

**CAUTION---This product contains BORON and MOLYBDENUM. Determine plant sensitivity prior to use. Plants containing excess MOLYBDENUM are toxic to livestock. Crops sensitive to either or both of these two elements may be injured.**

Can be applied by aircraft at rates equivalent to 1 pound in 1 gallon of water, per acre.

**For Agricultural  
Use Only**



**Net Weight  
25 lb (11.34 kg)**



*"Marketed Continuously Since 1949"*



**20 - 20 - 20**

Manufactured By

**MILLER CHEMICAL & FERTILIZER, LLC**

P.O. Box 333  
HANOVER PENNSYLVANIA 17331, U.S.A.

KEEP OUT OF REACH OF CHILDREN

# NUTRI-LEAF®

# 20-20-20

## SOLUBLE FERTILIZER

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N).....	20%
5.4% Ammoniacal Nitrogen	
5.5% Nitrate Nitrogen	
9.1% Urea Nitrogen	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> ).....	20%
SOLUBLE POTASH (K <sub>2</sub> O).....	20%
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 Phosphate, Potassium Phosphate, Copper EDTA, Iron EDTA, Manganese EDTA, Zinc EDTA, Sodium Borate and Ammonium Molybdate. Chelating agent is EDTA (ethylenediaminetetraacetic acid). Chlorine (Cl) maximum.....0.025% Potential Acidity is equivalent to 555 lbs. Calcium Carbonate (CaCO<sub>3</sub>) per ton.

F501

Information concerning the raw materials composing this product can be obtained by writing to Miller Chemical & Fert. LLC, P.O. Box 333, Hanover, PA 17331. Please refer to the batch number found on this container.

### SUGGESTED DIRECTIONS

**General use:** Apply 5 to 10 pounds per acre as a foliar application to supplement the normal soil applied fertility program. Can be applied by aircraft at rates equivalent to 1 pound in 1 gallon of water, per acre. For back-pack sprayers use at the rate of 5 grams per liter or 4 teaspoonfuls per gallon.

**5 LBS. PER ACRE = 5 KG PER HECTARE**  
**Can be used with NU FILM P® or NU FILM 17®**

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

**TRANSPLANTING:** Use 5 lbs. per 100 gallons 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 NUTRI-LEAF per acre (except for tobacco, see below).

**APPLES, 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 gallons 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.

**CAUTION:** On tree fruits, where fruit color and maturity is delayed by nitrogen application, do not use NUTRI-LEAF 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, CRANBERRIES AND BLUEBERRIES:** 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. **CAUTION:** Where fruit color and maturity is delayed by nitrogen application, do not use NUTRI-LEAF within 60 days of ripening.

**FORAGE AND HAY CROPS (ALFALFA, CLOVER, AND GRASSES SUCH AS ORCHARDGRASS AND TIMOTHY):** To stimulate growth and improve plant vigor, apply NUTRI-LEAF 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.

**ROW CROPS (COTTON, SOYBEANS, PEANUTS, FIELD CORN, POPCORN, SUGARBEETS, 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.

**WHEAT, BARLEY, OATS, RYE, RICE, SUNFLOWER AND SUGARCANE:** 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.

**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 10 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 the 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 NUTRI-LEAF 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. NUTRI-LEAF 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. NUTRI-LEAF 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 NUTRI-LEAF as a starter solution at the rate of 5 lbs. per 100 gallons 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 concentrations of nutritional sprays; apply at the rate of 10 to 15 lbs. per acre. Frequency of applications 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 applications at 7 to 10 day intervals or as needed.

**SHADE TREES AND SHRUBS:** Use at the rate of 5 to 10 lbs. per 100 gallons of water. Apply early in the growing season and whenever supplemental feeding is necessary to improve plant vigor and appearance.

**NURSERY AND GREENHOUSE:** Use at the rate of 5 to 10 lbs. per 100 gallons 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, NUTRI-LEAF per 3 gallon bucket of puddled soil.

**NOTE:** In a sprinkler system, use 1¼ lbs. per 100 gallons or more of water every 2 to 3 weeks, or ½ lb. per 100 gallons of water 2 to 3 times a week per 400 sq. ft. of area.

**HYDROPONIC CULTURES:** Each 2 ozs. of NUTRI-LEAF 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.

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6/14

Prod. No. 23522

BATCH NO.

#### FOR MEASURING SMALL AMOUNTS

(Based on level standard measurement)

37 tbsps.	=	1 lb. NUTRI-LEAF
2 ½ tbsps.	=	1 oz. NUTRI-LEAF
1 cupful	=	8 oz. NUTRI-LEAF
43,560 sq. ft.	=	1 acre
1,000 sq. ft.	=	¼ acre

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfo.org/metals.htm>. Use this product in accordance with good agronomic practices, which include utilizing proven spray equipment set for proper coverage. Do not make applications when temperatures are too hot. Applications should be made at temperature levels and when other environmental conditions in your area are such that your experience indicates the application will be compatible and will accomplish the desired result.

The use of this material, being beyond our control and involving elements of risk, to human beings, animals and vegetation, we do not make any warranty, express or implied, as to the effects of such use, when this product is not used in accordance with the directions as stated on this label.

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