



Super Zinc FL

1-0-0

Foliar Nutritional Liquid Flowable

A formulated product for the treatment of zinc deficiency by foliar or soil application.

GUARANTEED ANALYSIS

Total Nitrogen (N)	1.00%
1.00% Urea Nitrogen	
Zinc (Zn)	40.00%
Derived from urea and zinc oxide	
Chlorine (Cl), maximum	1.00%
Nutrient content per gallon: 5 lb. 13 oz. Zn	

KEEP OUT OF REACH OF CHILDREN WARNING

Very toxic to aquatic life
May be harmful if swallowed. May be harmful in contact with skin. May be harmful if inhaled.
Causes mild skin irritation. Causes serious eye irritation

See Inside Panel for Additional Precautionary Statements



YSN 031715

NET CONTENTS: 2.5 Gallons (9.46 L)

WT. PER GAL.: 14.47 lbs. (6.56 kg)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

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

Contents Made In Great Britain

**F224
Manufactured For**

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017 • (901) 761-0050

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING

WLUS4291

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

Very toxic to aquatic life. May be harmful if swallowed. May be harmful in contact with skin. May be harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation. Collect spillage. Particles in suspension, entry into eyes may cause irritation. Avoid skin and eye contact. Avoid contact with formulated product. Do not take internally. Avoid contact with or inhalation of the spray mist. Do not apply in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling.

Personal Protective Equipment (PPE): Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

FIRST AID	
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a POISON CENTER or doctor for treatment advice.
IF ON SKIN OR HAIR:	Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
IF SWALLOWED:	Call a POISON CENTER or doctor immediately. Rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

STORAGE AND DISPOSAL

Store in original container protected from direct sunlight in a cool, dry chemical store, out of reach of children and livestock. Protect from frost. Keep container tightly closed. Do not allow water to be introduced to the contents of this container. Store at temperatures above 32°F. Do not contaminate water sources by cleaning of equipment or disposal of spray waste. Dispose of empty containers by triple rinsing with detergent solution or puncture and discard empty containers in a landfill in accordance with current local, state and federal regulations.

GENERAL INFORMATION

SUPER ZINC FL is a formulated treatment for zinc deficiencies in a wide range of crops. This product is recommended for use as a supplement to a well-balanced fertilizer program only. This product may be applied using a variety of agricultural application equipment and techniques. It is not intended nor implied to be a substitute for sound soil fertilization and good conventional cultural practices. Thorough coverage of foliage is necessary for best results.

For additional information on product or programs or if you are unfamiliar with any of the application methods, contact your local Helena representative or authorized Helena dealer.

Avoid application under extremes of climate, e.g. rapid drying conditions, extremely slow drying conditions, frost, rain, or when frost or rain are anticipated.

DIRECTIONS FOR USE

Shake the container thoroughly before use.

FERTILIZER IMPREGNATION

Maybe coated onto dry fertilizer granules.

WARNING: This product must not be used with straight ammonium nitrate fertilizer, or any other fertilizer product classified as an oxidizing agent-Class 5.1 material. For further advice, please consult your Helena representative.

SOIL APPLICATION

All Crops: 3 pints to 4 quarts/acre, applied pre-planting or pre-emergence. Water rate: 5 gallons/acre.

FOLIAR DOSE RATE AND TIMINGS

Alfalfa: 1-1/2 pints/acre at dormancy break. Repeat after every cut when re-growth has occurred, if necessary. Water rate: 3 to 20 gallons/acre.

Apples: 1 pint/acre at bud burst to 1/2 inch green tip. Apply again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.

Avocados: 1 to 2 pints/acre during spring flush and again during summer flush. Water rate: 3 to 100 gallons/acre.

Beans: 1/2 to 1 pint/acre when crop is 2 to 6 inches tall. Water rate: 3 to 20 gallons/acre.

Blueberries (high bush only): Apply 1 pint/acre just before onset of leaf drop. Repeat the application at bud separation the following fruiting season. Water rate: 20 gallons/acre.

Brassicas: 1 pint/acre at the 9 leaf stage. Water rate: 3 to 20 gallons/acre.

Canola: 1 pint to 1 quart/acre at the 4 to 9 leaf stage. Water rate: 3 to 20 gallons/acre.

Carrots: 1 pint/acre when crop is 6 inches tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.

Celery (field grown): 1 pint/acre at the 4 to 6 leaf stage. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.

Cereals (Barley, Oats, Wheat): 1 pint/acre from 2 leaf stage to first node detectable (Zadock's G.S 12 to 31). Water rate: 5 to 20 gallons/acre.

Citrus: 1/2 to 1 quart/acre pre-bloom and during autumn flush. Water rate: 50 to 100 gallons/acre.

Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Calabrese, Cauliflower): 1 pint/acre at the 4 to 9 leaf stage. Water rate: 3 to 20 gallons/acre.

Corn: 1 pint/acre from 3 to 8 leaf stage. For severe deficiency, repeat applications should be made at the above rate at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.

Cotton: 1 pint/acre 3 to 4 weeks after emergence. Repeat as required with 10 to 14 days between treatments. Water rate: 5 to 15 gallons/acre.

Cranberries: 1 pint/acre at bud break and post-harvest. Water rate: 50 gallons/acre.

Cucurbits (field grown): 1 pint/acre at the 2 to 4 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 5 to 20 gallons/acre.

Ginseng: 2 applications of 1 to 2 pints/acre at early spring regrowth and prior to senescence. Water rate: 50 gallons/acre.

Grapevines: 1 pint/acre applied at flower buds visible and again at flower buds separated or at fruit set. Water rate: 20 to 100 gallons/acre.

Lettuce (field grown): 1 pint/acre when crop is 6 inches tall. Repeat application at 10–14 day intervals if necessary. Water rate: 20 gallons/acre.

Linseed: 1/2 to 1 pint/acre applied when the crop is 1 to 6 inches tall. Water rate: 3 to 20 gallons/acre.

Melons (field grown): 1 pint/acre at the 2 to 4 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 20 gallons/acre.

Nectarines: 1 pint to 1 quart/acre applied at winter bud or pink bud and again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.

Nursery stock/Ornamentals: 5 pints in 100 gallons water (0.625% v/v) as soon as there is sufficient leaf area to intercept a spray. Repeat at 10 to 14 day intervals as necessary. Avoid application during flowering. Spray a maximum of three applications per crop per annum. **Note: Do not apply within one month of picking/marketing.** Maximum water rate: 10 to 20 gallons/acre.

Nuts (deciduous): 1 quart/acre applied during dormancy or early bud burst and again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.

Onions: 1 pint/acre when sufficient leaf area to intercept spray. Water rate: 3 to 20 gallons/acre.

Peanuts: 1/2 to 1 pint/acre at the 4 to 6 leaf stage. Water rate: 5 to 20 gallons/acre.

Peas: 1 pint to 1 quart/acre at bud burst. For moderate to severe deficiency repeat application at the same rate at a 10 to 14 day interval. Avoid flowering. Apply again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.

Peas: 1 pint/acre when crop is 2 to 6 inches tall. Water rate: 3 to 20 gallons/acre.

Peppers (field grown): 1 pint/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary. **Note: Final application to be made at least one month before harvest.** Water rate: 50 gallons/acre.

Potatoes: 1 pint/acre one week after 100% emergence. For moderate to severe deficiency, repeat applications may be necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.

Raspberries: 1/2 pint/acre at green bud. Water rate: 20 to 50 gallons/acre.

Rice: 1 pint/acre applied at start of tillering and again at panicle initiation. Water rate: 5 gallons/acre.

Sorghum: 1 pint/acre from 3 to 8 leaf stage. For severe deficiency repeat applications should be made at the above rate of 10 to 14 day intervals. Water rate 3 to 20 gallons/acre.

Soybeans: 1/2 to 1 pint/acre when crop is 2 to 6 inches tall. Water rate: 3 to 20 gallons/acre.

Stone Fruit (Apricots, Cherries, Nectarines, Peaches, Plums): 1 pint to 1 quart/acre applied at winter bud or pink bud and again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.

Strawberries (field grown): One application of 1/2 pint/acre at green bud followed by two applications of 1/4 pint/acre applied at white bud and post-harvest regrowth. Water rate: 3 to 50 gallons/acre.

Sugar Beets: 1 pint/acre at 4 to 6 leaf stage. For moderate to severe deficiency, repeat applications should be made at the above rate at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.

Sugar Cane: 1 pint/acre when plants are 2 to 4 feet tall. Repeat applications may be necessary. Water rate: 3 to 35 gallons/acre.

Sunflowers: 1 pint/acre from the 2 pairs of leaves stage. Water rate: 5 to 20 gallons/acre.

Sweet Potato: 1 pint/acre one week after 100% emergence or transplanting. Also, apply at the same rate following recommendation from analysis. Water rate: 20 gallons/acre.

Tobacco: 1 pint/acre two to three weeks after transplanting (3 to 4 leaf stage). Repeat 10 days later if necessary. Water rate: 3 to 50 gallons/acre.

Tomato (field grown): 1 pint/acre when plants are at 4 to 6 leaf stage. Water rate: 3 to 50 gallons/acre.

Turf: 0.4 fl. oz./1000 sq. ft. as soon as growth commences in the spring and/or following identification of need by analysis. Repeat at 10 to 14 day intervals as necessary. Water rate: 0.5 gallons/1000 sq. ft.

DO NOT APPLY NEAR WATER, STORM DRAINS, OR DRAINAGE DITCHES. DO NOT APPLY IF HEAVY RAIN IS EXPECTED. APPLY THIS PRODUCT ONLY TO YOUR LAWN/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

Watermelon (field grown): 0.5 pints/acre. Three applications at 15, 30 and 45 days after germination. Water rate: 3 to 40 gallons/acre.

Zucchini (field grown): 1 pint/acre at the 2 to 4 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 5 to 20 gallons/acre.

TANK MIXING/CO-APPLICATION

Read ALL labels carefully and adhere strictly to the instructions for use and advice regarding whether or not product(s) should be co-applied. Many variables can influence the performance of co-applied products and therefore co-application is entirely at the risk of the end-user. It is strongly recommended that a limited application is made initially when using unfamiliar product mixes. Before co-application of products you, or your advisor, must visit www.tankmix.com/element for important information or do a jar test.

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

This label is believed to be reliable and must be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the “Company”) or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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