



**SPORT TURF SUPPLY, INC.**  
**(334) 702-4101**  
**SPORTTURFSUPPLY.COM**

**TECHNICAL DATA SHEET**



**An organic based liquid concentrate composed of  
 SEA-KELP, SOLUBLE FISH MEAL, CARBOHYDRATES & VITAMINS**

**PRODUCT DESCRIPTION**

12-4-6 Natural Nutrition offers balanced nutrition from natural sources. The combination of sea plant extract, fulvic acids, amino acids and secondary nutrients allows this product to be an excellent source of elemental nutrition and carbon supplementation. 12-4-6 Natural Nutrition gives prompt color response, improves root growth and speeds recovery of damaged turf.

GUARANTEED ANALYSIS 12-4-6	
Component	Specification
Nitrogen (3.0% Water Soluble Organic N; 9.0% Water Insoluble N)	12.0
Phosphorus (% as P2O5)	4.0
Potassium (% as K2O)	6.0
Vitamin C (% as Ascorbic Acid)	3.0
Vitamin B1 (% as Thiamine)	0.3
Vitamin E (% as Alpha-tocopherol)	0.10
Seaweed Extract (%)	4.0
Fulvic Acid (%)	2.0
pH	7.3-7.8
Specific Gravity	1.23

**APPEARANCE**

- Dark Brown liquid
- Musty odor

**TECHNICAL SPECIFICATIONS**

- Specific Gravity: 1.23
- pH: 7.3-7.8
- Derived from Urea, soluble fish meal seaweed extract, molasses and humic substances
- Lbs./gal = 10

**STORAGE STABILITY**

- 36 Months

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 P.O. BOX 8243  
 DOTHAN, ALABAMA 36304



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# RATES AND DIRECTIONS



**An organic based liquid concentrate composed of  
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### FIELD AND TREE CROPS

Foliar Application	Apply 1 to 3 gallons per acre in at least 20 gallons of water every 2 to 4 weeks or as needed.
In Furrow Application	Apply at a rate 1 to 5 gallons per acre in at least 20 gallons of water.

### POUNDS OF NITROGEN APPLIED

Gallons/Acre	Rate of Nitrogen
1 Gallon	1.26 pounds
2 Gallons	2.52 Pounds
3 Gallons	3.78 Pounds
4 Gallons	5.04 Pounds
5 Gallons	6.30 Pounds

#### General Use Guide

##### Athletic Fields

Apply 1.0 to 3.0 gallons per acre in a minimum of 40 gallons of spray solution per acre. Repeat application every two to four weeks depending on conditions and desired effects. Establish an application schedule that allows treatments to immediately follow heavy traffic events providing for quicker recovery.

##### Golf Course Greens and Tees

Apply 3.0 to 6.0 ounces per 1000 sq. ft. in a minimum of 40 gallons of spray solution per acre. Repeat application every two to four weeks depending on conditions and desired effects. Best results are obtained using the lower rate applied more frequently.

##### Fairways

Apply 1.0 to 3.0 gallons per acre in a minimum of 40 gallons of spray solution per acre. Repeat application every two to four weeks depending on conditions and desired effects. Best results are obtained using the lower rate applied more frequently.

#### Special Use Guide

##### Aeration Recovery

Apply 3.0 to 6.0 ounces per 1000 sq. ft. in a minimum of 40 gallons of spray solution per acre immediately following aeration. Apply 6.0 ounces per 1000 sq. ft. with regular fertility program one week following aeration.

##### New Seedling Sod Establishment and Over-Seeding

Apply 6.0 ounces per 1000 sq. ft. in a minimum of 40 gallons of spray solution per acre. Repeat application every two weeks until seed germination or sod establishment. Once established, apply at 3.0 to 6.0 ounces per 1000 sq. ft. every two to four weeks depending on conditions and desired results.

##### Gardens, Lawns And Plantings

Apply at a rate of 3.0 to 6.0 ounces per 1000 sq. ft. Water plants and soil thoroughly to a depth of 1/2" to 1". Repeat every 14 to 21 days.

##### Vegetables and Ornamentals

Apply at a rate of 1 ounce (2 tbl.) of concentrate per 1 gallon of water. Apply directly to soil. Repeat every 14 to 21 days.

##### Application Guideline

12-4-6 Natural Based Liquid Fertilizer is compatible with most products. A compatibility test should be performed prior to mixing with other products.

Shake product well prior to use.

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