



GUARANTEED ANALYSIS

Total Nitrogen (N)	17.00%
2.00% Ammoniacal Nitrogen	
5.20% Urea Nitrogen	
9.80% Other Water Soluble Nitrogen*	
Zinc (Zn)	5.00%
5.00% Chelated Zinc	

DERIVED FROM: Urea, Triazone, Methylene Urea, and Zinc EDTA.

*7.80% Slowly available nitrogen from triazone and methylene urea.

KEEP OUT OF REACH OF CHILDREN



WARNING

Harmful if inhaled.

PRECAUTIONARY STATEMENTS

Avoid breathing vapors. Use only outdoors or in a well-ventilated area.

FIRST AID

In all cases, call a poison control center or doctor for further treatment advice. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.

For chemical spills, leaks, fire or exposure, call CHEMTREC: (800) 424-9300.

STORAGE AND DISPOSAL

Store in a safe manner. Store in original container only and keep tightly sealed when not in use. Store product and dispose of unused product and empty containers in accordance with federal, state and local regulations.

GENERAL INFORMATION

NDEMAND® NITROZIN® is designed primarily for foliar applications to prevent or correct nitrogen and zinc deficiencies in a wide range of agronomic and ornamental plants. Its use is suggested as a supplement to a regular, balanced fertilizer program to enhance yields and improve quality. Application of NDEMAND NITROZIN is a means of obtaining a quick response to needed nitrogen and zinc. Foliar applications of NDEMAND NITROZIN may be particularly beneficial during periods of peak nutrient demand, for crops grown on soils having poor nutrient availability or to crops suffering from a weakened root system.

Zinc is critical for activation of many plant enzyme systems. Deficiency symptoms include shortened internodes, interveinal chlorosis, "little leaf" at terminals and poor fruit set and/or quality. Zinc has low mobility in plants and soils and therefore may require more than a single treatment per season to satisfy the needs of actively growing plants.

NDEMAND NITROZIN should be used as part of a comprehensive Total Nutrition System® for optimizing plant growth, development, yield and quality.

DIRECTIONS FOR USE

NDEMAND NITROZIN may be applied as a foliar spray by air, ground concentrate or dilute. Maintain agitation to provide uniform distribution within spray tank. Use of a high quality CPDA approved spreader, such as R-11®, at recommended rates to improve spray cover is usually advised. Do not apply when plants are under excessive heat or moisture stress. Applications of foliar nutrients to leafy vegetables or soft-skinned fruit during periods of excessive temperatures may cause cosmetic injury. Applications of zinc and other metals to fleshy fruit within 30 days of harvest may result in staining of rind or skin.

Timing of application should be based on crop nutrient demand, prevailing environmental conditions, plant tissue analysis data or other information that indicates the need for fast-acting supplemental zinc or nitrogen.

FIELD AND ROW CROPS: Use 2-8 quarts by ground application with a minimum of 10 gallons of water per acre. Use 1-4 quarts by aerial application with a minimum of 5 gallons of water per acre. Repeat applications as needed.

VEGETABLE CROPS: Apply at 8-32 ounces per acre as needed. Local knowledge on safety of foliar sprays to certain leafy greens should be considered before making such applications.

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

CITRUS: Use at 1-4 quarts per acre as needed.

DECIDUOUS FRUIT AND NUT CROPS (Excluding Apples and Pears): Apply 1-2 quarts per acre from bud swell to early bloom and 1-4 quarts per acre post-bloom to pre-harvest. Avoid applications to fleshy fruit within 30 days prior to harvest. Rates as high as 1-2 gallons per acre may be used post-harvest. Some leaf spotting may occur. **Note:** Foliar zinc applications followed by rain or overhead sprinkler irrigation on certain *Prunus* species may result in leaf shot-holing.

APPLES AND PEARS: Not for use in-season on bearing orchards. For post-harvest use in bearing orchards up to 4 gallons per acre may be used. Some leaf spotting may occur. May be used in-season on non-bearing orchards at 1-4 quarts per acre.

GRAPES: Apply 1-4 quarts per acre as needed 10-14 days prior to bloom to help reduce shatter induced by zinc deficiency. In-season rates of 1-4 quarts per acre are advised, as needed.

SORGHUM/MILO: Apply prior to heading. Applications of 2 quarts per acre are generally recommended, but rates up to 8 quarts of NDEMAND NITROZIN with a minimum of 5 gallons of water per acre to ensure complete coverage may be used in ground applications. When aerially applied, 2-6 quarts with a minimum of 3 gallons of water may be used. Rates in excess of 2 quarts per acre may cause cosmetic leaf burn under conditions of high temperatures and very high or low relative humidity.

SPORTS TURF, INCLUDING GOLF COURSES AND ATHLETIC FACILITIES: Use at 0.5-1.0 ounce per 1,000 square feet as needed.

COMPATIBILITY

NDEMAND NITROZIN is compatible with most co-applied nutrients as well as crop protection chemicals. Always jar test new combinations for compatibility prior to field mixing. Care should be taken when blending with highly acidic materials, such as TRI-FOL®, so as to not reduce spray solution pH below 5.5-6.0.

SPECIAL CONSIDERATIONS: NDEMAND NITROZIN has an alkaline pH and may raise spray solution pH. When tank mixed with materials sensitive to alkaline hydrolysis the use of a buffer or acidifier at recommended rates is advised. Add buffer or acidifier before adding NDEMAND NITROZIN. Reducing pH below 5.5-6.0 may result in precipitation. Not for use in-season on apple or pear orchards bearing fruit.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of the product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer and User accept all risks arising from any use of this product, including without limitation uses contrary to label instructions, under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.

To the extent permitted by law, neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

WILBUR-ELLIS logo, Ideas to Grow With, NDEMAND, NITROZIN, R-11, Total Nutrition System, and TRI-FOL are registered trademarks, and NDEMAND logo is a trademark of Wilbur-Ellis Company LLC.

K-082317

Manufactured by: WILBUR-ELLIS COMPANY LLC
7 E. Washington Ave., Yakima, WA 98903 • (509) 248-6171

NET CONTENTS: 2.5 GALLONS (9.46 Liters)

WEIGHT PER GALLON: 10.8 POUNDS at 68°F