



# NutriSync Essential 3D

10-4-6

GUARANTEED ANALYSIS	
Total Nitrogen (N) .....	10.00%
10.00% Urea Nitrogen .....	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4.00%
Soluble Potash (K <sub>2</sub> O) .....	6.00%
Boron (B) .....	0.02%
Cobalt (Co) .....	0.0005%
Copper (Cu) .....	0.05%
0.05% Chelated Copper .....	
Iron (Fe) .....	0.10%
0.10% Chelated iron .....	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese .....	
Molybdenum (Mo) .....	0.0005%
Zinc (Zn) .....	0.05%
0.05% Chelated Zinc .....	
<b>Derived From:</b> Urea, Potassium Acetate, Potassium Hydroxide, Phosphoric Acid, Zinc EDTA, Manganese EDTA, Copper EDTA, Cobalt Sulfate, Iron HEDTA, Sodium Borate, Sodium Molybdate	

**WARNING:** This product contains boron (B) and may be harmful to certain crops. Use only according to manufacturer's directions.

**WARNING:** This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions.

## KEEP OUT OF REACH OF CHILDREN

### FIRST AID

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.**

### DIRECTIONS FOR USE:

Apply as needed based on soil tests or according to recommendations in your nutrient management plan.

#### APPLICATION INSTRUCTIONS

Crop	Application rate per acre	Application Directions and Timing
(01) Root and Tuber Vegetables including Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Potato, Radish, Sugar Beet, Sweet Potato, Turnip	1.0 to 4.0 qts	1st: At 2- to 4-true leaf stage.  May repeat application at 14- to 21-day intervals until harvest. Thorough spray coverage is necessary.
(03) Bulb Vegetables including Garlic, Leek, Onion	2.0 to 4.0 pts	1st: At 3-leaf stage.  Repeated applications can be made every 10 to 14 days up until 10 days prior to harvest. Thorough coverage and leaf wetting is required.
(04) Leafy Vegetables including Celery, Head and Leaf Lettuce and Spinach	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Repeat applications can be made every 14 to 21 days up until 10 days prior to harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(05) Brassica Vegetables including Broccoli, Cabbage, Cauliflower, Kale, and Mustard greens	2.0 to 6.0 pts	1st: At 2- to 4-true leaf stage.  Repeat applications can be made every 10 to 14 days up until 10 days prior to harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(06) Legume Vegetables (Succulent or Dried) including Bean (all types), Peas and Soybeans	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Repeat applications can be made every 10 to 14 days.
(08) Fruiting Vegetables including Eggplant, Pepper and Tomato	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage or after transplant recovery.  Repeat applications every 10 to 14 days up until 10 days prior to harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(09) Cucurbit Vegetables including Cantaloupe, Cucumber, Honeydew, Muskmelon, Squash (summer and winter) and Watermelon	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Repeat applications can be made every 10 to 14 days up until 10 days prior to harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(10) Citrus Fruit including Grapefruit, Lemon, Lime, Sweet Orange and Tangerine	1.0 to 4.0 qts	Apply prior to spring and summer root flush or when trees show signs of sugar accumulation in the leaves due to inadequate phosphorus mobility.  Repeat application at 14-day intervals as needed.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(11) Pome Fruits including Apple and Pear	2.0 to 4.0 qts	Beginning at petal fall. Continue in cover sprays until harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(12) Stone Fruits including Apricot, Cherry, Peach and Plumcot	2.0 to 6.0 pts	Beginning at full leaf emergence. Avoid applications while flowers are open. Can repeat as needed every 14 to 21 days until harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.

#### Application Instructions Cont'd.

Crop	Application rate per acre	Application Directions and Timing
(13) Berry and Small Fruit including Blackberry, Blueberry, Caneberry, Kiwi, Raspberry and Grape (except Strawberry)	2.0 to 6.0 pts	1st: At full leaf emergence2nd: just prior to bloom.  Can repeat as needed every 14 to 21 days until harvest.  Co-factors in NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(13) Strawberry	2.0 to 4.0 pts	1st: After transplant recovery. 2nd: 10 to 14 days later before bloom.  Can repeat as needed every 14 to 21 days until harvest.  Co-factors in NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(14) Tree Nuts including Almonds, Cashews and Pecans	1.0 to 4.0 qts	Beginning at full leaf emergence. Avoid applications while flowers are open.  Can repeat as needed every 14 to 21 days until harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(15) Cereal Grains including Barley, Corn (field, pop, sweet), Millet, Oats, Rice, Sorghum and Wheat	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Applications can be made at 14- to 21-day intervals up to leaf senescence.
(16) Forage, Fodder and Straw of Cereal Grains	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Applications can be made at 14- to 21-day intervals up to leaf senescence.
(17) Grass Forage, Fodder and Hay	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Additional applications between cuttings may improve feed quality and increase stand vigor.
(18) Nongrass Animal Feeds including Alfalfa, Clover, Hay and Vetch	2.0 to 4.0 pts	Seeding alfalfa, clover, hay and vetch: Apply at 2- to 4-trifoliate stage.  For established crop, application at green-up and 5 to 10 days after each cutting has shown significant improvement in feed quality.
(19) Herbs and Spices including Basil, Dill, Mustard and Sage	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Repeated applications can be made every 14 to 21 days up until 10 days prior to harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
(20) Oil Seed Crops including Canola, Flax and Sunflower	2.0 to 4.0 pts	1st: At 2- to 4-leaf stage.  Repeated application can be made every 14 to 21 days until crop senescence.
(22) Stalk, Stem and leaf petiole vegetables, Asparagus, bamboo shoots and celery	2.0 to 4.0 pts	1st: 10 days after emergence.  Repeated applications can be made every 14 to 21 days up until harvest.  NUTRISYNC ESSENTIAL 3D will perform best with minimum 1% concentration of NUTRISYNC ESSENTIAL 3D in the final solution.
Cotton	1.0 to 4.0 qts	1st: At 2- to 4-true leaf stage.  Repeated applications can be made every 14 to 21 days.
Peanut	2.0 to 4.0 pts	1st: At 2 to 4 true leaf stage.  Repeated applications can be made every 13 to 21 days. Beginning bloom to beginning seed fill is a critical period.
Sugarcane	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Applications can be made at 14- to 21-day intervals up to leaf senescence.

#### Application Instructions Cont'd.

Crop	Application rate per acre	Application Directions and Timing
Tobacco	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage.  Repeated applications can be made every 14 to 21 days.
Ornamental and Landscape	2.0 to 4.0 pts	Begin on emergence of spring growth or deficiency symptoms.  Repeat every 14 to 21 days as needed. Use minimum 1:200 dilution rate or 0.7 fl.oz / gal of spray volume
Turf	1.0 to 2.0 oz /1000 sq ft	Begin on emergence of spring growth or deficiency symptoms.  Repeat every 14 to 21 days as needed. Use minimum 1.0 gallon spray solution per 1000 sq ft.

#### STORAGE and DISPOSAL

**STORAGE:** Store product in dark fiberglass or plastic containers out of direct sunlight or UV light. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. PROTECT FROM FREEZING. Do not contaminate water, food, or feed by storage or disposal. Avoid containers, piping, or fittings made of brass, bronze or other copper-containing alloys, or galvanized metal.

**DISPOSAL:** Do not reuse container for other purposes. Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/>) or by reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters or spray waste.

**HANDLING:** Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

**For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.**

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**BEFORE BUYING OR USING THIS PRODUCT**, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

**Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-lpi.com>

NUTRISYNC is a registered trademark of Loveland Products, Inc



#### WARNING

This product can expose you to chemicals including cobalt sulfate, which is known to the State of California to cause cancer, and lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## F1548 FOR AGRICULTURAL AND PROFESSIONAL USE ONLY



Density: 9.82 lbs/gallon @ 68 °F  
**Liquid Measure: 265 gallons (1003.13 liters)**  
**Net Weight: 2,602.30 lbs (1180.38 kg)**  
Product code: 1001168134



Density: 9.82 lbs/gallon @ 68 °F  
**Liquid Measure:       gallons (       liters)**  
**Net Weight:       lbs (       kg)**  
Product code: 1001172866

**GUARANTEED BY: LOVELAND PRODUCTS, INC.® P.O. BOX 1286 GREELEY, CO 80632-1286**