



**AN INORGANIC LIQUID NUTRIENT FOR FOLIAR FEEDING OF PLANTS**

**11-8-5**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .....	11.00%
2.40% Ammoniacal Nitrogen	
8.60% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	8.00%
Soluble Potash (K <sub>2</sub> O) .....	5.00%
Boron (B) .....	0.02%
Cobalt (Co) .....	0.0005%
Copper (Cu) .....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe) .....	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo) .....	0.0005%
Zinc (Zn) .....	0.05%
0.05% Chelated Zinc (Zn)	

Derived from potassium hydroxide, ammonium phosphate, urea, sodium tetraborate, cobalt sulfate, ammonium molybdate, iron EDTA, copper EDTA, manganese EDTA and zinc EDTA.

The chelating agent is EDTA (ethylenediaminetetraacetic acid).

Contains 2.45 lbs. of plant nutrients per gallon.

Chlorine (Cl), Maximum .....

1.00%

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

- May be harmful if swallowed
- May be harmful in contact with skin
- Causes eye irritation
- Causes mild skin irritation
- May be harmful if inhaled
- May cause an allergic skin reaction



WT. PER GAL: 10.13 lbs. (4.59 kg) SN 0415/0815G

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>

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.**

May be harmful if swallowed. May be harmful in contact with skin. Causes eye irritation. Causes mild skin irritation. May be harmful if inhaled. May cause an allergic skin reaction. Keep product locked up and out of the reach of children. Wash thoroughly with

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

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. Do not smoke, drink, or eat while using this product. Take off any contaminated clothing and wash before reuse.

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a POISON CENTER or doctor immediately.</li> <li>• Rinse mouth. Do NOT induce vomiting.</li> <li>• Do not give anything by mouth to an unconscious person.</li> <li>• Immediately call a POISON CENTER or doctor.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell.</li> <li>• If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a POISON CENTER or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR HAIR:</b>	<ul style="list-style-type: none"> <li>• Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>• Get medical attention if irritation develops or persists.</li> <li>• Wash contaminated clothing before reuse.</li> </ul>
<b>HOT LINE NUMBER</b>	
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](http://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.

**WARNING:** Contains **Boron** and **Molybdenum**. Do not use on plants sensitive to **Boron**. Forage crops high in **Molybdenum** may be toxic to grazing ruminant animals. 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.

**ELE-MAX® NUTRIENT CONCENTRATE** is a normal liquid plant nutrient that provides plants with many of the necessary elements required for growth. It provides trace elements and plant nutrients which improves the general plant condition and is a valuable supplement to soil fertilizer programs, particularly where there are adverse conditions for the uptake of primary nutrients from the soil.

In Virginia, this lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf.

**PHYSICAL PROPERTIES**

**pH Value:** 5.0-6.0 in undiluted material. 6.7 in 0.2% aqueous solution.

**Temperature Sensitivity:** Unaffected down to 5°C or 41°F. Lower temperature will result in partial crystallization but the product will reconstitute above 5°C or 41°F.

**Compatibility:** **ELE-MAX® NUTRIENT CONCENTRATE** is compatible with most fungicides, insecticides and herbicides, some exceptions are alkaline mixtures like lime sulfur.

## RECOMMENDATIONS

**ELE-MAX® NUTRIENT CONCENTRATE** may be applied to many crops (including row crops) since all plants are capable of absorbing nutrients through the leaves. The use of **ELE-MAX® NUTRIENT CONCENTRATE** for foliar feeding is particularly advantageous on crops that have fast and heavy foliar growth, including vegetable plants, potatoes, sugar beets, grapes, hops, cotton, citrus fruits, coffee, tobacco, etc. The application of **ELE-MAX® NUTRIENT CONCENTRATE** is also recommended in combination with herbicidal sprays in many cereals and row crops.

## SUGGESTED DIRECTIONS

**ELE-MAX® NUTRIENT CONCENTRATE** should be used in all crop protection sprays with minimum volumes of 5 gallons/A by ground and 2 gallons/A by air; however, the concentration of **ELE-MAX® NUTRIENT CONCENTRATE** should not exceed 1 quart in 5 gallons of solution (5 percent by volume).

The following table is a guide for the use of **ELE-MAX® NUTRIENT CONCENTRATE** as a plant nutrient. Rates and frequency of application will depend on individual management programs. Use of **ELE-MAX® NUTRIENT CONCENTRATE** on any crops not listed on this table must be as a result of recommendations from your local agricultural authority.

Crop	Suggested Rate <sup>(1)</sup>	
	Quart/Acre	Remarks
Alfalfa <sup>(2)</sup>	1-2	Apply after each cutting for hay. On seed alfalfa, make 4 applications.
All Fruit and Nut Trees	2	Apply with pre- and post-blossom crop protection sprays.
Apples, Peaches, Pears	2-3	Apply with crop protection sprays. Include in each application of the summer spray program.
Beans <sup>(2)</sup> , Peas <sup>(2)</sup> , Corn <sup>(2)</sup> , Rye, Safflower, Barley <sup>(2)</sup> , Sorghum, Oats and Wheat <sup>(2)</sup>	1-2	Apply with crop protection sprays or at 7- to 10-day intervals. Begin 3 weeks after emergence.
Bush Fruit, Boysenberries, etc.	1-2	Apply with crop protection sprays.
Cabbage <sup>(2)</sup> , Cauliflower <sup>(2)</sup> , Kale, Brussels Sprouts <sup>(2)</sup> , Spinach <sup>(2)</sup> , Turnips, Broccoli <sup>(2)</sup> , etc.	1-2	Apply at 7- to 10-day intervals. A minimum of 4 applications recommended.
Cantaloupes <sup>(2)</sup>	2	Apply once per week throughout the growing season.
Carrots <sup>(2)</sup> , Parsley, Artichokes	1-3	Frequency of application depends on prevailing weather conditions and amount of growth desired. Do not use more than 1 quart per 10 gallons of spray.
Celery <sup>(2)</sup> , Lettuce <sup>(2)</sup> , Endive, Chinese Cabbage, etc.	1	Begin applications as soon as 3rd and 4th leaves begin to form. Apply at 7- to 10-day intervals.
Citrus, Avocados <sup>(2)</sup>	1-6	Apply with crop protection sprays.
Cotton	1 pt.-1 qt.	Apply any time prior to first bloom for quicker recovery from stress conditions.
Cucumbers <sup>(2)</sup>	4	Apply 2-3 weeks before first bloom and 14 days later.
Grapes, Table, Wine, Raisin & Juice	½ gal. per acre	At 6-inch shoot stage, and at prebloom stage of growth. Sequential applications as needed.
Hops	2-3	Apply when vines are halfway to wire. Repeat in two weeks.
Mints	2-3	Apply with crop protection sprays.
Muskmelon <sup>(2)</sup>	4	Apply 2-3 weeks before

		first bloom and 10-14 days later.
Onions (field grown)	1-2	Apply at 6 leaf stage. Repeat if necessary 10- to 14-days later. Also, may apply 2 quarts/acre at bulb swelling, repeated once or twice at 10- to 14-day intervals.
Peanuts	1-3	Apply with crop protection sprays.
Potatoes <sup>(2)</sup> and Peppers	1-2	Apply with crop protection sprays or at 7- to 10-day intervals. Begin 3 weeks after emergence.
Rice	1-2	Apply at Panicle Initiation or early booting. Do not apply at both growth stages as a reduction in yield may occur.
Squash, Melons <sup>(2)</sup> , Pumpkins	2-4	Apply 2-3 weeks before first bloom and 10-14 days later.
Soybeans <sup>(2)</sup>	1-3	Anytime during the growing season for faster recovery from stress conditions. Apply with crop protection sprays.
Sugar Beets <sup>(2)</sup>	1-2	2-3 applications have shown marked increases in beet and sugar yields.
Tobacco <sup>(2)</sup> for Transplanting	4	Apply in transplant water.
Tobacco <sup>(2)</sup> for beds	1	Water beds in usual manner. Frequency of application depends upon amount of color and growth desired.
Tobacco <sup>(2)</sup>	1-2	Apply with crop protection sprays.
Tomatoes <sup>(2)</sup> , Canning	1-2	20 gallons water at first fruit set, 1" fruit and first color.
Tomatoes <sup>(2)</sup> , Fresh	1	Apply with crop protection sprays or at 7- to 10-day intervals. Begin 3 weeks after emergence.
Transplanting (except tobacco)	2-4	Apply in transplant water. Do not apply to crops before or during cotyledon stage.
General Use	1 qt. per 100 gals. or 1-3 qts. per acre	Apply to crops and ornamentals in regular crop protection spray programs. Monthly applications of <b>ELE-MAX® NUTRIENT CONCENTRATE</b> to plants are highly beneficial.

**Note** <sup>(1)</sup>: 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.

**Note** <sup>(2)</sup>: **FOR USE IN WISCONSIN: ELE-MAX® NUTRIENT CONCENTRATE** can be applied to these crops commonly grown in Wisconsin and requiring a medium to high level of one or more of the following: boron, copper, manganese, molybdenum and/or zinc.

**NURSERY & GREENHOUSE:** Use 1 quart per 100 gallons of water on plants, flowers, shrubs and trees for direct spray to foliage and for transplanting work. For preparing transplant slurry add 2 ounces per 3 gallon bucket of puddled soil. **NOTE:** In a sprinkler system, use 1 pint per 100 gallons or more of water every 2-3 weeks or 4 ounces per 100 gallons or more of water 2-3 times a week per 400 sq. ft. of area. Do not apply prior to 21 days after planting.

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**COMMERCIAL TURF AREAS:** For Kentucky and Merion Blue, Bent, Bermuda and Zoysia grasses. The type of grass, color and rate of growth will dictate rate and frequency of application. For golf course applications, 7 oz. per 1,000 sq. ft. equals 1/16 lb. of Nitrogen; 14 oz. per 1,000 sq. ft. equals 1/8 lb. of Nitrogen.

**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.**

**ELE-MAX® NUTRIENT CONCENTRATE** can be combined with fungicides and/or soil insect treatments (see Compatibility). Apply 1 qt. in 100 gallons of water per 5,000 sq. ft. or 6 oz. in 10 gallons per 1,000 sq. ft. Apply monthly starting February or March. More frequent applications for desirable color and growth, especially on Bermuda and Zoysia grasses. Apply with watering can, hose proportioner or sprayer.

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**CONDITIONS OF SALE—LIMITED WARRANTY  
AND LIMITATIONS OF LIABILITY AND REMEDIES**

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**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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