

# NitroCal 11%

## Guaranteed Analysis (9-0-0)

**Total Nitrogen (N)**..... 9.0%

9.0% Nitrate Nitrogen

**Calcium (Ca)** ..... 11.0%

Derived from calcium nitrate

## GENERAL INFORMATION

NUE Minerals are manufactured specifically as a liquid foliar & Water run fertilizer to be used to help prevent and correct nutrient deficiencies that may limit crop growth and yields. NUE Minerals are a supplement to an adequate and balanced soil fertility program. NUE Minerals are a complex mixture of organic acids (including fulvic acids), partially hydrolyzed proteins and free amino acids.

It is important to monitor crop needs and responses by maintaining an adequate tissue-testing program. When unfamiliar with the effects of foliar applications of minerals it is recommended to perform small-scale field trials.

## DIRECTIONS FOR USE

**Mixing Directions** - Be sure spray tank is thoroughly cleaned, fill 1/3 full with clean water, add product and continue filling with agitation. Always add this product to tank before adding pesticides.

**Compatibility** - NUE Minerals are recommended to be applied with a foliar program. Always do compatibility tests before mixing with phosphate products. If any precipitation occurs, it may be necessary to add NUE Chelate 42% compatibility agent.

Consult your Bio-Gro dealer for more information.

**Applications** - NUE Minerals can be applied by ground and aerial equipment, drip or overhead irrigation systems.

**Dilution and Spray Volumes** - Always use enough water for uniform application and to prevent possible plant tissue damage to the intended crop from concentrated droplets. It is recommended to use a dilution of at least 10 parts of water to 1 part of NUE Minerals.

## SUGGESTED APPLICATIONS

Optimum rate of application will vary between fields depending on soil and/or climatic conditions, stage of crop growth and size of plants. Application rates are best determined by soil and plant analysis recommendations.

**NUE NitroCal 11%** can be used on many crops where foliar calcium applications are commonly used. Consult your Bio-Gro dealer for specific recommendations.

**Tree Crops:** Apples, Citrus, All Nut Crops, Pears, Stone Fruit; Apply 1 to 4 quarts/acre to actively growing foliage. Repeat applications may be made in 10 to 21 day intervals. Do not apply foliar applications of NUE NitroCal - 11% under poor drying conditions or in excess heat. Dilute spray in at least 80 gallons/acre of water.

**Vines, Grapes and Berries:** Apply 1 to 4 quarts/acre of NUE NitroCal -11% after active vegetative growth begins and prior to bloom. Applications may be repeated in 7 to 14 day intervals. Not recommended on fresh market grapes and berries after fruit formation.

**Field Crops:** Beans, peas, corn, potatoes, soybeans, etc. Apply 1 to 2 quarts/acre prior to bloom .

**Vegetable Crops:** Asparagus, celery, cole crops, cucurbits, lettuce, melons, onions, garlic, peppers, spinach, strawberries, tomatoes, etc. Apply 1 to 2 quarts/acre during periods of rapid growth or nutritional stress. NUE NitroCal - 11% may be applied at 10 to 14 day intervals.

**Cereal Crops:** Wheat, barley, oats, rice, rye, etc. Apply 1-2 quarts/acre at 4-6 leaf stage. Repeat in 10-14 days. **NUE NitroCal 11%** should be applied in multiple applications throughout most active stage of vegetative growth. If soil levels are low, repeated applications may be necessary.

**TIMING** - Application timing is likely the most important factor in determining the response and value of foliarly applied nutrients. Understanding the basic physiological functions of a crop is essential in planning proper nutrient timing.

**Distribution** - Plant leaves are difficult to penetrate with foliar solutions. Adding appropriate additives to spray tank for optimum distribution is essential. Contact your qualified Bio-Gro representative for more information.

## KEEP OUT OF REACH OF CHILDREN

### CAUTION - Harmful if Swallowed

**Precautionary Statements:** Harmful if swallowed, inhaled or absorbed through skin. May cause eye and skin irritation. In case of contact, immediately flush eyes and/or wash skin with plenty of fresh water for at least 15 minutes.

Do not contaminate feed or food items.

Only apply this product on crops specified on this label. Use caution in application to assure coverage on intended treatment areas only.

## CONDITIONS OF SALE

Seller and/or manufacturer warrants only that this product consists of the ingredients specified on this label. No one is hereby authorized to make any warranty and/or guarantee concerning the use of this product. Being that the use, timing, placement, rate, application and other conditions are beyond the control of the seller and/or manufacturer, the seller's and/or manufacturer's liability for handling, storage and use of this product is limited to replacement of product or refund of purchase price.

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

Quality Concerns? Love our Product? Use QR code to let us know



Manufactured by:  
Bio-Gro, Inc. • 681 Glade Road • Mabton, WA 98935  
Tel: 509-894-4110 Web: [www.BioGro.com](http://www.BioGro.com)

**10.5 lbs/gallon @ 68° F (1.29 kg/liter)**

Net Contents: 2 x 2.5 Gal (2 x 9.46 L)  Net Contents: \_\_\_\_\_  
 Net Contents: 250 Gal (946 L)

BG Rev 01/13

Born: