



FOLIAR 20-20-20

Soluble Fertilizer with Micronutrients

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	20.00%
4.0% Ammoniacal Nitrogen	
6.0% Nitrate Nitrogen	
10.0% Urea Nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅).....	20.00%
SOLUBLE POTASH (K ₂ O).....	20.00%
Boron (B).....	0.02%
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 nitrate, urea, ammonium phosphates, copper EDTA, iron EDTA, manganese EDTA, zinc EDTA, sodium borate and sodium molybdate.

Chlorine (Cl), maximum 0.025%

The chelating agent is EDTA (ethylenediaminetetraacetic acid).

Potential Acidity equivalent to 550 lbs. Calcium Carbonate (CaCO₃) per ton.

KEEP OUT OF REACH OF CHILDREN

WARNING

May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes skin irritation
May be harmful if inhaled



WARNING: This product contains **BORON** and **MOLYBDENUM**. Determine plant sensitivity prior to use. Plants containing excess **MOLYBDENUM** are toxic to grazing ruminant animals. Crops sensitive to either or both of these two elements may be injured. Use of **BORON** on crops other than those recommended may result in serious injury to the crop.

Dye Added.

NET WEIGHT: 25 lbs. (11.35 kg)

SN 050415G

Information about the components of this product 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 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

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

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.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.	

COMPATIBILITY	
TRACITE® FOLIAR 20-20-20 is compatible with most pesticides commonly used on vegetable, fruit, and agronomic crops. WARNING: Do not use with Dinitro compounds, Dormant Oil, Lime Sulfur, Spray Lime, or highly alkaline spray materials. Add TRACITE® FOLIAR 20-20-20 to the spray tank or pre-mix when it is about half full. Agitation in the tank is preferred to increase the speed of solubility. When extremely cold water is used, allow a few extra minutes for the product to completely dissolve before spraying.	

SUGGESTED DIRECTIONS				
FOR MEASURING SMALL AMOUNTS (Based on level standard measurement)				
37 tbsps = 1 lb	2 ½ tbsps = 1 oz	1 cup = 7 ozs	43,560 sq ft = 1 ac	1,000 sq ft = 1/43 ac

GENERAL USE: Apply 5 to 10 lbs. per acre as a foliar application to supplement the normal soil applied fertility program. Can be applied by aircraft at rates as low as 5 lbs. per 2 gals. of water per acre. For backpack sprayers use at the rate of 6 grams per liter or 4 teaspoonfuls per gallon. 5 LBS. PER ACRE = 5 KILOS PER HECTARE
TRANSPLANTING: Use 5 lbs. per 100 gals. of water (1 cup of mix per plant for hand setting). It requires about 200 to 300 gallons of water per acre for transplanting or 10 to 15 lbs. of TRACITE® FOLIAR 20-20-20 per acre (Except for Tobacco, see below).

FOLIAR SPRAY
APPLES, BANANAS, PEACHES, PEARS, PLUMS, NECTARINES, APRICOTS, CHERRIES, CITRUS FRUITS, FIGS, AVOCADOS, MANGOES, PAPAYA, KIWI, FILBERTS, CHESTNUTS, MACADAMIA NUTS, WALNUTS, PECANS, AND ALMONDS: Use at the rate of 2 lbs. per 100 gals. of water when applying in dilute sprays or 5 to 10 lbs. per acre when applying with concentrate sprayers. Apply early in the growing season and whenever supplemental feeding is necessary to improve tree vigor, fruit, or nut set or during adverse weather conditions. Can be applied in combination with almost all insecticide and fungicide programs. For most tree crops, 3 to 5 applications are desirable through the growing season. **WARNING:** On tree fruits,

where fruit color and maturity is delayed by nitrogen application, do not use

TRACITE® FOLIAR 20-20-20 in late season sprays.

STRAWBERRIES: Use at the rate of 5 to 10 lbs. per acre when the first fruit buds show in the crown. Three or more additional applications are desirable at 7 to 10 day intervals.

GRAPES, RASPBERRIES, BLACKBERRIES: Use at the rate of 5 to 10 lbs. per acre early in the season or whenever it is necessary to improve vine or cane vigor and growth. **WARNING:** Where fruit color and maturity is delayed by nitrogen application, do not use **TRACITE® FOLIAR 20-20-20** within 60 days of ripening.

CATTELYA ORCHIDS: For liquid feeding of Cattleya Orchid in white fir, use the following rates in place of watering every 7 to 10 days.

Rate per Gallons of Water for TRACITE® FOLIAR 20-20-20 plus AMMONIUM NITRATE			
Per 100 Gallons of Water	50 Grams	1 ¾ Ounces	
	112 Grams	4 Ounces	
Per 45 Gallons of Water	25 Grams	1/4 Ounce	1 Tablespoon
	56 Grams	2 Ounces	2 Tablespoons
Amount to be dissolved in 3 gals. of water to make 45 gals. liquid fertilizer through Siphon.			

HOUSE PLANTS: African Violets, Philodendron, Geraniums, Gardenia, Coleus: Mix 1 standard level teaspoonful in 1 quart of water. Spray on foliage or apply as a drench to soil twice monthly. For African Violet Culture: Apply as a drench to soil only.

HYDROPONIC CULTURES: Each 2 ozs. of **TRACITE® FOLIAR 20-20-20** per each 100 gallons of water yields a nutrient solution containing 30 ppm of each of the major nutrients. For specific crop recommendations, consult your State Horticultural Experiment Station.

NURSERY AND GREENHOUSE: Use at the rate of 5 to 10 lbs. per 100 gals. of water or per acre on plants, flowers, shrubs, and trees for direct spray to foliage and for transplanting work. For preparing transplant slurry, add ¼ lb. or ½ standard cupful **TRACITE® FOLIAR 20-20-20** per 3-gallon bucket of puddle soil.

NOTE: In a sprinkler system, use 1 ¾ lbs. per 100 gallons or more of water every 2-3 weeks, or ½ lb. per 100 gallons of water 2-3 times a week per 400 sq. ft. of area.

ROW CROPS (Cotton, Soybeans, Peanuts, Field Corn, Popcorn, Sugar Beets, Table Beets, Sweet Potatoes, and Pineapples): Use at the rate of 5 to 10 lbs. per acre to improve growth and yield. One to five applications are desirable depending on the crop and the season.

FORAGE AND HAY CROPS (Alfalfa, Clover, and Grasses, Such as Orchard Grass and Timothy): To stimulate growth and improve plant vigor apply **TRACITE® FOLIAR 20-20-20** as a foliar spray at the rate of 5 to 10 lbs. per acre. Applications can be made at 7 to 10 day intervals depending on the amount of growth desired.

SEED CROPS (Alfalfa Clover, Carrots, Lettuce, and Asparagus): To improve crop growth and yield, apply 5 to 10 lbs. per acre just prior to head formation. To further stimulate yield 1 or 2 earlier applications are desirable. Apply at 7 to 20 day intervals.

HOPS AND MINT: Use at the rate of 5 to 10 lbs. per acre starting early in the season to improve growth and yield. One to five applications are desirable, depending on the season.

TOBACCO: Transplanting: Add 1 lb. to each 100 gallons of water. See your local county agent or extension service personnel for further information. **Beds:** Add 5 lbs.

to 100 gallons of water and water beds in usual manner or apply 5 lbs. in dry form to 100 sq. yds. and apply sufficient water to immediately saturate the area. Frequency of application depends upon amount of color and growth desired. **Fields:** When supplemental fertilization is needed especially during periods of high leaching from heavy rainfall, apply **TRACITE® FOLIAR 20-20-20** as a foliar spray at the rate of 5 to 10 lbs. per acre at 10 to 14 day intervals. Frequency of application depends upon amount of color and growth desired.

TOMATOES, PEPPERS, CUCUMBERS, MELONS, AND SQUASH: Use at the rate of 5 to 10 lbs. per acre. First application should be made when the plants are 3 to 4 weeks old. Repeat at 7 to 10 day intervals. Apply 5 to 7 applications per season for best results.

POTATOES: Use at the rate of 5 to 10 lbs. per acre. **TRACITE® FOLIAR 20-20-20** improves foliage color as well as tuber development even when soil conditions are unfavorable. Potatoes set 71 of their tubers between the 70th day and the 100th day after planting. **TRACITE® FOLIAR 20-20-20** helps carry the plant through adverse soil and temperature conditions which may occur during this critical period. Suggest applying when plants are young and continue at 7 to 10 day intervals, as needed, particularly through the 30-day tuber-setting period.

CELERY, LETTUCE, ENDIVE, BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, AND SPINACH: Use **TRACITE® FOLIAR 20-20-20** as a starter solution at the rate of 5 lbs. per 100 gals. of water at time of transplanting. For use as a foliar, nutritional spray, apply at the rate of 5 to 10 lbs. per acre when the plants have been established for approximately 3 weeks. Use 3 to 6 sprays per season at 7 to 10 day intervals, depending on weather conditions and crop vigor.

CARROTS, PARSLEY, AND ASPARAGUS: Foliage efficiently uses high concentration of nutritional sprays. Apply at the rate of 10 to 15 lbs. per acre.

Frequency of application depends on prevailing weather conditions and amount of growth desired.

BEANS, PEAS, SWEET CORN, LENTILS, AND ONIONS: Use at the rate of 5 to 10 lbs. per acre when plants are 3 to 4 weeks old. Repeat application at 7 to 10 day intervals or as needed.

LAWNS, GOLF COURSES, AND TURF AREAS: For Kentucky and Marion Blue, Bent, Bermuda and Zoysia Grasses. The type of grass, color, and rate of growth will dictate rate and frequency of application. **TRACITE® FOLIAR 20-20-20** can be combined with fungicides and/or soil insect treatments (See compatibility for the addition of insecticides and fungicides). Use 5 lbs. per 100 gallons of water per 5,000 sq. ft. or 1 lb. in 10 gallons of water per 1,000 sq. ft. or 15 level tablespoonsful in 4 gal. of water per 400 sq. ft. Apply monthly, starting February or March. More frequent applications may be necessary for desirable color and growth, especially on Bermuda and Zoysia grass. Apply with watering can, hose proportioner, or sprayer. **NOTE:** Grasses growing in shade require approximately one-half as much plant food as when grown in full sun.

WHEAT, BARLEY, OATS, RYE, RICE, SUNFLOWER, & SUGAR CANE: Apply at the rate of 5 to 10 lbs. per acre throughout the growing season, whenever it is necessary to stimulate growth and improve plant vigor. On small grains, applications at early tillering and when 10% of the heads are visible, are most beneficial.

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 should 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 in the directions for use 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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