

GRO FOLAN

Liquid Foliar Fertilizer

- With • Chelated Micronutrients
 • Amino Acid
 • Vitamins
 • Growth Hormones



The Gro Folan product line provides a unique synergism of N-P-K, micronutrients, vitamins, amino acids and natural plant extracts that supply bio-available nutrients during critical peak nutrient demand periods.

Critical nutrient demand periods can occur during vegetative or reproductive growth, when the supply of nutrients from storage pools (roots, leaves or cytosol) are insufficient.

Insufficient nutrient supply can either be permanent (poor soil, inadequate fertilizer) or temporarily interrupted, which triggers a re-mobilization of nutrients from mature leaves or other metabolic storage pools.

Re-mobilization of minerals, sugars, amino acids, vitamins and enzymes occurs simultaneously during the life of the plant. The plants' leaves are the biochemical factories providing the dynamics of growth.

Re-mobilization is of particular importance during the reproductive growth stage – fruiting or seed formation. Properly timed application of Gro Folan supplements the plants own storage pools minimizing interruption of nutrient supply, helping to maintain optimal growth, quality and yields.

Gro Folan provides:

- Eight essential trace elements: Mg, Fe, Zn, Cu, Mn, Mo, B and Co in EDTA chelated form to prevent hydrolysis and "tie up" in hard water. EDTA chelated micronutrients provide the

widest range of tank mix compatibility with pesticide and fungicide.

- Amino acids are the building blocks of proteins and polypeptides and serve important functions in metabolism: Stabilization of cell structures, drought stress adaption, Osmo regulation. *Lysine*

Active in storage and transport of ammonium nitrogen.

Glutamine Asparagine Arginine Proline

Osmo-regulation and Photo Respiration

Glycine Serine

Floral initiation and development as precursor of putrescine

Arginine

Gro Folan contains 16 amino acids:

<i>Alanine</i>	<i>Threonine</i>	<i>Methionine</i>
<i>Isoleucine</i>	<i>Tyrosine</i>	<i>Valine</i>
<i>Lysine</i>	<i>Histidine</i>	
<i>Phenylalanine</i>	<i>Leucine</i>	

- Contains naturally occurring "B" vitamins extracted from a natural fermentation process.
- "B" vitamins have the following biological function in plants

(Continued on back)

- Vitamin B-1 essential for healthy root growth, effective only in combination with B-2, B-3, B-6
- Vitamin B-2 Co-partner of B-1 for root growth, iron uptake, electron transport, cytochrome system and plant respiration.
- Vitamin B-3 the roots of many legumes and other plants require as a growth substance
- Vitamin B-5 key factor in the Krebs cycle.
- Vitamin B-6 essential for root growth and amino acid metabolism
- Vitamin B-12 molecular rearrangement reaction.

- Natural plant extracts from *Ascophyllum Nodosum* contain amino acids, organic acids, carbohydrates, nucleic acids, enzymes, vitamins and measurable amounts of natural plant growth hormones such as Auxins, Gibberlin & Cytokinins. Bio available natural occurring nutrients that can supplement the growing plants own metabolic storage pool.
- The application of soluble natural occurring bio-available vitamins, amino acids, vitamins, plant extracts, organic acid and carbohydrate has proven to be a valuable addition to the modern farmer program for increased quality and yield of many fruit and vegetable crops.

EACH GRO FOLAN FORMULA CONTAINS, AMINO ACIDS, VITAMINS AND BIO-AVAILABLE NUTRIENTS:

0.10%	Iron	0.0005%	Molybdenum	1.4 mgs	B Vitamins/Kg (Total 6)
0.05%	Manganese	0.0005%	Cobalt	1.08 gm	Amino Acid/Kg (Total 16)
0.05%	Zinc			0.56 mg	Auxin/Kg
0.05%	Copper			0.88 mg	Gibberlin/Kg
0.01%	Boron			0.40 mg	Cytokinins/Kg

AVAILABLE FORMULAS:

12-4-8	5-5-5
4-17-5	3-2-2 with 2% Fulvic Acid
10-8-6	14-3-14
1-18-18	10-10-5

RECOMMENDED APPLICATION RATES

- General 20 cc for 10 liters of water (0.2%)
- Vegetable & Field Crop 20 cc for 10 liters of water (0.2%) tomatoes, peppers broccoli, cauliflower, (brassica). Melons, cucumbers (cucurbits). Lettuce, celery, spinach, endive, carrots, parsley and other leafy crops. Beans, peas and corn. Potato, onion, and other tuber crops.
- Strawberries 20 cc for 10 liters of water (0.2%)
- Vines 30 cc for 10 liters of water (0.3%). Grapes, hops, kiwis, raspberries, blackberries, blueberries and other cane berries.
- Tree Crops 30 cc for 10 liters of water (0.3%). Almonds, walnuts and other nut crops. Plums, nectarines and other stone fruits. Apples, pears and other pomes fruits. Citrus, avocados and olives.

Symbol of Quality

