

GROW  MORE  
**ROOTPLEX**

**With 3.0% Iron**  
*Seaweed Extract with Natural Occurring  
Micro-nutrients, Amino Acids & Vitamins*

Norwegian Kelp extract is considered to be the superlative choice for agriculture or horticulture use. Our Extract contains over 60 nutrients: major N-P-K; secondary calcium, magnesium, sulfur; micro-nutrients; amino acids; and vitamins. The micro-nutrients in our extract are in a natural chelated form (alginic acid and mannitol) and promote and enhance plant color and vigor. Our extract is made using low temperature processing which does not destroy the amino acids and vitamins like high temperature processing does.

**SPECIAL FUNCTIONS:**

- Foliar Feeding – field, vegetable & fruit crops
- Enhances seed germination – seed inoculant
- Increases plants resistance – drought, diseases and production stress
- Improves vigor and color – enhances chlorophyll production

**DIRECTION:** Use as a foliar spray, applied by itself or in combination with other liquid or water soluble fertilizers or pesticides.

**FOLIAR APPLICATION RATES:** Dissolve in water before using. Apply as a full coverage spray:

Fruit & Nut Trees:

Use 5 to 12 ozs. per acre, dissolve in 50 to 100 gallons of water.  
(340 to 817 cc per hectare in 454 to 908 liters of water)

Field & Vegetable Crops:

Use 12 ozs. per acre, dissolve in 50 to 100 gallons of water.  
(817 cc per hectare in 454 to 908 liters of water)

Turf Shrubs, Ornamental Landscaping:

Use 2 to 5 Ozs. per acre, dissolve in 50 to 100 gallons of water.  
(136 to 340 cc per hectare in 454 to 908 liters of water)

(Additional detailed information on label covers bloom sprays, timing, combination sprays, etc.)

# GROW MORE

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Product Info Sheet: **ROOTPLEX (w/ 3.0% Iron)** ..... Page =2=

## TYPICAL ANALYSIS:

### N-P-K & Secondary Nutrients:

Nitrogen (N)	0.10-0.38%	Magnesium (Mg)	0.41-0.88%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.10-0.20%	Sulfur (S)	1.70-2.00%
Potassium (K <sub>2</sub> O)	0.96-1.80%	Chlorine (Cl)	0.24-0.28%
Calcium (Ca)	0.88-2.60%	Sodium (Na)	0.28-0.40%

### Micro-nutrients:

Boron (B)	9.60-12.0 ppm	Iron (Fe)	30,000 ppm
Cobalt (Co)	0.12- 1.3 ppm	Manganese (Mn)	1.20- 6.0 ppm
Copper (Cu)	0.48-1.80 ppm	Zinc (Zn)	4.20-12.0 ppm

### Growth Compounds:

- : 0.12 - 0.14 grams per gal. of Seaweed Extract
- : 0.22 - 0.26 grams per gal. of Seaweed Extract
- : Approximate 100 ppm

### Carbohydrates, Protein & Organic Acids:

Mannitol	1.0%	Crude Protein	0.48-1.2%	Ash	2.0-2.6%
Alginic Acid	3.5%	Crude Protein	0.60-1.2%	Other Sugars	6.0%

### Vitamins:

Vitamin E	0.24 - 4.20 mg/100g	Niacin	2.50 - 4.00 ppm
Biotin	0.02 - 0.09 ppm	Riboflavin	1.00 - 2.00 ppm
Carotene	3.00 - 10.00 ppm	Thiamine	0.14 - 0.29 ppm
Folic Acid	0.04 ppm	Vitamin C	12.00 - 240.00 ppm

### Plus: Trace Amounts of Amino Acids:

Alanine	Glycine	Lysine	Serine
Arginine	Glutamic Acid	Methionine	Threonine
Aspartic Acid	Histidine	Ornithine	Tryptophane
Citrulline	Isoleucine	Phenylalanine	Tryosine
Cystine	Leucine	Proline	Valine

Note: ppm equivalent to mg/L

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