ WARNING:** Cancer and Reproductive Harm—  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## DISCLAIMER OF WARRANTIES

J.R. Simplot Company warrants that the composition of this product conforms to the description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use. This warranty is expressly in lieu of all other warranties and representations expressed, implied, or statutory, including warranties of merchantability and fitness for a particular use. Timing, rate and method of application, weather and crop conditions, and mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees that, in the event of damages resulting from, but not limited to, weather or soil conditions, presence of other materials, or failure to follow label directions, responsibility will be assumed by the buyer or user; and to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

Manufactured by  **INTERMAG**

## GUARANTEED BY

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In case of emergency call Chemtrec (800) 424-9300

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**Nutrient**

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