



## Technical Data

**9.84**

Weight/Gallon  
@ 68°F

**1.179**

Specific Gravity

**7.2-7.8**

pH @ 68°F

**35° F**

Freezing Point

### DIRECTIONS FOR USE

NResponse™ can be used anywhere nitrogen is recommended. It is specially formulated to allow for foliar sprays and planter time applications.

#### NResponse™ can be applied:

- by planter placement in a band away from the seed (ex: 2"x 2")
- as a topdress or sidedress application
- as part of a foliar fertility program
- through fertigation

If applied with other crop production or protection products, please consult your AgroLiquid representative for the best application method.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 10
Vegetables and Fruit Crops	0 - 30*
Orchards and Vineyards	0 - 30*

#### In-Season Application Rates - Per Application

Field and Row Crops	1 - 100	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 100	Sidedress or Fertigation
Orchards and Vineyards	1 - 100	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0 - 3
Vegetables and Fruit Crops	0 - 3
Orchards and Vineyards	0 - 3

\* = Not recommended in transplant solution.

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**24.00%**

2.00% Nitrate Nitrogen  
2.00% Ammoniacal Nitrogen  
20.00% Urea Nitrogen

### Sulfur (S)

**1.00%**

1.00% Combined Sulfur

Derived from: Ammonium Nitrate,  
Ammonium Sulfate, Urea



Guaranteed by: AgroLiquid  
Division of COG Marketers, Ltd.  
3055 W M-21  
St. Johns, MI 48879  
[agroliquid.com](http://agroliquid.com)



## Directions For Use General Guideline:

For proper agronomic application rates suitable for your geographical area or the maximum allowable non-nutrient application rate per acre, consult a trained soil specialist at AgroLiquid or call or write to AgroLiquid with the address provided.

NResponse™ performs well on all crops. This premium nitrogen product provides more flexibility in application than other nitrogen fertilizers. Specifically formulated for effective foliar and soil applications, NResponse is quickly assimilated into the crop, providing a fast nitrogen response. It contains the same dynamic forms of nitrogen found in other AgroLiquid nitrogen products. NResponse has proven, in situations where a quick nitrogen response is needed, to improve yields and quality compared to conventional nitrogen sources.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0-3 gal/A
Corn (Silage) 30" Row Spacing	0-3 gal/A
Wheat	0-10 gal/A

Broadcast, or banded not less than 2" from the seed furrow, surface banded, or applied through drip irrigation at the base of the plant

### RATE: 1-100 gallon/acre

Corn	Cotton	Potato
Soybean	Sugarbeet	Alfalfa
Sorghum	Canola	
Dry Beans	Wheat	

### RATE: 1-30 gallon/acre

Grapes	Apples	Tree Fruit
Tomato	Tree Nuts	Vegetables
Tobacco		

## Foliar Application Recommendations

When used as part of a planned crop nutrition program or if nutrient deficiencies are observed

**RATE: 0.25-3 gallon/acre** unless otherwise noted

<b>Corn</b> Apply up to kernel dough	<b>Grapes</b> Apply up through fruit ripening
<b>Soybean 30" and 15" Rows</b> Apply up to R4	<b>Tomato</b> Apply up through fruit ripening
<b>Sorghum</b> Apply up to kernel dough	<b>Apples</b> Apply from bloom through the last cover spray
<b>Dry Beans</b> Apply up to R4	<b>Tobacco</b> Apply at any time through the growing season
<b>Cotton</b> Apply up to flowering	<b>Tree Nuts</b> Apply to foliage from bloom through the last cover spray
<b>Sugarbeet</b> Apply at any stage	<b>Other Tree Fruits</b> Apply from bloom through the last cover spray
<b>Canola</b> Apply at any growth stages from 2 (rosette) to stage 7 (seed set)	<b>Vegetables</b> Apply at any time during the season up to fruit ripening
<b>Wheat</b> Apply at any growth stages from Feekes 4 up to Feekes 11.1 (kernel milk stage)	
<b>Potato</b> Apply at any growth stage	
<b>Alfalfa</b> Apply to 6" or more of growth at any time during the season but not later than 10 days prior to cutting	

## In-Season Soil Application Use Rate Per Application

<b>Corn</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Grapes</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Soybean 30" Rows</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Tomato</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Sorghum</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Tobacco</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Dry Beans</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Apples</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Cotton</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Sugarbeet</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Canola</b> Topdress; <b>RATE: 1-30 gal/A</b>	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season; <b>RATE: 1-100 gal/A</b>
<b>Wheat</b> Topdress; <b>RATE: 1-30 gal/A</b>	
<b>Potato</b> Sidedress or fertigation; <b>RATE: 1-100 gal/A</b>	
<b>Alfalfa</b> Sidedress or fertigation; <b>RATE: 1-10 gal/A</b>	

Please consult with an AgroLiquid Sales Account Manager or Agronomist for further direction when utilizing rates higher than the lower limit of the given range.

