



## A VERDESIAN NUE™ SOLUTION

# 1-0-1

### Foliar Nutritional Supplement to Aid Growth of Agricultural Crops

#### Guaranteed Analysis

Total Nitrogen (N)	1.0%	Copper (Cu)	1.0%
0.0050% Ammoniacal Nitrogen		1.0% Water Soluble Copper (Cu)	
0.025% Nitrate Nitrogen		Iron (Fe)	1.3%
0.97% Other Water Soluble Nitrogen		1.3% Water Soluble Iron (Fe)	
Soluble Potash (K <sub>2</sub> O)	1.0%	Manganese (Mn)	1.1%
Sulfur (S)	3.5%	1.1% Water Soluble Manganese (Mn)	
3.5% Combined Sulfur (S)		Molybdenum (Mo)	0.040%
Boron (B)	0.080%	Zinc (Zn)	2.3%
Cobalt (Co)	0.055%	2.3% Water Soluble Zinc (Zn)	

Derived from Seaweed Extract, Soybean Protein Hydrolysate\*, Boric Acid, Cobalt Nitrate, Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Ammonium Molybdate and Zinc Sulfate.

\*Non-GMO Soybean Protein Hydrolysate

**WARNING** Causes eye irritation.

#### PRECAUTIONARY STATEMENTS:

Keep out of reach of children. Wash skin thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

**NOTICE:** Over-application or excessive use of boron can result in boron toxicity. This may cause foliar damage or serious crop injury. The proper use of soil test recommendations will minimize the risk of over-application of boron.

Application of fertilizers containing molybdenum may result in forage crops that contain levels of molybdenum that are toxic to ruminant animals. The proper use of soil and/or petiole test recommendations will minimize the risk of over-application of molybdenum.



#### Manufactured and Guaranteed by:

**Cytozyme Laboratories, Inc.**

2700 South 600 West  
South Salt Lake City  
UT 84115 USA  
Tel: (801) 533-9208  
[www.cytozyme.com](http://www.cytozyme.com)

**2.5 U.S. Gallons/9.5 Liters**  
**Net Weight: 27.1 lb/12.3 kg**  
**Density: 10.8 lbs/gal @ 68° F**

#### Distributed by:

**Verdesian Life Sciences**

1001 Winstead Drive,  
Suite 480  
Cary, NC 27513  
Tel: (800) 868-6446

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### APPLICATIONS: SHAKE WELL before using.

Dilute with water to obtain uniform coverage. Dilution depends on spraying equipment. For high volume sprayers dilute 1:200 to 1:1000. For low volume sprayers dilute 1:40 to 1:100. To co-apply with agrochemicals, dilute 1 part Crop+ with 5 parts water prior to mixing with pre-diluted chemicals.

For optimal absorption and compatibility with other products, adjust pH of the mixture to 5.5 - 6.5. Because available formulations of agrochemicals differ widely, a small test area should be treated prior to large scale mixing to determine that no undesirable effects occur. For best results apply in the evening or early morning.

### RECOMMENDED CROP+ APPLICATION RATES AND TIMES FOR SELECTED CROPS

CROP	RATE PER APPLICATION	APPLICATION TIME(S)
Alfalfa	8 fl oz/acre (600 ml/ha)	1st application at 90% of ground cover; repeat application 7-10 days after each cutting
Barley, oats, rye, wheat	8 fl oz/acre (600 ml/ha)	1 application - for winter varieties, at first spring growth; for spring varieties, at 4-5 leaf stage
Berries (A)	8 fl oz/acre (600 ml/ha)	2 applications - early to 30% bloom and at fruit set. For multiple picking after each harvest
Citrus	7 fl oz/acre (500 ml/ha)	3 applications - at bloom, fruit set, and color change
Corn, milo, millet, sorghum	8 fl oz/acre (600 ml/ha)	1 application - 6 to 8 leaf stage
Cotton	4 fl oz/acre (300 ml/ha) OR 8 fl oz/acre (600 ml/ha)	4 weekly applications - beginning at pinhead square OR 2 applications - at 3-4 leaf stage and again at pinhead square
Fruit trees (B)*	8-20 fl oz/acre (600-1500 ml/ha)	3 applications - pre-bloom (fruit bud stage), fruit set and fruit color change
Fruiting vegetables (C)	6 fl oz/acre (450 ml/ha)	3 applications - pre-bloom, fruit set and then color change
Grapes, table seedless	8 fl oz/acre (600 ml/ha) AND 16 fl oz/acre (1.2 liter/ha)	1 application - at about 40 cm of new growth AND with each application of GA3 for sizing
Grapes, table seeded	8 fl oz/acre (600 ml/ha) AND 16 fl oz/acre (1.2 liter/ha)	1 application - at about 40 cm of new growth AND 2 applications - when berries are 8-10 mm in size and 12-14 mm in size
Kiwi	13-20 fl oz/acre (1000-1500 ml/ha)	4 applications - 40-60 cm new growth, full bloom, fruit set and finishing/sizing
Legumes (D)	8 fl oz/acre (600 ml/ha)	2 applications - pre-bloom and pod-set stages
Melons (E)	6 fl oz/acre (450 ml/ha)	3 applications - pre-bloom, fruit set and rapid growth or fruit color change
Peanuts (Ground nuts)	8 fl oz/acre (600 ml/ha)	2 applications - pre-bloom and initial pegging stages
Tree nuts	14 fl oz/acre (1 liter/ha)	3 applications - pre-bloom, fruit set, 30 days after fruit set
Onions, chives, garlic, leeks, shallots	4 fl oz/acre (300 ml/ha)	3 applications - 6-8 leaf stage, 2 weeks later and again 4 weeks later
Potatoes, yams	7-13 fl oz/acre (500-1000 ml/ha)	2 applications - 6-8 leaf stage and 4 weeks later
Rice	7 fl oz/acre (500 ml/ha)	2 applications - 4-5 leaf stage and panicle initiation
Root vegetables (F)	4 fl oz/acre (300 ml/ha)	3 applications - in two-month intervals; 4-6 leaf stage, 2 weeks later and again 4 weeks later
Soybeans	8 fl oz/acre (600 ml/ha)	2 applications - pre-bloom and pod-set stages
Stem, leaf, flower vegetables (G)	5 fl oz/acre (400 ml/ha)	3 applications - 4-5 leaf stage, 2 weeks later and again 4 weeks later
Strawberries	4 fl oz/acre (300 ml/ha)	At early bloom up to 30%. For multiple picking after each harvest
Sugar beets	8 fl oz/acre (600 ml/ha)	1 application - 8-10 leaf stage
Sunflowers	8 fl oz/acre (600 ml/ha)	1 application - at bud formation
Tropical fruits (H)	8 fl oz/acre (600 ml/ha)	2 applications - at the beginning of intensive plant growth and at fruit set
Turk and Ornamental	8 fl oz/acre (600 ml/ha)	3-5 applications per season; 1-2 months apart (0.18 fl oz/1000 sq ft OR 6 ml/100 sq m)

This product is not a lawn maintenance fertilizer and at the recommended application rates, delivers less than 0.001 lb of N per 1000 sq ft.

A) Blackberry, blueberry, cranberry, currants, dewberry, gooseberry, loganberry, raspberry; (B) Apple, apricot, avocado, cherry, nectarine, peach, pear, plum; (C) Cucumber, eggplant, pepper, pumpkin, squash, tomato; (D) Beans, (dry, fava, green, etc.) chickpeas (garbanzos), lentils, peas; (E) Cantaloupe, crenshaw, honeydew, watermelon; (F) Beet, carrot, parsnip, radish, turnip; (G) Artichoke, asparagus, broccoli, Brussels sprouts, cabbage, cauliflower, celery, endive, lettuce, parsley, spinach; (H) Bananas, mangos, papaya, pineapple.

\*Some varieties of Prunus (plums, nectarines, peaches, etc.) are sensitive to foliar application, and it is recommended to treat a small area before applying on a larger scale.

**STORAGE:** Store in a clean, dry place at temperature between 40°F (5°C) and 110°F (43°C). Do not store in direct sunlight. Keep container tightly closed. Do not store diluted product.

**IMPORTANT NOTICE:** Read the entire label. Use only in accordance with the label instructions. If terms of limited warranty are unacceptable, return unopened product at once. Use in conjunction with a normal fertilizer program. Crop+ is intended as a supplement to a regular fertilizer program and will not, by itself, provide all the nutrients normally required by plants.

**LIMITED WARRANTY:** Cytozyme Laboratories, Inc. warrants that this product conforms to the description on the label within customary industry standards. The conditions and methods of handling are beyond the control of Cytozyme Laboratories, Inc. As such, this warranty extends only to the identity and composition at the time of delivery. Cytozyme Laboratories, Inc. expressly disclaims liability for any loss connected with misuse of this product. (This Limitation of Warranty is void where prohibited by law.)

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