

# TechBulletin: Nitrogen Comparison

**The Nature's Source Difference:** The Oilseed Extract base provides a lower EC and Enhanced Nutrient Use Efficiency (ENUE) as the plant takes up the Nature's Source nutrition. The low salt nutrition provided by Nature's Source plant foods reduces the salt stress and stores more efficiently in the vacuole of the plant cell walls, providing the plant extended nutrient availability on fresh water days. This also allows plants to continue to bloom even in the heat of the summer, extending your market window of offering plants in bloom.

## Comparison

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Nature's Source weighs 10 lbs. per gallon.

When comparing the amount of nitrogen in Nature's Source 10-4-3 or 10-4-5 to other water-soluble fertilizers, one must make the comparison based on weight.

### Example:

#### Nature's Source 10-4-3 or 10-4-5

- 5 gallons = 50 lbs.
- 10% Nitrogen
- Provides **5 lbs. of N**

#### Water-soluble 20-10-20 bag

- One bag = 25 lbs.
- 20% Nitrogen
- Provides **5 lbs. of N**

#### Water-soluble 17-4-17 bag

- One bag = 25 lbs.
- 17% Nitrogen
- Provides **4.25 lbs. of N**

Although Nature's Source 10-4-3 and 10-4-5 are 10% nitrogen, they are twice the weight. Therefore, 5 gallons of Nature's Source will yield the same amount or more nitrogen when compared to one bag of water-soluble nitrogen fertilizer.

### Bottom Line:

The ENUE of Nature's Source 10-4-3 and 10-4-5 by the plant,  
are Equivalent to 20-8-18\*

With All the Trace Elements, Ca & Mg

Don't forget all micronutrients are also double weight

\*Benefit of amino acids and high availability of K from oilseed extract

### Referenced Products

Nature's Source® Professional Plant Food 10-4-3

Nature's Source® Nursery & Landscape Special Plant Food 10-4-5

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**NATURE'S**  
**SOURCE**®