

MARINER CHALLENGE

COLD PROCESSED SEAWEED

8-32-5

GUARANTEED ANALYSIS:

Total Nitrogen (N).....	8.0%
8.0% Ammoniacal Nitrogen	
Soluble Phosphate (P2O5).....	32.0%
Soluble Potash(K2O).....	5.0%
Zinc(Zn).....	0.50%

Derived from: Ammonium Poly Phosphate, Potassium Tri-Poly Phosphate, Phosphoric Acid, Zinc Sulfate and Ascophyllum Nodosum
Wt per gal: 11.81 lb@68 F 1.42 Kg/Ltr @ 20 C

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS: .25% Humic Acid (Derived from Leonardite)

DIRECTIONS FOR USE

TURF GRASSES: Apply at 2-8 oz/1000 sq. ft. in adequate water for sufficient coverage.
FIELD CROPS:
Alfalfa (hay): Apply 2 - 4 quarts per acre 5 days after each cutting.
Alfalfa (seed): Apply 3 - 4 quarts at pre-bloom and several more times at 3-week intervals.
Barley, Wheat, Small Grains: Apply 2 - 3 quarts per acre when plant is 10 inches, and again prior to heading out.
Cotton: Apply 2 quarts per acre at first true leaf. Repeat at first square and again at 2-week intervals.
Rice: Apply 2-3 quarts per acre at boot stage and 1-2 weeks prior to bloom. Repeat again 2 weeks after bloom.
Tobacco: Apply 1-2 quarts per acre in transplant water. Apply 1-3 quarts after transplant. Repeat at 2-3 week intervals.

VEGETABLE CROPS:

Artichokes, Beans, Peas, Melons, Squash, Cucumbers, Tomatoes, Peppers: Apply 2 - 4 quarts per acre at bud stage, prior to bloom and then an additional application every 2 weeks.

Cole Crops (Transplant and Direct Seed): Apply 1 - 2 quarts at 4-6 true leaf stage, 2 - 3 quarts at bud stage, and 2 - 3 quarts at two week intervals.

Corn: Apply 2 - 3 quarts when plant is 21 inches and again prior to tasseling.

Lettuce, Spinach, Celery: Apply 2 - 3 quarts after thinning spinach and lettuce. Apply 2 weeks after celery transplant. Apply again every 2 weeks thereafter.

Potatoes, Yams: Apply 2 - 3 quarts when plants are 6 inches high. Apply two more times at three week intervals.

Soybeans: Apply 2 - 3 quarts at bud stage and repeat again at pod-fill.

Other Vegetable Crops and Root Crops: Apply 2 to 3 quarts per acre every 2 weeks after plants are established.

TREE , VINE, BERRY CROPS:

Apples and Pears: Use 2 to 4 quarts per acre at pre-bloom, petal fall, and once again 3-4 weeks later. Do not apply to Melrose Apples..

Apricots, Cherries, Almonds, Plums, Peaches, Prunes, Nectarines: Apply 2-4 quarts pre-bloom. Repeat rate after petal fall. A third application may be required .

Citrus: Use 4 to 6 quarts per acre at early bud stage, prior to bloom, and again at early fruit set and at fruit size. Do not combine with oils.

Boysenberries, Blackberries, Cranberries, Blueberries, Raspberries: Apply 2 - 3 quarts / acre at pre-bloom and at 2 week intervals thereafter.

Grapes: Apply 1-2 quarts per acre when canes reach 15 - 20 inches. Apply another 2 - 3 quarts at pre-bloom buckshot stage and at 4-6 weeks prior to harvest

Pecans, Pistachios, Walnuts: Apply 3-4 quarts per acre at pre-bloom, and again every 4 - 6 weeks until 30 days prior to harvest.

Strawberries: Apply 2 - 3 quarts per acre at 2-week intervals beginning at pre- bloom and continuing throughout the season.

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

GENERAL INFORMATION

MARINER CHALLENGE is designed to be used primarily for foliar application and for use on turf crops. It may be used as a starter fertilizer with seed or transplants. It may also be soil applied. MARINER CHALLENGE is intended to be a supplement to a regular fertilizer program. Rates on this label are for foliar application. May be applied by ground or air.

WARNING

PRECAUTIONARY STATEMENTS

WARNING Hazardous to humans and animals. Causes eye and skin irritations. When mixing or applying agricultural sprays, always wear spray goggles and impervious gloves plus protective clothing as recommended on pesticide labels.

FIRST AID

If this product gets into the eyes, immediately wash the eyes with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower lids. Obtain immediate medical treatment. If this product gets on the skin, immediately wash the contaminated area. Seek medical attention if skin irritation persists. If this product has been swallowed and the person is conscious, immediately give large volumes of water. Do not induce vomiting. Seek immediate medical attention.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Rinse container. Empty rinsate into spray tank. Dispose of empty container according to approved local practices. Contact county agricultural commissioner for disposal information.

CONDITIONS OF SALE

Follow directions carefully. Timing and methods of applications, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

SHAKE WELL



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