

**NDemand® POLISH®** is a polymer-based combination of multiple nitrogen sources designed for foliar applications to correct or prevent nutrient deficiencies in a wide range of agronomic and ornamental plants. **NDemand POLISH** is fortified with calcium, magnesium and zinc to provide a more complete foliar nutrition package. This unique polymer technology promotes moisture retention for a safer, more efficient source of foliar nutrition.

Foliar applications of **NDemand POLISH** may be particularly beneficial during periods of peak nutrient demand, for crops grown on soils having poor nutrient availability or crops suffering from a weakened root system.

## Features and Benefits

- Low salt index, ammonia and biuret levels (i.e., low burn potential, excellent crop safety)
- Improved uptake for rapid response in critical nutrient demand periods
- Enhanced crop yield and quality
- Tank mix compatible with a wide range of plant protection products and can be blended with other nutritional products to provide additional nutrients during critical growth stages

## Function of Calcium in Plants

Calcium is known as the “structural element” due to its critical role in cell wall strength as well as maintaining solid physical integrity of many plant organs. Calcium is required for carbohydrate translocation, cell membrane function, new cell formation and disease tolerance.

Calcium deficiency symptoms include death of terminal growth, blossom or fruit abortion, weak stems, and internal physiological disorders in fruit and vegetable crops. Responses to timely foliar calcium applications may include higher fruit sugar content, increases in fruit size, improved fruit retention, and reduced internal disorders such as storage rot, fruit cracking, bitter pit and leaf tip burn.

## Functions of Magnesium in Plants

Magnesium is the central atom in chlorophyll and is therefore critical for photosynthesis to occur. Magnesium performs enzyme activation duties and assist in phosphate transport in plants. Deficiency symptoms include leaf curling and interveinal chlorosis on older leaves first producing a distinct “Christmas Tree” pattern along midrib. Magnesium deficiencies in range environments can cause grass tetany in grazing livestock.

## Function of Zinc in Plants

Zinc is a critical activator of many enzyme systems. Zinc deficiency symptoms include poor fruit set, reduced yields, shortened internodes, reduced leaf size, and interveinal chlorosis. Responses to zinc applications may include better fruit set and retention, higher yields, normal stem length, and full leaf expansion.

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## Guaranteed Analysis

Total Nitrogen (N) .....	10.00%
4.70% Nitrate Nitrogen	
1.70% Urea Nitrogen	
3.60% Water Soluble Nitrogen*	
Calcium (Ca).....	4.00%
Magnesium (Mg).....	0.80%
Zinc (Zn) .....	1.20%

DERIVED FROM: Calcium Nitrate, Magnesium Nitrate, Zinc Nitrate, Triazone, Methylene Urea, and Amino Acids.

\*3.60% Slowly available nitrogen from triazone and methylene urea.

## Product Applications

For row crops, vegetable crops, tree, and vine crops, apply 1-8 pints per acre.

**GROUND APPLICATIONS:** Apply the recommended amount of **NDemand POLISH** with sufficient water to provide desired coverage. When very low volumes of water are used, a slight burning of the foliage may occur. Ground applications should not exceed 1 quart per gallon of water. For high volume ground applications (100 gallons per acre or more), rates as high as 2.5 gallons per acre may be used.

**AERIAL APPLICATIONS:** Usually a minimum of 5 gallons of water per acre is sufficient to apply the recommended amount of **NDemand POLISH**. If less water is used, a slight burning of the foliage may occur. Aerial applications should not exceed 1 quart per gallon of water. For specific crop recommendations, consult your local Wilbur-Ellis Company representative.

Thorough and even spray coverage is essential for maximum nutrient uptake and crop safety. Always include a high quality CPDA approved spreader, such as **R-11®**, at recommended rates.



WILBUR-ELLIS®

Ideas to Grow With™