



**5-0-0**

**Foliar Nutritional**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) ..... 5.00%  
5.00% Urea Nitrogen

Derived from urea and kelp extracts (*Ascophyllum nodosum*).

**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

**KEEP FROM FREEZING**

NET CONTENTS:  2.5 gals. (9.46 L) SN 0216/0816G  
 250 gals. (946.25 L)  
 275 gals. (1040.99 L)  
 Bulk:

WEIGHT PER GAL.: 8.7 lbs. (3.95 kg) NET WEIGHT: 21.75 lbs. (9.87 kg)

Formulated with 

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. 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**

<b>IF SWALLOWED:</b>	Wash out mouth with water. Do not give anything to drink. Obtain medical attention.
<b>IF IN EYES:</b>	Flush eyes with water for at least 15 minutes while holding the eyelids open. If irritation develops, seek medical attention.
<b>IF ON SKIN:</b>	Remove contaminated clothing. Wash affected area with soap

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

	and water. If irritation develops, seek medical attention.
<b>IF INHALED:</b>	Move to fresh air. If irritation persists, seek medical attention.
If there is contact made with the spray solution containing pesticides and/or spray adjuvants, follow the "Statement for Practical Treatment/First Aid" on the product(s) labeling.	

**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.

**GENERAL INFORMATION**

Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by crops or other intended plants. UTILIZE® is a liquid foliar formulation of urea nitrogen combined with GOEMAR®.

**COMPATIBILITY**

UTILIZE® is compatible with most fungicides and insecticides, provided they are used in accordance with the registered label directions. Some compatibility problems may occur with alkaline mixtures (lime sulfur) and with spreader stickers containing ethanol. When there is a question of compatibility prior to charging the spray tank, use the "jar compatibility test" in the following manner: Add 30 fl. oz. (20 parts) water to a glass jar with at least one quart capacity, then add 1.5 fl. oz. (1/3 part) of the products to be tank mixed. Shake well and allow to stand for at least 5 minutes. Observe to determine if any flocculation, precipitation, or unusual settling out occurs. If flocculation, precipitation, or other incompatible properties, etc. occur, do not tank mix UTILIZE® with this product. Select another product with suitable compatibility properties.

**DIRECTIONS FOR USE**

**SHAKE CONTAINER WELL**, add UTILIZE® to partially filled spray tank by pouring through sieve or strainer. Wash any residual UTILIZE® through sieve or strainer with remaining water. All other spray materials should be added prior to UTILIZE®.

UTILIZE® may be applied diluted for conventional ground foliar applications (50-500 gallons of water per acre) or at high concentrations for ground low volume or aerial applications (1 to 20 gallons of water per acre).

In the case of very alkaline spray water (pH 7.5 to 8.0), it is strongly recommended to use an acidifying or buffering agent to lower the pH of the mixture down to 6.5-7.0.

**CROP RATE RECOMMENDATIONS**

**FIELD CROPS**

**ALFALFA:** 8 ounces/acre. 1) At dormancy break stage when sufficient re-growth is present; 2) Re-apply after each cutting when re-growth is present.

**COTTON:** 8 ounces/acre. One application: 1) Early to mid-bloom

**CEREAL CROPS:** 5-8 ounces/acre at reproductive growth stages

**CORN:** 5-8 ounces/acre VT to R2 growth stage

**PEANUTS:** 8 ounces/acre. Two applications: 1) Early bloom to pegging; 2) 10-14 days after

**GRAIN SORGHUM:** 8 ounces/acre. One application during pre-boot to late boot stage.

**OIL SEED CROPS**

**SOYBEANS:** 8 ounces/acre. One application at bloom (R1-R5)

**CANOLA:** 8 ounces/acre. One application at stem elongation

**FLAX:** 8 ounces/acre. One application at onset of flowering

**CAMELINA:** 8 ounces/acre. One application at budding

**MUSTARD:** 8 ounces/acre. One application at early bloom

**SUNFLOWERS:** 10 ounces/acre. One application: 1) 3 pairs of true leaves to flower bud appearance

**VEGETABLE CROPS**

**SWEET POTATOES:** 12 ounces/acre. Two applications: 1) 100% sprouting; 2) 15 days after first treatment

**SUGAR BEETS:** 12 ounces/acre. Two applications: 1) 8- to 10-leaf stage; 2) 15 days after first treatment

**POTATOES:** 12 ounces/acre. Two applications: 1) 100% sprouting; 2) 15 days after first treatment

**FRUITING VEGETABLES:** 12 ounces/acre. Use as needed during the growing season.

#### TOMATOES, PEPPERS, CUCURBITS AND OTHER FRUITING VEGETABLES

(including Okra): 12 ounces/acre. Three applications: 1) At first flower;  
2) 7-14 days later; 3) 7-14 days later

SNAP BEANS, PEAS AND OTHER LEGUMES: 12 ounces/acre. Two applications:

1) At first bloom; 2) At first pod

#### FRUIT CROPS

APPLES & PEARS: 12 ounces/acre. Three applications: 1) Pre-bloom; 2) Early king bloom (for apples)/bloom (for pears); 3) Post-bloom (petal fall – fruit set)

BLUEBERRY, CRANBERRY, & CANE BERRY: 8 ounces/acre. Four applications: 1) Swollen bud; 2) First bloom; 3) Full bloom; 4) Petal fall

STONE FRUITS (Peaches, Nectarines, Apricots, Plums): 12 ounces/acre. Three applications 1) Early bloom; 2) Petal fall; 3) 10-20 days later (dependent upon variety)

GRAPES (Raisin, Table and Wine): 8 ounces/acre. Three applications: 1) 12- to 18-inch shoot growth; 2) At bloom stage; 3) After fruit set

GRAPES (Concord, Niagara and other American cultivars): 8 ounces/acre. Two applications: 1) Early bloom; 2) Full bloom

CHERRIES: 16 ounces/acre. Three applications: 1) At first white flower; 2) At petal fall; 3) At shuck fall

CITRUS: 10-12 ounces/acre. As needed during the growing season.

STRAWBERRIES: 8 ounces/acre/application. 1) Within 14 days of transplant; 2) 7-14 days later; 3) Subsequent applications: Every 7-14 days thereafter.

#### TURF AND ORNAMENTAL USES

TURF – ALL WARM- AND COOL-SEASON GRASS SPECIES: Use 8 ounces/acre per month in single application. Water volume: Apply in a minimum of 50 gallons of water per acre by ground. Do not apply through irrigation systems.

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.

ORNAMENTALS – LANDSCAPE OR PRODUCTION ORNAMENTALS: Use 10 ounces per 100 gallons of water foliar applied. Apply on a monthly basis for overall plant maintenance.

ROOT DIP: Mix up to a 1-1.5% v/v (1-1.5 gallons per 100 gallons of water) solution of UTILIZE® for bare root dip solution. Do not exceed this rate.

#### 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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