



**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.



# NUTRI-LEAF® GREENHOUSE 20-20-20

## GUARANTEED ANALYSIS

TOTAL NITROGEN (N) .....	20%
4.0% Ammoniacal Nitrogen	
6.0% Nitrate Nitrogen	
10.0% 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, 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 equivalent to 550 lbs. Calcium Carbonate (CaCO <sub>3</sub> ) per ton.	
Dye added.	
<b>F501</b>	

## SUGGESTED DIRECTIONS

**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 Ornamental 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.

**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 1/4 lb. or 1/2 standard cupful NUTRI-LEAF per 3 gal. bucket of puddled soil.

**NOTE:** In sprinkler system, use 1 3/4 lbs. per 100 gals. or more of water every 2 to 3 weeks, or 1/2 lb. per 100 gals. of water 2 to 3 times a week per 400 sq. ft. of area.

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

	PER 100 GALS. OF WATER		
	GMS.	OZ.	
Nutri-Leaf	50	1 3/4	
plus			
Ammonium Nitrate	112	4	
FOR HOZON (SIPHON) APPLICATION			
	GMS.	OZ.	TBSPS.
Nutri-Leaf	21	3/4	1 3/4
plus			
Ammonium Nitrate	56	2	3 1/2 - 4

Amount to be dissolved in 3 gals. of water to make 45 gals. liquid fertilizer through Siphon.

**HOUSEPLANTS:** 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.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.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.

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.

**FOR AGRICULTURAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**

Prod. No. 23542

**Manufactured By**  
**MILLER CHEMICAL & FERTILIZER, LLC**  
**P.O. Box 333**  
**Hanover, Pennsylvania 17331**  
**Net Weight 25 lb (11.34kg)**

# GENERAL INFORMATION

## COMMONLY USED FORMULAS AND INJECTION RATIOS AND CONCENTRATIONS FOR CONSTANT FEEDING

Use a dosage between 100 PPM and 200 PPM NITROGEN. Let plants growth and soil tests determine which concentration and formula to use. 1/2 gallon per square foot is normal watering rate with constant feeding.

### 30% Nitrogen Formulas (30-10-10, etc.)

INJECTOR RATIO	PER GALLON OF CONCENTRATE		
	100 PPM NITROGEN	150 PPM NITROGEN	200 PPM NITROGEN
(1:300)	13.50 oz. (.8437 lb.)	20.25 oz. (1.2856 lb.)	27.00 oz. (1.6875 lb.)
(1:200)	9.00 oz. (.5625 lb.)	13.50 oz. (.8437 lb.)	18.00 oz. (1.125 lb.)
(1:150)	6.75 oz. (.4218 lb.)	10.125 oz. (.6328 lb.)	13.50 oz. (.8437 lb.)
(1:128)	5.76 oz. (.3599 lb.)	8.64 oz. (.5398 lb.)	11.52 oz. (.7198 lb.)
(1:100)	4.50 oz. (.2812 lb.)	6.75 oz. (.4218 lb.)	9.00 oz. (.5625 lb.)
(1:50)	2.25 oz. (.1406 lb.)	3.375 oz. (.2109 lb.)	4.50 oz. (.2812 lb.)
(1:30)	1.35 oz. (.08437 lb.)	2.025 oz. (.1265 lb.)	2.70 oz. (.1687 lb.)
(1:24)	1.08 oz. (.0675 lb.)	1.62 oz. (.10125 lb.)	2.16 oz. (.1350 lb.)
(1:15)	.675 oz. (.04218 lb.)	1.012 oz. (.06327 lb.)	1.35 oz. (.08437 lb.)

### 25% Nitrogen Formulas (25-5-20, 25-10-10, 25-0-25, etc.)

INJECTOR RATIO	PER GALLON OF CONCENTRATE		
	100 PPM NITROGEN	150 PPM NITROGEN	200 PPM NITROGEN
(1:300)	16.50 oz. (1.0312 lb.)	24.75 oz. (1.5468 lb.)	33.00 oz. (2.0625 lb.)
(1:200)	11.00 oz. (.6875 lb.)	16.50 oz. (1.0312 lb.)	22.00 oz. (1.375 lb.)
(1:150)	8.25 oz. (.5156 lb.)	12.375 oz. (.7734 lb.)	16.50 oz. (1.0312 lb.)
(1:128)	7.04 oz. (.4399 lb.)	10.56 oz. (.6598 lb.)	14.08 oz. (.8798 lb.)
(1:100)	5.50 oz. (.3437 lb.)	8.25 oz. (.5156 lb.)	11.00 oz. (.6875 lb.)
(1:50)	2.75 oz. (.1718 lb.)	4.125 oz. (.2578 lb.)	5.50 oz. (.3437 lb.)
(1:30)	1.65 oz. (.1031 lb.)	2.475 oz. (.1546 lb.)	3.30 oz. (.2062 lb.)
(1:24)	1.32 oz. (.0825 lb.)	1.98 oz. (.12375 lb.)	2.64 oz. (.1650 lb.)
(1:15)	.825 oz. (.05155 lb.)	1.237 oz. (.07734 lb.)	1.65 oz. (.1031 lb.)

### 20% Nitrogen Formulas (20-20-20, 20-10-20, 20-5-5, etc.)

INJECTOR RATIO	PER GALLON OF CONCENTRATE		
	100 PPM NITROGEN	150 PPM NITROGEN	200 PPM NITROGEN
(1:300)	20.25 oz. (1.2656 lb.)	30.375 oz. (1.8984 lb.)	40.50 oz. (2.5312 lb.)
(1:200)	13.50 oz. (.8437 lb.)	20.25 oz. (1.2656 lb.)	27.00 oz. (1.6874 lb.)
(1:150)	10.125 oz. (.6328 lb.)	15.187 oz. (.9492 lb.)	20.25 oz. (1.2656 lb.)
(1:128)	8.64 oz. (.5398 lb.)	12.96 oz. (.8097 lb.)	17.28 oz. (1.0796 lb.)
(1:100)	6.75 oz. (.4218 lb.)	10.125 oz. (.6328 lb.)	13.50 oz. (.8437 lb.)
(1:50)	3.375 oz. (.2109 lb.)	5.0675 oz. (.3164 lb.)	6.75 oz. (.4218 lb.)
(1:30)	2.025 oz. (.1265 lb.)	3.037 oz. (.1898 lb.)	4.05 oz. (.2531 lb.)
(1:24)	1.62 oz. (.10125 lb.)	2.43 oz. (.15188 lb.)	3.24 oz. (.2025 lb.)
(1:15)	1.012 oz. (.06327 lb.)	1.518 oz. (.09492 lb.)	2.025 oz. (.1265 lb.)

### 15% Nitrogen Formulas (15-15-15, 15-30-15, 16-4-12, etc.)

INJECTOR RATIO	PER GALLON OF CONCENTRATE		
	100 PPM NITROGEN	150 PPM NITROGEN	200 PPM NITROGEN
(1:300)	27.00 oz. (1.6875 lb.)	40.50 oz. (2.5312 lb.)	54.00 oz. (3.3750 lb.)
(1:200)	18.00 oz. (1.1250 lb.)	27.00 oz. (1.6875 lb.)	36.00 oz. (2.2500 lb.)
(1:150)	13.50 oz. (.8437 lb.)	20.25 oz. (1.2656 lb.)	27.00 oz. (1.6875 lb.)
(1:128)	11.52 oz. (.7200 lb.)	17.28 oz. (1.0800 lb.)	23.04 oz. (1.4400 lb.)
(1:100)	9.00 oz. (.5625 lb.)	13.50 oz. (.8437 lb.)	18.00 oz. (1.1250 lb.)
(1:50)	4.50 oz. (.2812 lb.)	6.75 oz. (.4218 lb.)	9.00 oz. (.5625 lb.)
(1:30)	2.70 oz. (.1687 lb.)	4.05 oz. (.2531 lb.)	5.40 oz. (.3375 lb.)
(1:24)	2.15 oz. (.1350 lb.)	3.21 oz. (.20063 lb.)	4.32 oz. (.2700 lb.)
(1:15)	1.35 oz. (.08437 lb.)	2.025 oz. (.1265 lb.)	2.70 oz. (.1687 lb.)

## FEEDING MILLER FERTILIZER WITH INJECTORS

### 7-10 DAY FEEDING SCHEDULE

<p>20-25% NITROGEN FORMULAS (20-20-20, 20-5-30, 25-5-20, 25-10-10) <b>NORMAL DOSAGE: 8 ounces in 25 Gallons</b> (To obtain this dosage use the following settings and concentrations):</p> <p><b>INJECTOR RATIO</b> (1:128)—Use 2½ pounds per Gallon (1:100)—Use 2 pounds per Gallon (1:50)—Use 1 pound per Gallon (1:30)—Use 9½ ounces per Gallon (1:24)—Use 7¾ ounces per Gallon (1:15)—Use 4¾ ounces per Gallon</p>	<p>15-16% NITROGEN FORMULAS (15-15-15, 15-30-15, 16-4-12, etc.) <b>NORMAL DOSAGE: 12 ounces in 25 Gallons</b> (To obtain this dosage use the following settings and concentrations):</p> <p><b>INJECTOR RATIO</b> (1:100)—Use 3 pounds per Gallon (1:50)—Use 1½ pounds per Gallon (1:30)—Use 14½ ounces per Gallon (1:24)—Use 11½ ounces per Gallon (1:15)—Use 7¼ ounces per Gallon</p>
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