

ChelStar

14% Zinc Chelate

Zn



Fully Chelated Micronutrient for Plant Nutrition

CHM 15 258 032117

ChelStar 14% Zinc Chelate 6-0-0

GUARANTEED ANALYSIS

Total Nitrogen (N)	6.0%
6.0% Water-Soluble Nitrogen	
Zinc (Zn)	14.0%
14.0% Chelated Zinc	

Derived from zinc disodium ethylenediaminetetraacetate (ZnNa₂EDTA).

Precautionary Statements: This product is not classified as a hazardous substance based on currently available data. However, observe good industrial hygiene practices. Wash hands after handling.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children. Store away from incompatible materials. Dispose of contents/container in accordance with local authority regulations.

GENERAL INFORMATION:

ChelStar 14% Zinc Chelate is a fully chelated, water-soluble, powdered form of zinc EDTA useful for prevention and correction of zinc deficiency in crops. Soil application is the preferred application method to prevent zinc deficiency. Foliar application, however, will provide correction when a soil application is impractical.

SOIL APPLICATION DIRECTIONS:

ChelStar 14% Zinc Chelate may be used on all soil types. It should be dissolved in water or fluid fertilizer, or dry blended with water-soluble fertilizers for optimal delivery and coverage. For trees or individual plants, *ChelStar 14% Zinc Chelate* can be blended with an inert (such as soil or sand) or evenly sprinkled directly on the soil under the plant's drip line then watered in. Soil applications can also be made by dissolving in water and then mixing or metering into drip, sprinkler or furrow irrigation systems.

FOLIAR APPLICATION DIRECTIONS:

ChelStar 14% Zinc Chelate may be applied in water or in combination with most pesticides. Buffer the spray solution to a pH of 6 to 6.5 for best performance. Thorough coverage and the use of wetting agents often enhance nutrient uptake from foliar sprays. Application rates and dilution factors depend on crop sensitivity, the amount of foliage to be sprayed, and the application method. Avoid applying *ChelStar 14% Zinc Chelate* when plants are suffering from moisture stress. If in doubt, spray the solution on a small test area of crop or foliage to assess for phytotoxicity or adverse affects before general application.

AERIAL APPLICATION DIRECTIONS:

Apply 0.33 lb. of *ChelStar 14% Zinc Chelate* per acre in at least 10 gal. of water. For application timing and frequency, refer to the following foliar application recommendations.

CROP RECOMMENDATIONS – SOIL APPLICATION

VEGETABLE CROPS (including beans, peas, potatoes, sweet corn, tomatoes) and **FIELD CROPS** (including corn, dry beans, sorghum, sugar beets, sugarcane): Apply *ChelStar 14% Zinc Chelate* at 4 to 12 lbs. per acre.

TREE & VINE CROPS (including almond, apple, apricot, avocado, berry, cherry, citrus, grape, mango, olive, pear, peach, pistachio, plum, walnut): Apply *ChelStar 14% Zinc Chelate* at 4 to 15 lbs. per acre or 0.5 to 2 oz. per inch of tree diameter.

ORNAMENTAL SHRUBS & TREES (including azaleas, gardenias, junipers, pines, roses): Apply *ChelStar 14% Zinc Chelate* at 2 Tbsp. for small shrubs and up to 2 Tbsp. per inch of tree diameter for large trees and shrubs.

TURF: Apply *ChelStar 14% Zinc Chelate* at 0.5 lb. per 1,000 sq. ft. or 22 lbs. per acre.

Note: the rates provided above are based on broadcast application. If broadcast rates are used for spot or banded applications, phytotoxicity may result.

CROP RECOMMENDATIONS – FOLIAR APPLICATION

TREES (CITRUS) Apply *ChelStar 14% Zinc Chelate* at 1 to 2 lbs. per 100 gal. of cover spray any time except during bloom.

TREES & VINE CROPS (excluding citrus): Apply *ChelStar 14% Zinc Chelate* at 1 to 2 lbs. per acre in sufficient spray volume for thorough coverage (25 gal. minimum) at dormant/delayed dormant before bloom, then after full bloom at 2 to 3 week intervals as needed. NOTE: For smooth-skinned fruit (peach, pear, apple, etc.) apply 1 lb. per acre in 50 to 100 gal. of water.

VEGETABLE & FIELD CROPS: (ground equipment only): Apply *ChelStar 14% Zinc Chelate* at 0.33 to 1.33 lbs. per acre in sufficient spray volume for thorough coverage (25 gal. minimum).

TURF: Apply *ChelStar 14% Zinc Chelate* at 1 to 4 oz. per 1,000 sq. ft. in sufficient spray volume for thorough coverage. With growth regulators, apply 1 to 3 oz. per 1,000 sq. ft.

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

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

CONDITIONS OF SALE AND WARRANTY

Chemurgic Agricultural Chemicals, Inc. warrants that this product conforms to the chemical description on the label and is reasonably suited for the purposes stated when used as recommended under normal conditions.

Unintended consequences such as crop damage or poor performance may result from factors including, but not limited to, method of application, timing, crop and soil condition, weather, and other materials present, all of which are beyond the control of *Chemurgic Agricultural Chemicals, Inc.* and Seller.

Chemurgic Agricultural Chemicals, Inc. neither makes, nor authorizes any agent or representative to make any other warranties, expressed or implied, including fitness or merchantability.

Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material.

In no case shall *Chemurgic Agricultural Chemicals, Inc.* or the Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product.

The foregoing is a condition of sale by *Chemurgic Agricultural Chemicals, Inc.* and is accepted as such by the Buyer.

Manufactured for
CHEMURGIC

Chemurgic Agricultural Chemicals, Inc.
P.O. Box 2106 • Turlock, CA 95381

Net Weight: 25 Lbs (11.3 Kg)