



HEP 45 4-0-0

CHELATED MICRONUTRIENTS AND ALPHA KETO ACIDS

GUARANTEED ANALYSIS:

Total Nitrogen (N)	4.00%
4.00% Nitrate Nitrogen	
Iron (Fe)	0.50%
0.50% Chelated Iron (Fe)	
Manganese (Mn)	4.00%
4.00% Water Soluble Manganese (Mn)	
Zinc (Zn)	4.00%
4.00% Water Soluble Zinc (Zn)	

Derived from iron glucoheptonate, manganese nitrate and zinc nitrate.
The chelating agent is glucoheptonate.

KEEP OUT OF REACH OF CHILDREN

DANGER

May be harmful if swallowed
May be harmful in contact with skin
Causes severe skin burns and eye damage
May be harmful if inhaled
May cause respiratory irritation
May intensify fire; oxidizer



NET CONTENTS:

SN 0212/0317G

- | | |
|---|---|
| <input type="checkbox"/> 2.5 gal. (9.46 L)
Net Wt: 26.50 lbs. (12.02 kg) | <input type="checkbox"/> 55 gal. (208.18 L)
Net Wt: 583.00 lbs. (264.44 kg) |
| <input type="checkbox"/> 5 gal. (18.92 L)
Net Wt: 53.00 lbs. (24.06 kg) | <input type="checkbox"/> 250 gal. (946.25 L)
Net Wt: 2650.00 lbs. (1202.04 kg) |
| <input type="checkbox"/> BULK:
WT. PER GAL.: 10.6 lbs (4.81 kg) | |

Information about the components of this lot of fertilizer and directions for use 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.

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

DANGER

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 severe skin burns and eye damage. May be harmful if inhaled. May cause respiratory irritation. May intensify fire; oxidizer. 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 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.

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.
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.acrcycle.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

TRACITE® HEP 45 is a blend of trace elements - zinc, manganese and iron. Furthermore, this product contains organic chelating agents including sodium glucoheptonate. This product also contains an alpha-keto acid, a non-plant food ingredient, which may enhance the plant's use of micronutrients. As part of a regular fertilizer program, this product may further enhance resistance to environmental stress and aid in the prevention and correction of micronutrient deficiencies. Designed for foliar application, this product may be applied alone or in tank mixes containing pesticides. It is also compatible with liquid fertilizers. However, whenever use of an unfamiliar mix is employed, a compatibility jar test is always recommended.

DIRECTIONS FOR USE

Do not mix with fixed copper or copper-based fungicides if the pH of the spray solution is below 6 pH.

This product can be applied to the following crops: Vegetables, fruits, row crops, deciduous fruit and nut trees and commercial turf and ornamentals. Rates and timing of applications are dependent on local conditions and should always be made as a result of soil and/or plant tissue analysis and in conjunction with your local agricultural authority.

COOL and WARM SEASON TURF GRASS: Apply up to 6 oz. per 1,000 sq. ft.

MIXING AND APPLICATION GUIDE

High Volume Sprayers: Use 350-800 gallons of water per acre.

Conventional Field Crop Sprayers: Use a minimum of 15-20 gallons per acre or enough water for thorough coverage.

Air Application: Use a minimum of 3-5 gallons of water per acre. In mixtures where a compatibility agent is necessary, a product such as **BLENDEx® VHC** is recommended. Thorough coverage is necessary for best results and the addition of a non-ionic surfactant such as **INDUCE®** is recommended when applying to hard-to-wet crops. Local climatic conditions, infestations, and other factors affect the performance of any insecticide, fungicide and nutritional spray. Therefore, for specific use, consult your local Helena Chemical Company representative or your local agricultural extension agent.

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

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

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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