

ELE-MAX

PRECISION NUTRITION[®]

Copper FL

4-0-0

Foliar Nutritional Liquid Flowable

A formulated product for the treatment of copper deficiency by foliar application.

GUARANTEED ANALYSIS

Total Nitrogen (N)	4.00%
4.00% Urea Nitrogen	
Copper (Cu)	33.00%

Derived from urea and copper oxide
Nutrient content per gallon: 4 lb. 3 oz. Copper (Cu)

KEEP OUT OF REACH OF CHILDREN

WARNING

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



WT. PER GAL: 12.4 lbs. (5.65 kg)
NET CONTENTS: □ 2.5 gal (9.46 L)
 □ 250 gal. (946.35 L)

YSN 052015

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, TN 38017
901-761-0050

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.

Harmful if swallowed. May be harmful in contact with skin. Causes serious eye irritation. Causes mild skin irritation. May be harmful if inhaled. Very toxic to aquatic life with long lasting effects. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present Do not apply this product 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. Not for human or animal consumption.

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:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> Call a POISON CENTER or doctor immediately. Rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor.

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

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children.
CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinse water to spray tank. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.
For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

GENERAL INFORMATION

Ele-Max[®] Copper FL 4-0-0 is a formulated product for the treatment of copper deficiency by foliar or soil application. When used at standard application and dilution rates, Ele-Max[®] Copper FL 4-0-0 is compatible with a wide range of agrichemicals. This product may be applied using a variety of agricultural application equipment and techniques. This product is recommended for use as a supplement to a regular fertilizer program only. It is not intended nor implied to be a substitute for sound soil fertilization and good conventional cultural practices.
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. Clean all equipment before and after use.

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.

FOLIAR DOSE RATE AND TIMINGS

Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops. The following table is a guide for the use of Ele-Max[®] Copper FL 4-0-0 as a plant nutrient. Rates and frequency of application will depend on individual management programs. Use of Ele-Max[®] Copper FL 4-0-0 on any crops not listed on this table must be as a result of recommendations from your local agricultural authority.

RECOMMENDED CROPS⁽¹⁾ and RATES⁽²⁾

Alfalfa: 0.5 pint/acre applied at start of tillering. Water rate: 20 gallons/acre
Apple: 0.5 pints/acre applied after harvest before leaf fall. Water rate: 50 gallons/acre.

Disclaimer: Always refer to the label on the product before using Helena or any other product.

Apricot: 0.5 pint/acre applied after harvest before leaf fall. Water rate: 100 gallons/acre.
Avocado: ½ pint per acre applied to flush of new growth prior to flowering. Water rate: 50 gallons per acre.
Beans: 0.25 to 0.5 pint/acre at the 4 to 6 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 3 to 20 gallons/acre.
Carrot⁽¹⁾: ½ pint/acre when crop is 6" tall. For moderate to severe deficiency, repeat the application once or twice at 10 to 14 day intervals. Water rate: 20 gallons/acre.
Celery⁽¹⁾: 0.5 pint/acre at the 4 to 6 leaf stage. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.
Cereals: ½ pint/acre from 2 leaf stage to second node detectable (Zadok's G.S. 12 to 32). For fall-planted crops, an application prior to winter dormancy is strongly recommended. For moderate to severe deficiency, repeat the application once or twice at 10 to 14 day intervals. Water rate: 20 gallons/acre.
Cherry: 0.25 to 0.5 pint/acre after harvest (before leaf fall). Water rate: 100 gallons/acre.
Chicory (Field Grown): ½ pint per acre at the 4 to 6 leaf stage. Repeat if necessary at 10 to 14 day intervals. Water rate: 20 gallons per acre.
Citrus: ½ pint per acre applied to both spring and autumn flushes. Water rate: 100 gallons per acre.
Conifers: 2 applications of ½ pint/acre once there is new season leaf production and again in early autumn. Water rate: 50 to 100 gallons/acre.
Corn⁽¹⁾: ½ pint/acre at 4 to 6 leaf stage. Water rate: 20 gallons/acre.
Cotton: 0.25 pint/acre applied at the 4 to 6 leaf stage, at squaring and post-flowering as necessary. Water rate: 20 gallons/acre (2 to 5 gallons/acre for aerial application).
Garlic: ½ pint/acre two weeks after transplanting, or in the case of direct sown crops, when the crop is 6 inches tall. Repeat applications at 10 to 14 day intervals. Water rate: 7.5 to 20 gallons/acre.
Grapevines: ½ pint per acre before flower buds visible stage. Water rate: 50 gallons per acre.
Lettuce⁽¹⁾ (Field Grown): 0.25 to 0.5 pint/acre at 10 to 14 days after transplanting or emergence. Water rate: 20 gallons/acre.
Melon, Watermelon, Chili, Pepper (All Field Grown): ½ pint per acre at the 4 to 6 leaf stage. Water rate: 20 gallons per acre.
Nectarines: 0.25 to 0.5 pint/acre applied after harvest before leaf fall. Water rate: 100 gallons/acre.
Nursery/Ornamentals: One pint in 100 gallons water (0.125% v/v) as soon as there is sufficient leaf area to intercept a spray. Repeat at 10 to 14 day intervals as necessary. Avoid applications 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: 20 gallons/acre.
Nuts (Deciduous): 0.25 to 0.5 pint/acre at bud burst in spring. Also, 0.25 to 0.5 pint/acre after harvest before leaf senescence. Water rate: 50 gallons/acre minimum.
Oilseed Rape: 0.25 pint/acre at the 4 to 8 leaf stage. Water rate: 20 gallons/acre.
Olive: Spray at 1 to 2 pints per acre. Two to three sprays per year between spring and end of autumn. To be applied when problem is apparent. Ten to 14 days between applications. Water rate: 100 gallons per acre.
Onions⁽¹⁾: ½ pint/acre two weeks after transplanting, or in the case of direct sown crops, when the crop is 6" tall. For moderate to severe deficiency, repeat the application once or twice at 10 to 14 day intervals. Water rate: 20 gallons/acre.
Parsnip: ½ pint per acre when crop is 6 inches tall. For moderate to severe deficiency, repeat applications at 10 to 14 day intervals (3 applications maximum). Water rate: 20 gallons per acre.
Peach: 0.25 to 0.5 pint/acre applied after harvest before leaf fall. Water rate: 100 gallons/acre.
Peanuts: 0.25 to 0.5 pint/acre at the 4 to 6 leaf stage. Water rate: 20 gallons/acre.
Peas: ¼ pint per acre when crop is 4 to 6 inches tall. Water rate: 20 gallons per acre.
Pepper (Field Grown): 0.25 to 0.5 pint/acre 35 days after transplanting (4 to 6 leaf stage). Water rate: 20 gallons/acre.
Plum: 0.25 to 0.5 pint/acre applied after harvest before leaf fall. Water rate: 100 gallons/acre.
Potatoes: 0.5 pint/acre applied 7 to 14 days after 100% emergence. Water rate: 20 gallons/acre
Red Beet⁽¹⁾: ½ pint per acre at the 4 to 6 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20 gallons per acre.
Rice: ½ pint/acre applied at start of tillering. Water rate: 20 gallons/acre.
Small Grain Crops: ½ pint per acre from 2 leaf stage to second node detectable (Zadok's G.S. 12 to 32). For fall-planted crops, an application prior to winter dormancy is strongly recommended. For moderate to severe deficiency, repeat the application once or twice at 10 to 14 day intervals. Water rate: 20 gallons per acre.
Sorghum: ½ pint/acre at the 4 to 8 leaf stage. Water rate: 3 to 20 gallons/acre.
Soybeans: 0.25-0.5 pints/acre from the 4 to 6 leaf stage. Water rate: 3 to 20 gallons/acre.
Strawberry (Field Grown): ½ pint per acre applied early in the season before the start of flowering. Water rate: 20 gallons per acre.

Sweet Corn: ½ pint/acre at 4 to 6 leaf stage. Water rate: 20 gallons/acre.
Sweet Potato: ½ pint per acre one week after 100% emergence or transplanting. Also, apply at the same rate following recommendation from analysis. Water rate: 20 gallons per acre.
Tomato⁽¹⁾ (Field Grown): 0.25 to 0.5 pint/acre at the 4 to 6 leaf stage, (or 35 days after transplanting). Water rate: 20 gallons/acre.
Turf: 0.2 fl. oz./1000 sq. ft. as soon as growth commences in spring. Repeat sprays at 10 to 14 day intervals as necessary. Water rate: 0.5 gallons/1000 sq. ft.
All Crops Soil Application: 2 quarts/acre to 1 gallon/acre, applied pre-planting or pre-emergence. Water rate: 5 gallons/acre minimum

Note (1) FOR USE IN WISCONSIN: Ele-Max[®] Copper FL 4-0-0 can be applied to these crops commonly grown in Wisconsin and requiring a medium to high level of copper. Copper deficiency has not been observed on any field or vegetable crops in Wisconsin except those grown in acid muck soils. This product is only recommended for foliar application in Wisconsin.

Note (2) Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.

METHOD OF USE-FOLIAR APPLICATION

Shake the container thoroughly before use. Pour through the top filter into the tank three-quarters filled with water while agitating. Fill to top with water and continue to agitate until spraying is completed.

CAUTION: DO NOT use if pH of spray mixture is less than 6.0 pH.

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/elemax 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 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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