

Helena

Bayfolan® Plus 11-8-5

AN INORGANIC LIQUID NUTRIENT FOR FOLIAR FEEDING OF PLANTS

GUARANTEED ANALYSIS

Total Nitrogen (N)	11.00%
2.40% Ammoniacal Nitrogen	
8.60% Urea Nitrogen	
Available Phosphate (P2O5)	8.00%
Soluble Potash (K2O).....	5.00%
Boron (B)	0.02%
Cobalt (Co)	0.0005%
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 hydroxide, ammonium polyphosphate, urea, sodium tetraborate, cobalt sulfate, ammonium molybdate, iron EDTA, copper EDTA, manganese EDTA and zinc EDTA.

Chlorine, not more than 0.70%.

The chelating agent is EDTA (ethylenediaminetetraacetic acid).

Contains 2.45 lbs. of plant nutrients per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION
 See Inside Panel for Additional Precautionary Statements

SN 0105/0305

WT. PER GAL: 10.3 lbs (4.67 kg)

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 BY
 HELENA CHEMICAL COMPANY
 225 SCHILLING BOULEVARD, SUITE 300
 COLLIERVILLE, TN 38017

CAUTION: Contains **Boron** and **Molybdenum**. Do not use on plants sensitive to **Boron**. Forage crops high in **Molybdenum** may be toxic to grazing ruminant animals.

Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops.

BAYFOLAN® PLUS is a normal liquid plant nutrient that provides plants with many of the necessary elements required for growth. It provides trace elements and plant nutrients which improves the general plant condition and is a valuable supplement to soil fertilizer programs, particularly where there are adverse conditions for the uptake of primary nutrients from the soil.

PHYSICAL PROPERTIES

pH Value: 5.0-6.0 in undiluted material. 6.7 in 0.2% aqueous solution.

Temperature Sensitivity: Unaffected down to 5°C or 41°F. Lower temperature will result in partial crystallization but the product will reconstitute above 5°C or 41°F.

Compatibility: **BAYFOLAN® PLUS** is compatible with most fungicides, insecticides and herbicides, some exceptions are alkaline mixtures like lime sulfur.

RECOMMENDATIONS

BAYFOLAN® PLUS may be applied to many crops (including row crops) since all plants are capable of absorbing nutrients through the leaves. The use of **BAYFOLAN® PLUS** for foliar feeding is particularly advantageous on crops that have fast and heavy foliar growth, including vegetable plants, potatoes, sugar beets, grapes, hops, cotton, citrus fruits, coffee, tobacco, etc. The application of **BAYFOLAN® PLUS** is also recommended in combination with herbicidal sprays in many cereals and row crops.

SUGGESTED DIRECTIONS

BAYFOLAN® PLUS should be used in all crop protection sprays with minimum volumes of 5 gallons/A by ground and 2 gallons/A by air, however, the concentration of **BAYFOLAN® PLUS** should not exceed 1 quart in 5 gallons of solution (5 percent by volume).

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The following table is a guide for the use of **BAYFOLAN® PLUS** as a plant nutrient. Rates and frequency of application will depend on individual management programs. Use of **BAYFOLAN® PLUS** on any crops not listed on this table must be as a result of recommendations from your local agricultural authority.

Crop	Suggested Rate ⁽¹⁾ Quart/Acre	Remarks
Alfalfa ⁽²⁾	1-2	Apply after each cutting for hay. On seed alfalfa, make 4 applications.
All Fruit ⁽³⁾ and Nut Trees ⁽³⁾	2	Apply with pre and post blossom crop protection sprays.
Apples ⁽³⁾ , Peaches ⁽³⁾ , Pears ⁽³⁾	2-3	Apply with crop protection sprays. Include in each application of the summer spray program.
Beans ⁽²⁾ , Peas ⁽²⁾ , Corn ⁽²⁾ , Rye, Safflower, Barley ⁽²⁾ and Wheat ⁽²⁾	1-2	Apply with crop protection sprays or at 7-10 day intervals. Begin 3 weeks after emergence.
Bush Fruit, Boysenberries, etc.	1-2	Apply with crop protection sprays.
Cabbage ⁽²⁾ , Cauliflower ⁽²⁾ , Kale, Brussels Sprouts ⁽²⁾ , Spinach ⁽²⁾ , Turnips, Broccoli ⁽²⁾ , etc.	1-2	Apply at 7-10 day intervals. A minimum of 4 applications recommended.
Cantaloupes ⁽²⁾	2	Apply once per week throughout the growing season.
Carrots ⁽²⁾ , Parsley, Artichokes	1-3	Frequency of application depends on prevailing weather conditions and amount of growth desired. Do not use more than 1 quart per 10 gallons of spray.
Celery ⁽²⁾ , Lettuce ⁽²⁾ , Endive, Chinese Cabbage, etc.	1	Begin applications as soon as 3rd and 4th leaves begin to form. Apply at 7-10 day intervals.
Citrus ⁽³⁾ , Avocados ⁽²⁾⁽³⁾	8	Apply with crop protection sprays from prebloom through late summer.
Cotton	1 pt.-1 qt.	Apply anytime prior to first bloom for quicker recovery from stress conditions.
Cucumbers ⁽²⁾	4	Apply 2-3 weeks before first bloom and 14 days later.
Grapes, Thompson Seedless Raisin Culture	1	At 6 inch shoot stage, and at prebloom stage of growth.
Grapes, Juice	1	At buckshot stage of growth.
Hops	2-3	Apply when vines are halfway to wire. Repeat in two weeks.
Mints	2-3	Apply with crop protection sprays.
Muskmelon ⁽²⁾	4	Apply 2-3 weeks before first bloom and 10-14 days later.
Peanuts	1-3	Apply with crop protection sprays.
Potatoes ⁽²⁾ and Peppers	1-2	Apply with crop protection sprays or at 7-10 day intervals Begin 3 weeks after emergence.
Rice	1-2	Apply at Panicle Initiation or early Booting. Do not apply at both growth stages as a reduction in yield may occur.
Squash, Melons ⁽²⁾ , Pumpkins	2-4	Apply 2-3 weeks before first bloom and 10-14 days later.
Soybeans ⁽²⁾	2-3	Anytime prior to bloom for faster recovery from stress conditions. Apply with crop protection sprays.
Sugar Beets ⁽²⁾	2	2-3 applications have shown marked increases in beet and sugar yields.

Crop	Suggested Rate ⁽¹⁾ Quart/Acre	Remarks
Tobacco ⁽²⁾ for Transplanting	4	Apply in transplant water.
Tobacco ⁽²⁾ for beds	1	Water beds in usual manner. Frequency of application depends upon amount of color and growth desired.
Tobacco ⁽²⁾	1-2	Apply with crop protection sprays.
Tomatoes ⁽²⁾ , Canning	2	+ 16 fl. oz. Penetrator [®] /20 gallons water at first fruit set, 1" fruit and first color.
	<u>or</u> 1	+ 1 qt. TRACITE [®] Crop Mix + 16 fl. oz. Penetrator [®] /20 gallons water at first fruit set, 1" fruit and first color.
Tomatoes ⁽²⁾ , Fresh	1	Apply with crop protection sprays or at 7-10 day intervals. Begin 3 weeks after emergence.
Transplanting (except tobacco)	2-4	Apply in transplant water. Do not apply to crops before or during cotyledon stage.
General Use	1 qt. per 100 gals. or 1-3 qts. per acre	Apply to crops and ornamentals in regular crop protection spray programs. Monthly applications of BAYFOLAN [®] PLUS to plants are highly beneficial.

Note (1): Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.

Note (2): FOR USE IN WISCONSIN: **BAYFOLAN**[®] PLUS can be applied to these crops commonly grown in Wisconsin and requiring a medium to high level of one or more of the following: boron, copper, manganese, molybdenum and/or zinc.

Note (3): DO NOT use in the dormant spray program with dinitro compounds, dormant oil, lime sulfur, or highly alkaline spray materials.

NURSERY & GREENHOUSE: Use 1 quart per 100 gallons of water on plants, flowers, shrubs and trees for direct spray to foliage and for transplanting work. For preparing transplant slurry add 2 ounces per 3 gallon bucket of puddled soil. NOTE: In a sprinkler system, use 1 pint per 100 gallons or more of water every 2-3 weeks or 4 ounces per 100 gallons or more of water 2-3 times a week per 400 sq. ft. of area. Do not apply prior to 21 days after planting.

COMMERCIAL TURF AREAS: For Kentucky and Merion Blue, Bent, Bermuda and Zoysia grasses. The type of grass, color and rate of growth will dictate rate and frequency of application. For golf course applications, 7 oz. per 1,000 sq. ft. equals 1/16 lb. of Nitrogen; 14 oz. per 1,000 sq. ft. equals 1/8 lb. of Nitrogen.

BAYFOLAN[®] PLUS can be combined with fungicides and/or soil insect treatments (see Compatibility). Apply 1 qt. in 100 gallons of water per 5,000 sq. ft. or 6 oz. in 10 gallons per 1,000 sq. ft. Apply monthly starting February or March. More frequent applications for desirable color and growth, especially on Bermuda and Zoysia grasses. Apply with watering can, hose proportioner or sprayer.

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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 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.

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2. Replacement of the product used

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