



## Technical Data

**11.21**

Weight/Gallon  
@ 68°F

**1.342**

Specific Gravity

**6.0-6.4**

pH @ 68°F

**10° F**

Salt Out Point

### DIRECTIONS FOR USE

The quality and composition of PrG™ allows placement directly into the root zone with little risk of tissue damage, giving PrG greater efficacy and more application flexibility.

#### PrG can be applied:

- with versatile planter placement options
- broadcast or banded over the top of or next to the seed zone
- as a topdress or sidedress application
- as a foliar treatment
- through fertigation
- with crop protection products

Broadcast application may reduce PrG efficiency.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

#### Gallons Per Acre

Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 20 or 2% in Transplant Solution
Orchards and Vineyards	0 - 20 or 2% in Transplant Solution

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

Field and Row Crops	1 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 20	Sidedress or Fertigation
Orchards and Vineyards	1 - 20	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.25 - 3
Vegetables and Fruit Crops	0.25 - 3
Orchards and Vineyards	0.25 - 3

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**9.00%**

1.00% Nitrate Nitrogen  
7.00% Ammoniacal Nitrogen  
1.00% Urea Nitrogen

### Available Phosphate (P<sub>2</sub>O<sub>5</sub>)

**24.00%**

### Soluble Potash (K<sub>2</sub>O)

**3.00%**

### Iron (Fe)

**0.10%**

0.10% Water Soluble Iron (Fe)

### Molybdenum (Mo)

**0.0010%**

Warning: The application of fertilizer materials containing molybdenum may result in forage crops containing levels of molybdenum which are toxic to ruminant animals.

Derived from: Ammonium Nitrate, Ammonium Sulfate, Urea, Superphosphoric Acid, Potassium Polyphosphate, Ferrous Sulfate, Sodium Molybdate



Guaranteed by: AgroLiquid  
Division of COG Marketers, Ltd.  
3055 W M-21  
St. Johns, MI 48879  
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.

PrG™ is used primarily for the application of phosphorus, but is partnered with nitrogen, potassium, and micronutrients for maximum performance. PrG™, through Flavonol Polymer Technology, contains both orthophosphate and carbon-protected polymer phosphate to provide readily available and controlled-release phosphorus with minimal danger of tie-up in the soil.

Crop	In-Furrow	In-Season Soil Application Recommendations RATE: 1-20 gallon/acre	Foliar Application Recommendations RATE: 0.25-3 gallon/acre																		
Corn (Grain) 30" Row Spacing	2-10 gal/A	<b>Corn</b> Sidedress	<b>Corn</b> Apply up to kernel dough whenever additional phosphorus is needed																		
Corn (Silage) 30" Row Spacing	2-10 gal/A	<b>Soybean 30" Rows</b> Sidedress	<b>Soybean 30" and 15" Rows</b> Apply up to R4 whenever additional phosphorus is anticipated or observed																		
Soybeans 30" Row Spacing	1-3 gal/A	<b>Cotton</b> Sidedress	<b>Sorghum</b> Apply up to kernel dough whenever additional phosphorus is needed																		
Soybeans 15" Row Spacing	2-7 gal/A	<b>Sugarbeet</b> Sidedress	<b>Dry Beans</b> Apply up to R4 whenever additional phosphorus is anticipated or observed																		
Sorghum	1-3 gal/A	<b>Wheat</b> Topdress application - up to growth stage Feekes 4	<b>Cotton</b> Apply up to flowering whenever additional phosphorus is anticipated or observed																		
Dry Beans	0-3 gal/A	<b>Potato</b> Sidedress	<b>Sugarbeet</b> Apply at any stage whenever additional phosphorus is anticipated or observed																		
Cotton	0-5 gal/A	<b>Alfalfa</b> Topdress	<b>Canola</b> Apply at any growth stages from 2 (rosette) to stage 7 (seed set) whenever additional phosphorus is anticipated or observed																		
Sugarbeet	0-3 gal/A	<b>Broadcast, or banded not less than 2" from the seed furrow, surface banded, or applied through drip irrigation at the base of the plant</b> <b>RATE: 1-20 gallon/acre</b>	<b>Wheat</b> Apply at any growth stages from Feekes 4 up to Feekes 11.1 (kernel milk stage) whenever additional phosphorus is anticipated or observed																		
Canola Drilled	2-5 gal/A		<b>Potato</b> Apply at any growth stages from 2 (rosette) to stage 7 (seed set) whenever additional phosphorus is anticipated or observed																		
Wheat (Spring or Winter)	2-10 gal/A	<table><tr><td>Corn</td><td>Canola</td><td>Tobacco</td></tr><tr><td>Soybean</td><td>Wheat</td><td>Apples</td></tr><tr><td>Sorghum</td><td>Potato</td><td>Tree Nuts</td></tr><tr><td>Dry Beans</td><td>Alfalfa</td><td>Tree Fruit</td></tr><tr><td>Cotton</td><td>Grapes</td><td>Vegetables</td></tr><tr><td>Sugarbeet</td><td>Tomato</td><td></td></tr></table>	Corn	Canola	Tobacco	Soybean	Wheat	Apples	Sorghum	Potato	Tree Nuts	Dry Beans	Alfalfa	Tree Fruit	Cotton	Grapes	Vegetables	Sugarbeet	Tomato		<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
Corn	Canola		Tobacco																		
Soybean	Wheat		Apples																		
Sorghum	Potato	Tree Nuts																			
Dry Beans	Alfalfa	Tree Fruit																			
Cotton	Grapes	Vegetables																			
Sugarbeet	Tomato																				
Potato	2-10 gal/A Direct contact with the seed piece																				
Alfalfa	1-3 gal/A																				

2% in transplant solution during transplanting.

2% in transplant solution during transplanting.

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.





# Pro-Germinator®

## Technical Data

**11.21**

Weight/Gallon  
@ 68°F

**1.342**

Specific Gravity

**6.0-6.4**

pH @ 68°F

**10° F**

Salt Out Point

### DIRECTIONS FOR USE

The quality and composition of Pro-Germinator® allows placement directly into the root zone with little risk of tissue damage, giving Pro-Germinator® greater efficacy and more application flexibility.

#### Pro-Germinator® can be applied:

- with versatile planter placement options
- broadcast or banded over the top of or next to the seed zone
- as a topdress or sidedress application
- as a foliar treatment
- through fertigation
- with crop protection products

Broadcast application may reduce Pro-Germinator® efficiency.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

#### Gallons Per Acre

Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 20 or 2% in Transplant Solution
Orchards and Vineyards	0 - 20 or 2% in Transplant Solution

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

Field and Row Crops	1 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 20	Sidedress or Fertigation
Orchards and Vineyards	1 - 20	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.25 - 3
Vegetables and Fruit Crops	0.25 - 3
Orchards and Vineyards	0.25 - 3

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**9.00%**

1.00% Nitrate Nitrogen  
7.00% Ammoniacal Nitrogen  
1.00% Urea Nitrogen

### Available Phosphate (P<sub>2</sub>O<sub>5</sub>)

**24.00%**

### Soluble Potash (K<sub>2</sub>O)

**3.00%**

### Iron (Fe)

**0.10%**

0.10% Water Soluble Iron (Fe)

Derived from: Ammonium Nitrate, Ammonium Sulfate, Urea, Superphosphoric Acid, Potassium Polyphosphate, Ferrous Sulfate



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# Pro-Germinator®

## 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.

Pro-Germinator® is used primarily for the application of phosphorus, but is partnered with nitrogen, potassium, and micronutrients for maximum performance. Pro-Germinator®, through Flavonol Polymer Technology, contains both orthophosphate and carbon-protected polymer phosphate to provide readily available and controlled-release phosphorus with minimal danger of tie-up in the soil.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	2-10 gal/A
Corn (Silage) 30" Row Spacing	2-10 gal/A
Soybeans 30" Row Spacing	1-3 gal/A
Soybeans 15" Row Spacing	2-7 gal/A
Sorghum	1-3 gal/A
Dry Beans	0-3* gal/A
Cotton	0-5* gal/A
Sugarbeet	0-3* gal/A
Canola Drilled	2-5 gal/A
Wheat (Spring or Winter)	2-10 gal/A
Potato	2-10 gal/A Direct contact with the seed piece
Alfalfa	1-3 gal/A

2% in transplant solution  
during transplanting.

### In-Season Soil Application Recommendations

**RATE: 1-20 gallon/acre**

**Corn**  
Sidedress

**Soybean 30" Rows**  
Sidedress

**Cotton**  
Sidedress

**Sugarbeet**  
Sidedress

**Wheat**  
Topdress application -  
up to growth stage Feekes 4

**Potato**  
Sidedress

**Alfalfa**  
Topdress

**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: 1-20 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### Foliar Application Recommendations

**RATE: 0.25-3 gallon/acre**

**Corn**  
Apply up to kernel dough whenever additional  
phosphorus is needed

**Soybean 30" and 15" Rows**  
Apply up to R4 whenever additional phosphorus is  
anticipated or observed

**Sorghum**  
Apply up to kernel dough whenever additional  
phosphorus is needed

**Dry Beans**  
Apply up to R4 whenever additional phosphorus is  
anticipated or observed

**Cotton**  
Apply up to flowering whenever additional phosphorus  
is anticipated or observed

**Sugarbeet**  
Apply at any stage whenever additional phosphorus is  
anticipated or observed

**Canola**  
Apply at any growth stages from 2 (rosette) to stage  
7 (seed set) whenever additional phosphorus is  
anticipated or observed

**Wheat**  
Apply at any growth stages from Feekes 4 up to  
Feekes 11.1 (kernel milk stage) whenever additional  
phosphorus is anticipated or observed

**Potato**  
Apply at any growth stages from 2 (rosette) to stage  
7 (seed set) whenever additional phosphorus is  
anticipated or observed

**Alfalfa**  
Apply to 6" or more of growth at any time during the  
season but not later than 10 days prior to cutting

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.





# springuP

## Technical Data

**9.76**

Weight/Gallon  
@ 68°F

**1.174**

Specific Gravity

**6.0-6.4**

pH @ 68°F

**22° F**

Salt Out Point

### DIRECTIONS FOR USE

The quality and composition of springuP™ allows placement directly into the root zone with little risk of tissue damage, giving springuP greater efficacy and more application flexibility.

#### SpringuP can be applied:

- with versatile planter placement options
- banded over the top of the seed zone
- through fertigation
- with crop protection products

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 20 or 2% in Transplant Solution
Orchards and Vineyards	0 - 20 or 2% in Transplant Solution

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

Field and Row Crops	1 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 20	Sidedress or Fertigation
Orchards and Vineyards	1 - 20	Soil Application or Fertigation

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**4.00%**

2.50% Ammoniacal Nitrogen  
1.50% Urea Nitrogen

### Available Phosphate ( $P_2O_5$ )

**15.00%**

### Soluble Potash ( $K_2O$ )

**3.00%**

Derived from: Ammonium Phosphate,  
Superphosphoric Acid,  
Potassium Carbonate, Urea



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# springuP

## 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.

SpringuP™ is an ideal starter liquid phosphorus solution for strong early-season performance because of its fast-release P and easy application in-furrow.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	2-10 gal/A
Corn (Silage) 30" Row Spacing	2-10 gal/A
Soybeans 30" Row Spacing	1-3 gal/A
Soybeans 15" Row Spacing	2-7 gal/A
Sorghum	1-3 gal/A
Dry Beans	0-3* gal/A
Cotton	0-5* gal/A
Sugarbeet	0-3* gal/A
Canola Drilled	2-5 gal/A
Wheat (Spring or Winter)	2-10 gal/A
Potato	2-10 gal/A Direct contact with the seed piece
Alfalfa	1-3 gal/A

## In-Season Soil Application Recommendations

**RATE: 1-20 gallon/acre**

**Corn**  
Sidedress

**Soybean 30" Rows**  
Sidedress

**Cotton**  
Sidedress

**Sugarbeet**  
Sidedress

**Wheat**  
Topdress application -  
up to growth stage Feekes 4

**Potato**  
Sidedress

**Alfalfa**  
Topdress

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: 1-20 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

2% in transplant solution  
during transplanting.

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.

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**



## Technical Data

**11.02**

Weight/Gallon  
@ 68°F

**1.321**

Specific Gravity

**6.3-6.5**

pH @ 68°F

**0° F**

Freezing Point

### DIRECTIONS FOR USE

The quality and composition of PrimAgro P® allows placement directly into the root zone with little risk of tissue damage, giving PrimAgro P greater efficacy and more application flexibility.

#### PrimAgro P can be applied:

- with versatile planter placement options, including in-furrow application
- broadcast or banded over the top of the seed zone
- as a topdress or sidedress application
- as a foliar treatment
- through fertigation
- with crop protection products

Broadcast application may reduce PrimAgro P efficiency.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 20 or 2% in Transplant Solution
Orchards and Vineyards	0 - 20 or 2% in Transplant Solution

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

Field and Row Crops	1 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 20	Sidedress or Fertigation
Orchards and Vineyards	1 - 20	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.25 - 3
Vegetables and Fruit Crops	0.25 - 3
Orchards and Vineyards	0.25 - 3

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**8.00%**

1.00% Nitrate Nitrogen  
6.00% Ammoniacal Nitrogen  
1.00% Urea Nitrogen

### Available Phosphate (P<sub>2</sub>O<sub>5</sub>)

**22.00%**

### Soluble Potash (K<sub>2</sub>O)

**2.00%**

### Sulfur (S)

**1.00%**

1.00% Combined Sulfur

### Molybdenum (Mo)

**0.0005%**

0.10% Water Soluble Iron (Fe)

Derived from: Ammonium Nitrate, Ammonium Sulfate, Urea, Superphosphoric Acid, Potassium Polyphosphate

ALSO CONTAINS NON PLANT FOOD INGREDIENTS  
Contains 401 million total colony forming units per gallon (4.01x10<sup>8</sup> total CFU/gallon) of the following bacteria:

Bacillus subtilis . . . . . 5.30x10<sup>4</sup> CFU/ml  
Bacillus methylotrophicus . . 5.30x10<sup>4</sup> CFU/ml

WARNING: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions. Microorganisms exempt from CFR requirements – 40 CFR 725. Store in a cool, dark place to maximize shelf life. Expires 12 months from delivery date.



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## 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.

Enriched with colonizing populations of phosphorus-oxidizing microbes and a proprietary blend of organically derived BioActivites™, PrimAgro P® delivers both ortho- and carbon-protected polymer phosphate, providing available phosphorus throughout the growing season. PrimAgro Technology allows poor soils to more effectively hold applied nutrients. In better soils, the technology stimulates fungal and bacterial decomposition that releases phosphorus held within organic matter.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	2-10 gal/A
Corn (Silage) 30" Row Spacing	2-10 gal/A
Soybeans 30" Row Spacing	1-3 gal/A
Soybeans 15" Row Spacing	2-7 gal/A
Sorghum	1-3 gal/A
Dry Beans	0-3* gal/A
Cotton	0-5* gal/A
Sugarbeet	0-3* gal/A
Canola Drilled	2-5 gal/A
Wheat (Spring or Winter)	2-10 gal/A
Potato	2-10 gal/A Direct contact with the seed piece
Alfalfa	1-3 gal/A

2% in transplant solution  
during transplanting.

### In-Season Soil Application Recommendations

**RATE: 1-20 gallon/acre**

**Corn**  
Sidedress

**Soybean 30" Rows**  
Sidedress

**Cotton**  
Sidedress

**Sugarbeet**  
Sidedress

**Wheat**  
Topdress application -  
up to growth stage Feekes 4

**Potato**  
Sidedress or fertigation

**Alfalfa**  
Apply prior to, or within 14 days after spring  
green-up, and/or 0 - 7 days after cutting as a  
broadcast application

**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: 1-20 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### Foliar Application Recommendations

**RATE: 0.25-3 gallon/acre**

**Corn**  
Apply up to kernel dough whenever additional  
phosphorus is needed

**Soybean 30" and 15" Rows**  
Apply up to R4 whenever additional phosphorus is  
anticipated or observed

**Sorghum**  
Apply up to kernel dough whenever additional  
phosphorus is needed

**Dry Beans**  
Apply up to R4 whenever additional phosphorus is  
anticipated or observed

**Cotton**  
Apply up to flowering whenever additional phosphorus  
is anticipated or observed

**Sugarbeet**  
Apply at any stage whenever additional phosphorus is  
anticipated or observed

**Canola**  
Apply at any growth stages from 2 (rosette) to stage  
7 (seed set) whenever additional phosphorus is  
anticipated or observed

**Wheat**  
Apply at any growth stages from Feekes 4 up to  
Feekes 11.1 (kernel milk stage) whenever additional  
phosphorus is anticipated or observed

**Potato**  
Apply at any growth stages from 2 (rosette) to stage  
7 (seed set) whenever additional phosphorus is  
anticipated or observed

**Alfalfa**  
Apply to 6" or more of growth at any time during the  
season but not later than 10 days prior to cutting

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.







# Sure-K<sup>®</sup>

## Technical Data

**9.42**

Weight/Gallon  
@ 68°F

**1.129**

Specific Gravity

**6.3-6.7**

pH @ 68°F

**34° F**

Freezing Point

### DIRECTIONS FOR USE

Sure-K is the ideal product for supplying potassium to your crops.

#### Sure-K can be applied:

- with versatile planter placement options
- broadcast or banded over the top of the seed zone
- as a topdress or sidedress application
- as a foliar treatment
- through fertigation
- with crop protection products

Sure-K can provide season-long potassium fertility depending on soil conditions, type of application, and rate. Broadcast applications to the soil may reduce Sure-K's efficiency. Sure-K will not return to solution if it freezes.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

Field and Row Crops

#### Gallons Per Acre

0 - 30

Vegetables and Fruit Crops

0 - 30 or 1 - 4% in Transplant Solution

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

Field and Row Crops

1 - 20 Sidedress or Fertigation

Vegetables and Fruit Crops

1 - 30 Sidedress or Fertigation

Orchards and Vineyards

1 - 30 Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops

0.25 - 10\*\*

Vegetables and Fruit Crops

0.25 - 10\*\*

Orchards and Vineyards

0.25 - 10\*\*

\*\* = Please consult with an AgroLiquid Sales Account Manager or Agronomist for further direction when applying Sure-K as a foliar treatment at use rates higher than 3 gallons per acre.

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**2.00%**

0.41% Nitrate Nitrogen  
0.59% Ammoniacal Nitrogen  
1.00% Urea Nitrogen

### Available Phosphate (P<sub>2</sub>O<sub>5</sub>)

**1.00%**

### Soluble Potash (K<sub>2</sub>O)

**6.00%**

Derived from: Ammonium Nitrate, Ammonium  
Polyphosphate, Potassium Polyphosphate,  
Potassium Carbonate, Urea



Guaranteed by: AgroLiquid  
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[agroliquid.com](http://agroliquid.com)



# Sure-K®

## 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.

Sure-K® is a clean, chloride- and hydroxide-free potassium solution. It can be applied in combination with other crop production or protection products and presents a very low risk of crop injury. Sure-K® can be used in any cropping situation where potassium is needed. Sure-K®'s unique formula provides increased crop utilization, allowing lower total product application volume to produce the same results as other conventional potassium fertility products when applied at typical rates.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	2-10 gal/A
Corn (Silage) 30" Row Spacing	2-10 gal/A
Soybeans 30" Row Spacing	1-3 gal/A
Soybeans 15" Row Spacing	2-6 gal/A
Sorghum	1-3 gal/A
Dry Beans	0-3* gal/A
Cotton	0-5* gal/A
Sugarbeet	0-3* gal/A
Canola Drilled or air-seeded	2-10 gal/A
Wheat (Spring or Winter)	2-10 gal/A
Potato	2-15 gal/A Direct contact with the seed piece
Alfalfa	1-5 gal/A Direct contact with the seed

2% in transplant solution during transplanting.

### In-Season Soil Application Recommendations

**RATE: 1-20 gallon/acre**

**Corn**  
Sidedress

**Soybean 30" Rows**  
Sidedress

**Cotton**  
Sidedress

**Sugarbeet**  
Sidedress

**Wheat**  
Topdress application -  
up to growth stage Feekes 4

**Potato**  
Sidedress

**Alfalfa**  
Topdress

**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: 1-20 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

\*Wheat rate 1-30 gallon/acre

\*\*Tobacco 1-4% in transplant solution with 1-10 gallon/acre broadcast, banded or surface applied

### Foliar Application Recommendations

When the need for additional potassium is anticipated or observed

**RATE: 0.25-8 gallon/acre unless otherwise noted**

**Corn**  
Apply up to kernel dough;  
**RATE: 0.25-10 gal/A**

**Soybean 30" and 15" Rows**  
Apply up to R4

**Sorghum**  
Apply up to kernel dough

**Dry Beans**  
Apply up to R4

**Cotton**  
Apply up to flowering;  
**RATE: 0.25-5 gal/A**

**Sugarbeet**  
Apply at any stage

**Canola**  
Apply at any growth stages from 2 (rosette) to stage 7 (seed set)

**Wheat**  
Apply at any growth stages from Feekes 4 up to Feekes 11.1 (kernel milk stage)

**Potato**  
Apply at any growth stages from 2 (rosette) to stage 7 (seed set)

**Alfalfa**  
Apply to 6" or more of growth at any time during the season but not later than 10 days prior to cutting;  
**RATE: 0.25-10 gal/A**

**Grapes**  
Apply up through fruit ripening;  
**RATE: 0.25-5 gal/A**

**Tomato**  
Apply up through fruit ripening

**Tobacco**  
Apply at any time through the growing season;  
**RATE: 0.25-5 gal/A**

**Apples**  
Apply from bloom through the last cover spray;  
**RATE: 0.25-5 gal/A**

**Tree Nuts**  
Apply to foliage from bloom through the last cover spray;  
**RATE: 0.25-5 gal/A**

**Other Tree Fruits**  
Apply from bloom through the last cover spray;  
**RATE: 0.25-5 gal/A**

**Vegetables**  
Apply at any time during the season up to fruit ripening;  
**RATE: 0.25-5 gal/A**

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.

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

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**



# Kalibrate®

## Precision Potassium

### Technical Data

**9.90**

Weight/Gallon  
@ 68°F

**1.186**

Specific Gravity

**6.6-7.9**

pH @ 68°F

**15° F**

Freezing Point

#### DIRECTIONS FOR USE

Kalibrate® can be used in virtually any cropping situation where potassium is recommended. Kalibrate should be used under normal planting conditions, where soil temperatures permit proper germination.

#### Kalibrate can be applied:

- with versatile planter placement options
- broadcast or banded over the top of the seed zone
- as a topdress
- as a sidedress
- through fertigation

In general, where liquid fertilizers such as Kalibrate are applied in horticultural crop production, it is customary to split the seasonal fertilizer needs into a number of smaller applications. In this case, Kalibrate may be used for early-season potassium, while AgroLiquid Sure-K® may be more appropriate for mid- and late-season application. Kalibrate is not recommended as a foliar.

#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 10
Orchards and Vineyards	Not Recommended

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

Field and Row Crops	1 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 10	Sidedress or Fertigation
Orchards and Vineyards	1 - 8	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0 - 3*
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

\* = Please consult with an AgroLiquid Sales Account Manager or Agronomist for further direction when applying Sure-K as a foliar treatment at use rates higher than 3 gallons per acre.

### Composition Guaranteed Analysis

#### Total Nitrogen (N)

**2.00%**

1.50% Nitrate Nitrogen  
0.50% Ammoniacal Nitrogen

#### Soluble Potash (K<sub>2</sub>O)

**10.00%**

#### Sulfur (S)

**6.00%**

6.00% Combined Sulfur)

Derived from: Ammonium Nitrate,  
Potassium Carbonate, Potassium Sulfate



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# Kalibrate®

## Precision Potassium

### 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.

Kalibrate is a chloride- and hydroxide-free potassium solution that contains sulfur. It can be used in combination with Pro-Germinator® and other AgroLiquid products to provide a complete, balanced fertilizer program. Kalibrate is specially formulated to resist freezing and comes back into solution without heat or agitation even when freezing has occurred, making it well-suited for fall and early-season delivery in northern climates.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	3-8 gal/A
Corn (Silage) 30" Row Spacing	3-8 gal/A
Soybeans 30" Row Spacing	0-3 gal/A
Soybeans 15" Row Spacing	.25-3 gal/A
Sorghum	0-3 gal/A
Dry Beans	0-1 gal/A
Cotton	0-3gal/A
Sugarbeet	0-1 gal/A
Canola Drilled or air-seeded	0-5 gal/A
Wheat (Spring or Winter)	2-10 gal/A
Potato	3-5 gal/A Direct contact with the seed piece

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: 1-20 gallon/acre

Corn	Wheat	Potato
Canola	Alfalfa	

#### RATE: 1-15 gallon/acre

Soybean	Sorghum
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#### RATE: 1-10 gallon/acre

Dry Beans	Cotton	Sugarbeet
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#### RATE: 3-5 gallon/acre

Grapes

### In-Season Soil Application Use Rate Per Application

#### Corn

Sidedress;  
RATE: 1-20 gal/A

#### Soybean 30" Rows

Sidedress;  
RATE: 1-15 gal/A

#### Sorghum

Sidedress;  
RATE: 1-15 gal/A

#### Dry Beans

Sidedress;  
RATE: 1-10 gal/A

#### Cotton

Sidedress;  
RATE: 1-10 gal/A

#### Sugarbeet

Sidedress;  
RATE: 1-10 gal/A

#### Wheat

Topdress up to growth stage  
Feekes 4;  
RATE: 3-5 gal/A

#### Potato

Sidedress or fertigation;  
RATE: 1-10 gal/A

#### Alfalfa

Broadcast prior to or within  
14 days after spring green-up  
and/or 0-7 days after cutting;  
RATE: 1-20 gal/A

#### Grapes

Broadcast, surface banded or  
through drip irrigation during  
the growing season;  
RATE: 3-5 gal/A

#### Tomato

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-5 gal/A

#### Tobacco

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-7 gal/A

#### Apples

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-8 gal/A

#### Tree Nuts

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-8 gal/A

#### Other Tree Fruits

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-8 gal/A

#### Vegetables

Broadcast, surface banded or  
through drip irrigation during  
the growing season;  
RATE: 3-5 gal/A

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.

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**GS07**  
**WARNING - Irritant: Eyes, Skin**



## Technical Data

**9.90**

Weight/Gallon  
@ 68°F

**1.186**

Specific Gravity

**6.6-7.9**

pH @ 68°F

**18° F**

Freezing Point

### DIRECTIONS FOR USE

PrimAgro® K can be used in virtually any cropping situation where potassium is recommended. PrimAgro K should be used under normal planting conditions, where soil temperatures permit proper germination.

### PrimAgro K can be applied:

- with versatile planter placement options
- broadcast or banded over the top of the seed zone
- as a topdress
- as a sidedress
- through fertigation

In general, where liquid fertilizers such as PrimAgro K are applied in horticultural crop production, it is customary to split the seasonal fertilizer needs into a number of smaller applications. In this case PrimAgro K may be used for early-season potassium, while AgroLiquid Sure-K® may be more appropriate for mid- and late-season application. PrimAgro K is not recommended as a foliar.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

#### Gallons Per Acre

Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 10
Orchards and Vineyards	Not Recommended

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

Field and Row Crops	1 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	1 - 10	Sidedress or Fertigation
Orchards and Vineyards	1 - 8	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0 - 3*
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

\* = Please consult with an AgroLiquid Sales Account Manager or Agronomist for further direction when applying Sure-K as a foliar treatment at use rates higher than 3 gallons per acre.

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**1.00%**

0.50% Nitrate Nitrogen  
0.50% Ammoniacal Nitrogen

### Soluble Potash (K<sub>2</sub>O)

**8.00%**

### Sulfur (S)

**6.00%**

6.00% Combined Sulfur

Derived from: Ammonium Nitrate,  
Potassium Carbonate, Potassium Sulfate

### ALSO CONTAINS NON PLANT FOOD INGREDIENTS

Contains 401 million total colony forming units  
per gallon (4.01x10<sup>8</sup> total CFU/gallon)  
of the following bacteria:

Bacillus subtilis . . . . . 5.30x10<sup>4</sup> CFU/ml  
Bacillus methylotrophicus . . 5.30x10<sup>4</sup> CFU/ml

Microorganisms exempt from CFR requirements –  
40 CFR 725. Store in a cool, dark place to maximize  
shelf life. Expires 12 months from delivery date.



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## 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.

PrimAgro K® is an advanced, high-efficiency potassium solution containing sulfur with a near perfect pH for the effective delivery of organically derived biological components and BioActivites™. The PrimAgro Technology in K deploys targeted microbe populations that decompose organic matter in the root zone releasing potassium while strengthening the potassium absorption mechanisms within the plant. PrimAgro K is also chloride- and hydroxide- free.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	3-8 gal/A
Corn (Silage) 30" Row Spacing	3-8 gal/A
Soybeans 30" Row Spacing	0-3 gal/A
Soybeans 15" Row Spacing	0-6 gal/A
Sorghum	0-3 gal/A
Dry Beans	0-1 gal/A
Cotton	0-3 gal/A
Sugarbeet	0-1 gal/A
Canola Drilled or air-seeded	0-5 gal/A
Wheat (Spring or Winter)	2-10 gal/A
Potato	3-5 gal/A Direct contact with the seed piece

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: 1-20 gallon/acre

Corn	Wheat	Potato
Canola	Alfalfa	

### RATE: 1-15 gallon/acre

Soybean	Sorghum
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### RATE: 1-10 gallon/acre

Dry Beans	Cotton	Sugarbeet
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### RATE: 3-5 gallon/acre

Grapes

## In-Season Soil Application Use Rate Per Application

### Corn

Sidedress;  
RATE: 1-20 gal/A

### Soybean 30" Rows

Sidedress;  
RATE: 1-15 gal/A

### Sorghum

Sidedress;  
RATE: 1-15 gal/A

### Dry Beans

Sidedress;  
RATE: 1-10 gal/A

### Cotton

Sidedress;  
RATE: 1-10 gal/A

### Sugarbeet

Sidedress;  
RATE: 1-10 gal/A

### Wheat

Topdress up to growth stage  
Feekes 4;  
RATE: 3-5 gal/A

### Potato

Sidedress or fertigation;  
RATE: 1-10 gal/A

### Alfalfa

Broadcast prior to or within  
14 days after spring green-up  
and/or 0-7 days after cutting;  
RATE: 1-10 gal/A

### Grapes

Broadcast, surface banded or  
through drip irrigation during  
the growing season;  
RATE: 3-5 gal/A

### Tomato

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-5 gal/A

### Tobacco

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-7 gal/A

### Apples

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-8 gal/A

### Tree Nuts

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-8 gal/A

### Other Tree Fruits

Banded or through drip  
irrigation during the  
growing season;  
RATE: 3-8 gal/A

### Vegetables

Broadcast, surface banded or  
through drip irrigation during  
the growing season;  
RATE: 3-5 gal/A

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.

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**GS07**  
**WARNING - Irritant: Eyes, Skin**



## Technical Data

10.72

Weight/Gallon  
@ 68°F

1.285

Specific Gravity

7.2-7.8

pH @ 68°F

-5° F

Freezing Point

### DIRECTIONS FOR USE

High NRG-N should be applied using any method that would enable placement in the vicinity of, but not in direct contact with, the plant roots or seeds.

#### High NRG-N™ can be applied:

- by planter placement in a band away from the seed (ex: 2"x 2")
- broadcast application prior to or following planting
- application through drip or overhead irrigation (including traveling gun-type irrigation and water wheel irrigation)
- band application below seed placement with strip tillage equipment
- surface band at planting several inches to the side of the seed placement line
- sidedress application to the soil surface or injected

High NRG-N is not seed safe at normal application rates and should not be applied to crop foliage as tissue burn can occur. An exception to this would be with early topdress applications to small grain crops. Although some burn may occur in certain environmental conditions, those situations have not been shown to affect subsequent growth, quality, or yield. PrimAgro K is not recommended as a foliar.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 10
Vegetables and Fruit Crops	0 - 30 or 0% in Transplant Solution
Orchards and Vineyards	0 - 30 or 0% in Transplant Solution

#### 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	Not Recommended
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

## Composition Guaranteed Analysis

### Total Nitrogen (N)

27.00%

6.75% Nitrate Nitrogen  
6.75% Ammoniacal Nitrogen  
13.50% Urea Nitrogen

### Sulfur (S)

1.00%

1.00% Combined Sulfur

Derived from: Ammonium Nitrate,  
Ammonium Sulfate, Urea



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## 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.

High NRG-N is used in all crops that require applied nitrogen to achieve top yields. In addition to nitrogen and sulfur, there are trace amounts of known chlorophyll-building secondary and micronutrients. High NRG-N includes Flavonol Polymer Technology that protects the nitrogen and reduces losses from leaching and volatility. Not all of the nitrogen in High NRG-N is immediately available at application; it provides a controlled release of plant-available nitrogen over an extended period of time. High NRG-N may be used at lower volumes and produce quality and yields comparable to those crops grown with conventional nitrogen sources, in addition to providing increased profits from lower fuel and labor costs.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0-3 gal/A
Corn (Silage) 30" Row Spacing	0-3 gal/A
Wheat (Spring or Winter)	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		
<b>RATE: 1-100 gallon/acre</b>		
Corn	Cotton	Potato
Soybean	Sugarbeet	Alfalfa
Sorghum	Canola	
Dry Beans	Wheat	
<b>RATE: 3-5 gallon/acre</b>		
Grapes	Apples	Tree Fruit
Tomato	Tree Nuts	Vegetables
Tobacco		

## In-Season Soil Application Use Rate Per Application

<b>Corn</b> Sidedress; <b>RATE: 1-100 gal/A</b>	<b>Grapes</b> Broadcast, surface banded or through drip irrigation at bud break or 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 when surface banding High NRG-N.

Please consult with an AgroLiquid Sales Account Manager or Agronomist for further direction when u





## 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



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## 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.





## Technical Data

**10.92**

Weight/Gallon  
@ 68°F

**1.309**

Specific Gravity

**7.2-7.8**

pH @ 68°F

**-5° F**

Freezing Point

### DIRECTIONS FOR USE

PrimAgro® N should be applied using any method that would enable placement in the vicinity of, but not in direct contact with, the plant roots or seeds.

#### PrimAgro N can be applied:

- versatile planter placement options (away from seed)
- broadcast application prior to or following planting
- application through drip or overhead irrigation (including traveling gun-type irrigation and water wheel irrigation)
- band application below seed placement with strip tillage equipment
- surface band at planting several inches to the side of the seed placement line
- sidedress application to the soil surface or injected

PrimAgro N is not seed safe at normal application rates and should not be applied to crop foliage as tissue burn can occur. An exception to this is with early topdress applications to small grain crops. Although some burn may occur in certain environmental conditions, those situations have not been shown to affect subsequent growth, quality, or yield.

### 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	Not Recommended
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

\* = Not recommended in transplant solution.

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**30.00%**

6.60% Nitrate Nitrogen  
5.70% Ammoniacal Nitrogen  
17.70% Urea Nitrogen

### Sulfur (S)

**1.00%**

1.00% Combined Sulfur

Derived from: Ammonium Nitrate,  
Ammonium Sulfate, Urea

#### ALSO CONTAINS NON PLANT FOOD INGREDIENTS

Contains 56.8 million total colony forming units  
per gallon ( $5.68 \times 10^8$  total CFU/gallon)  
of the following bacteria:

Bacillus subtilis . . . . .  $1.50 \times 10^4$  CFU/ml

Microorganisms exempt from CFR requirements –  
40 CFR 725. Store in a cool, dark place to maximize  
shelf life. Expires 12 months from delivery date.



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St. Johns, MI 48879  
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## 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.

PrimAgro N is a fast-acting 30% nitrogen fertilizer containing sulfur. PrimAgro N is stabilized through proprietary Flavonol Polymer Technology that protects the nitrogen while reducing losses from nitrate leaching and ammonia or urea volatility. PrimAgro N contains a proprietary formulation of nitrogen-fixing bacteria and BioActivites™ that further enhance the sequestration of atmospheric nitrogen in the root zone.

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		
<b>RATE: 1-100 gallon/acre</b>		
Corn	Cotton	Potato
Soybean	Sugarbeet	Alfalfa
Sorghum	Canola	
Dry Beans	Wheat	
<b>RATE: 1-30 gallon/acre</b>		
Grapes	Apples	Tree Fruit
Tomato	Tree Nuts	Vegetables
Tobacco		

## In-Season Soil Application Recommendations

**RATE: 1-100 gallon/acre**

<b>Corn</b> Sidedress or fertigation	<b>Grapes</b> Banded or through drip irrigation
<b>Soybean</b> Sidedress or fertigation	<b>Tomato</b> Banded or through drip irrigation
<b>Sorghum</b> Sidedress or fertigation	<b>Tobacco</b> Banded or through drip irrigation
<b>Dry Beans</b> Sidedress or fertigation	<b>Tree Fruit</b> Banded or through drip irrigation
<b>Cotton</b> Sidedress or fertigation	<b>Tree Nuts</b> Banded or through drip irrigation
<b>Sugarbeet</b> Sidedress or fertigation	<b>Vegetables</b> Banded or through drip irrigation
<b>Canola</b> Topdress or fertigation	
<b>Wheat</b> Topdress or fertigation	
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Sidedress or fertigation	

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.

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AGROLIQUID [agroliquid.com](http://agroliquid.com)

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**



## Technical Data

**10.99**

Weight/Gallon  
@ 68°F

**1.318**

Specific Gravity

**7.7-8.5**

pH @ 68°F

**7° F**

Freezing Point

### DIRECTIONS FOR USE

When applied according to specified guidelines, accessS® effectively provides the recommended sulfur needs of most crops..

#### accessS can be applied:

- with with planter placement in a band away from the seed (ex: 2"x 2")
- broadcast or banded over the top of the seed zone
- as a topdress
- as a sidedress
- through fertigation

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

#### Gallons Per Acre

Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 10*
Orchards and Vineyards	0 - 10*

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

Field and Row Crops	0 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	0 - 10	Sidedress or Fertigation
Orchards and Vineyards	0 - 10	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	Not Recommended
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

\* = Not recommended in transplant solution.

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**7.00%**

7.00% Ammoniacal Nitrogen

### Sulfur (S)

**17.00%**

17.00% Combined Sulfur

### Iron (Fe)

**0.25%**

0.25% Water Soluble Iron (Fe)

### Manganese (Mn)

**0.05%**

0.05% Water Soluble Manganese (Mn)

### Zinc (Zn)

**0.05%**

0.05% Water Soluble Zinc (Zn)

Derived from: Ammonium Sulfate, Ferrous Sulfate,  
Manganese Sulfate, Sulfuric Acid, Zinc Sulfate



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## 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.

accessS is a proprietary high-sulfur formulation intended for application anywhere five or more pounds of elemental sulfur is recommended. These enhanced efficiencies make accessS both environmentally and economically responsible.

Crop	In-Furrow
Wheat	1-3 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		

## In-Season Soil Application Recommendations

### RATE: 1-100 gallon/acre

<b>Corn</b> Sidedress or fertigation	<b>Grapes</b> Banded or through drip irrigation
<b>Soybean</b> Sidedress or fertigation	<b>Tomato</b> Banded or through drip irrigation
<b>Sorghum</b> Sidedress or fertigation	<b>Tobacco</b> Banded or through drip irrigation
<b>Dry Beans</b> Sidedress or fertigation	<b>Tree Fruit</b> Banded or through drip irrigation
<b>Cotton</b> Sidedress or fertigation	<b>Tree Nuts</b> Banded or through drip irrigation
<b>Sugarbeet</b> Sidedress or fertigation	<b>Vegetables</b> Banded or through drip irrigation
<b>Canola</b> Topdress or fertigation	
<b>Wheat</b> Topdress or fertigation	
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Sidedress or fertigation	

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.

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**





## 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.

CalSip (7-0-0-14S-1Ca) is formulated to provide both calcium and sulfur, making it a great fit for many crops. CalSip was developed to improve the nutrient efficiency of calcium and sulfur in low-pH environments, but it can be used wherever there is a need for these nutrients.

Crop	In-Furrow
Wheat	1-3 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: 1-20 gallon/acre

Corn	Cotton	Potato
Soybean	Sugarbeet	Alfalfa
Sorghum	Canola	
Dry Beans	Wheat	

### RATE: 1-10 gallon/acre

Grapes	Apples	Tree Fruit
Tomato	Tree Nuts	Vegetables
Tobacco		

## In-Season Soil Application Recommendations RATE: 1-10 gallon/acre unless otherwise noted

<b>Corn</b> Sidedress or fertigation	<b>Grapes</b> Banded or through drip irrigation
<b>Soybean</b> Sidedress or fertigation	<b>Tomato</b> Banded or through drip irrigation
<b>Sorghum</b> Sidedress or fertigation	<b>Tobacco</b> Banded or through drip irrigation
<b>Dry Beans</b> Sidedress or fertigation	<b>Tree Fruit</b> Banded or through drip irrigation
<b>Cotton</b> Sidedress or fertigation	<b>Tree Nuts</b> Banded or through drip irrigation
<b>Sugarbeet</b> Sidedress or fertigation	<b>Vegetables</b> Banded or through drip irrigation
<b>Canola</b> 1-3 gal/A Topdress; 1-10 gal/A fertigation	
<b>Wheat</b> 1-3 gal/A Topdress; 1-10 gal/A fertigation	
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> 1-3 gal/A Topdress; 1-10 gal/A fertigation	

## USE RATE SUMMARY TABLE

### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 20
Vegetables and Fruit Crops	0 - 10*
Orchards and Vineyards	0 - 10*

### In-Season Application Rates - Per Application

Field and Row Crops	0 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	0 - 10	Sidedress or Fertigation
Orchards and Vineyards	0 - 10	Soil Application or Fertigation

### Foliar Application Rates - Per Application

Field and Row Crops	Not Recommended
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

\* = Not recommended in transplant solution.

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.

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**



## Technical Data

**10.27**

Weight/Gallon  
@ 68°F

**1.231**

Specific Gravity

**6.7-7.3**

pH @ 68°F

**5° F**

Freezing Point

### DIRECTIONS FOR USE

eNhance™ offers several distinct usage opportunities:

- combined with nitrogen solutions to provide increased nitrogen usability
- combined with a liquid fertilizer program as a sulfur source
- in-furrow as a sulfur source
- as a foliar treatment

eNhance is primarily a nitrogen supplement to improve the efficiency of liquid UAN fertilizers. Add two gallons per ton of 28% UAN, or 2.25 gallons per ton of 30% or 32% UAN solution.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

#### Gallons Per Acre

Field and Row Crops	0 - 1
Vegetables and Fruit Crops	0 - 10*
Orchards and Vineyards	0 - 10*

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

Field and Row Crops	0 - 20	Sidedress or Fertigation
Vegetables and Fruit Crops	0 - 30	Sidedress or Fertigation
Orchards and Vineyards	0 - 20	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0 - 0.75
Vegetables and Fruit Crops	0 - 0.75**
Orchards and Vineyards	0 - 0.75**

\* = Not recommended in transplant solution.

\*\* = 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.

## Composition Guaranteed Analysis

### Total Nitrogen (N)

**7.00%**

7.00% Ammoniacal Nitrogen

### Sulfur (S)

**8.70%**

8.70% Combined Sulfur

### Manganese (Mn)

**0.07%**

0.07% Water Soluble Manganese (Mn)

### Total Zinc (Zn)

**0.07%**

0.07% Water Soluble Zinc (Zn)

Derived from: Ammonium Sulfate,  
Manganese Sulfate, Zinc Sulfate



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## 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.

eNhance™ is a nutritional supplement that combines Flavonol Polymer Technology with the proper micronutrients and enzymes to produce greater nitrogen utilization. Using eNhance as part of a nitrogen-management program may allow conventional nitrogen solutions to be applied at reduced rates while still maintaining optimal yield potential. By working within the plant, eNhance nutritionally fortifies the crop to use nitrogen more efficiently. In addition to reducing applied nitrogen rate, eNhance is an excellent source of crop-available sulfur.

Crop	In-Furrow	In-Season Soil Application Use Rate Per Application		Foliar Application Recommendations RATE: 0.75 gallon/acre unless otherwise noted																		
Corn (Grain) 30" Row Spacing	0-1 gal/A	<b>Corn</b> Sidedress; RATE: 1-20 gal/A	<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season; RATE: 1-20 gal/A	<b>Corn</b> <b>Soybean 30" and 15" Rows</b> <b>Sorghum</b> <b>Dry Beans</b> <b>Cotton</b> <b>Sugarbeet</b> <b>Canola</b> <b>Wheat</b> <b>Potato</b> <b>Alfalfa</b> <b>Grapes</b> <b>Tomato</b> <b>Tobacco</b> <b>Apples</b> <b>Tree Nuts</b> <b>Other Tree Fruits</b> <b>Vegetables</b>																		
Corn (Silage) 30" Row Spacing	0-1 gal/A	<b>Soybean 30" Rows</b> Sidedress; RATE: 1-20 gal/A	<b>Tomato</b> Banded or through drip irrigation during the growing season; RATE: 1-20 gal/A																			
Soybeans 30" Row Spacing	0-0.5 gal/A	<b>Sorghum</b> Sidedress; RATE: 1-20 gal/A	<b>Tobacco</b> Banded or through drip irrigation during the growing season; RATE: 1-20 gal/A																			
Soybeans 15" Row Spacing	0-0.5 gal/A	<b>Dry Beans</b> Sidedress; RATE: 1-20 gal/A	<b>Apples</b> Banded or through drip irrigation during the growing season; RATE: 1-20 gal/A																			
Sorghum	0-0.5 gal/A	<b>Cotton</b> Sidedress; RATE: 1-20 gal/A	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season; RATE: 1-20 gal/A																			
Dry Beans	0-0.25 gal/A	<b>Sugarbeet</b> Sidedress; RATE: 1-20 gal/A	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season; RATE: 1-20 gal/A																			
Cotton	0-0.25 gal/A	<b>Wheat</b> Topdress; RATE: 1-5 gal/A Fertigation; RATE: 1-20 gal/A	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season; RATE: 1-20 gal/A																			
Sugarbeet	0-0.25 gal/A	<b>Potato</b> Sidedress or fertigation; RATE: 1-20 gal/A																				
Canola	0-0.25 gal/A	<b>Alfalfa</b> Topdress; RATE: 1-5 gal/A Fertigation; RATE: 1-20 gal/A																				
Wheat (Spring or Winter)	0-1 gal/A																					
Potato	0-1 gal/A Direct contact with the seed piece																					
Alfalfa	0-0.25 gal/A																					
				<b>Broadcast, or banded not less than 2" from the seed furrow, surface banded, or applied through drip irrigation at the base of the plant</b> <b>RATE: 1-10 gallon/acre</b>																		
				<table><tr><td>Corn</td><td>Canola</td><td>Tobacco</td></tr><tr><td>Soybean</td><td>Wheat</td><td>Apples</td></tr><tr><td>Sorghum</td><td>Potato</td><td>Tree Nuts</td></tr><tr><td>Dry Beans</td><td>Alfalfa</td><td>Tree Fruit</td></tr><tr><td>Cotton</td><td>Grapes</td><td>Vegetables</td></tr><tr><td>Sugarbeet</td><td>Tomato</td><td></td></tr></table>	Corn	Canola	Tobacco	Soybean	Wheat	Apples	Sorghum	Potato	Tree Nuts	Dry Beans	Alfalfa	Tree Fruit	Cotton	Grapes	Vegetables	Sugarbeet	Tomato	
Corn	Canola	Tobacco																				
Soybean	Wheat	Apples																				
Sorghum	Potato	Tree Nuts																				
Dry Beans	Alfalfa	Tree Fruit																				
Cotton	Grapes	Vegetables																				
Sugarbeet	Tomato																					

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.





# LIBERATECa<sup>®</sup>

## Technical Data

**9.64**

Weight/Gallon  
@ 68°F

**1.155**

Specific Gravity

**6.7-8.1**

pH @ 68°F

**28° F**

Freezing Point

### DIRECTIONS FOR USE

LiberateCa<sup>®</sup> is specially specially formulated to avoid reaction with phosphorus in mixing, providing superior flexibility and options for application. It is well-suited to use in-furrow as part of a row starter package for corn, or other row crops, to promote firmness of fruit in horticultural applications, and to decrease the potential for blossom end rot in tomato production

#### LiberateCa can be applied:

- with versatile planter placement options
- as a sidedress
- through fertigation
- foliar application

After several days in a mixed solution with other products, the effects of chelation may dissipate, resulting in the development of sediment. To avoid this, mix only the amount needed for a single application.

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0 - 2	Sidedress or Fertigation
Orchards and Vineyards	0 - 2	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 1
Vegetables and Fruit Crops	0.125 - 1
Orchards and Vineyards	0.125 - 1

## Composition Guaranteed Analysis

Calcium (Ca)

**3.00%**

Derived from: Calcium Sulfate



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# LIBERATECa®

## 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.

LiberateCa is a premium calcium fertilizer intended to provide superior compatibility and flexibility for mixing and application. LiberateCa is compatible with most AgroLiquid products, including Pro-Germinator®, providing application flexibility and options not possible when using other calcium products. In addition to compatibility with other AgroLiquid products, LiberateCa generally has good compatibility with crop protection products, making it well-suited to use in foliar treatments as well as soil applications.

Crop	In-Furrow	In-Season Soil Application RATE: 0.125-2 gallon/acre unless otherwise noted		Foliar Application Recommendations RATE: 0.125-1 gallon/acre unless otherwise noted	
Corn (Grain) 30" Row Spacing	0.125-1 gal/A	Corn Sidedress	Apples Banded or through drip irrigation during the growing season	Corn Soybean 30" and 15" Rows	
Corn (Silage) 30" Row Spacing	0.125-1 gal/A				
Soybeans 15" Row Spacing	0.125-1 gal/A	Sorghum Sidedress	Tobacco Banded or through drip irrigation during the growing season	Sorghum	
Soybeans 30" Row Spacing	0.125-1 gal/A	Cotton Sidedress	Tree Nuts Banded or through drip irrigation during the growing season;	Dry Beans	
Sorghum	0.125-1 gal/A	Sugarbeet Sidedress	Other Tree Fruits Banded or through drip irrigation during the growing season	Cotton	
Dry Beans	0-1 gal/A*	Wheat Topdress up to Feekes Stage 4	Vegetables Broadcast, surface banded or through drip irrigation during the growing season	Sugarbeet	
Cotton	0-1 gal/A*	Potato Sidedress or fertigation		Canola	
Sugarbeet	0-1 gal/A*	Alfalfa Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast		Wheat	
Canola	0.125-1 gal/A	Grapes Broadcast, surface banded or through drip irrigation during the growing season		Potato	
Wheat (Spring or Winter)	0.125-1 gal/A	Tomato Banded or through drip irrigation during the growing season		Alfalfa	
Potato	0.125-1 gal/A Direct contact with the seed piece			Grapes	
Alfalfa	0.125-1 gal/A			Tomato	
				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: 0.125-2 gallon/acre	
				Corn	Canola
				Soybean	Wheat
				Sorghum	Potato
				Dry Beans	Alfalfa
				Cotton	Grapes
				Sugarbeet	Tomato
				Tobacco	Apples
					Tree Nuts
					Tree Fruit
					Vegetables
				0.25% in Transplant Solution	
				Grapes	Apples
				Tomato	Tree Nuts
				Tobacco	Tree Fruit
					Vegetables

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.





# Micro 500®

## Technical Data

**9.92**

Weight/Gallon  
@ 68°F

**1.189**

Specific Gravity

**6.9-7.3**

pH @ 68°F

**20° F**

Freezing Point

### DIRECTIONS FOR USE

Micro 500® may be used as a micronutrient additive in any fertilizer application method. Each crop has minimum requirements for micronutrients in specific proportions to each other. The synergy of applying the combination of the nutrients found in Micro 500 benefits most cropping programs and soil types.

### Micro 500 can be applied:

- with versatile planter placement options
- as a sidedress
- as a foliar application
- through fertigation

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Sidedress or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 1
Vegetables and Fruit Crops	0.125 - 1
Orchards and Vineyards	0.125 - 1

## Composition Guaranteed Analysis

**Boron (B)**

**0.02%**

**Copper (Cu)**

**0.25%**

0.25% Water Soluble Copper (Cu)

**Iron (Fe)**

**0.37%**

0.37% Water Soluble Iron (Fe)

**Manganese (Mn)**

**1.20%**

1.20% Water Soluble Manganese (Mn)

**Zinc (Zn)**

**1.80%**

1.80% Water Soluble Zinc (Zn)

Derived from: Sodium Borate, Copper Sulfate,  
Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate

**WARNING:** Contains boron. Do not use on boron-sensitive crops. Use only according to the directions given by a trained AgroLiquid soil specialist.



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St. Johns, MI 48879  
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## 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.

Micro 500 is a combination of five essential micronutrients: zinc, manganese, iron, copper, and boron. Zinc, manganese, iron, and copper are key components of chlorophyll production and are critical for photosynthesis. All of them are needed during the early development of the crop, with boron being needed most during pollination. The Flavonol Polymer Technology contained in Micro 500 allows for improved uptake and assimilation by the crop. Long-term replicated research using Micro 500 has shown it to be an ideal combination with all fertility programs.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125-1 gal/A
Corn (Silage) 30" Row Spacing	0.125-1 gal/A
Soybeans 15" Row Spacing	0.125-1 gal/A
Soybeans 30" Row Spacing	0.125-1 gal/A
Sorghum	0.125-1 gal/A
Dry Beans	0-5 gal/A*
Cotton	0-5 gal/A*
Sugarbeet	0-5 gal/A*
Canola	0-5 gal/A
Wheat (Spring or Winter)	0-5 gal/A
Potato	0.125-1 gal/A Direct contact with the seed piece
Alfalfa	0-5 gal/A

### Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125-1 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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.







## Technical Data

**9.43**

Weight/Gallon  
@ 68°F

**1.13**

Specific Gravity

**3.7-4.3**

pH @ 68°F

**25° F**

Freezing Point

### DIRECTIONS FOR USE

PrimAgro C-Tech® is a specialized formulation of carbon and biological agents that may be safely applied as part of a crop nutrition program to help promote nutrient availability and improve soil health.

#### PrimAgro C-Tech can be applied:

- with versatile planter placement options
- broadcast or banded across the soil
- as a sidedress
- through fertigation
- as a foliar application

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 1
Vegetables and Fruit Crops	0 - 10 or 0-0.5% in Transplant Solution
Orchards and Vineyards	0 - 10 or 0-0.5% in Transplant Solution

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

Field and Row Crops	0-20	Sidedress or Fertigation
Vegetables and Fruit Crops	0-20	Sidedress or Fertigation
Orchards and Vineyards	0-20	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0-0.75
Vegetables and Fruit Crops	0-0.75
Orchards and Vineyards	0-0.75

## Composition Guaranteed Analysis

Contains 29.5 billion total colony  
forming units per gallon

( $2.95 \times 10^{10}$  total CFU/gallon) of the following bacteria:

Bacillus subtilis . . . . .  $3.90 \times 10^6$  CFU/ml  
Bacillus amyloliquefasciens . . .  $3.90 \times 10^6$  CFU/ml  
Total Other Ingredients . . . . . 96/5%

Microorganisms exempt from CFR requirements –  
40 CFR 725. Store in a cool, dark place to maximize shelf life.  
Expires 12 months from delivery date.



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Division of COG Marketers, Ltd.  
3055 W M-21  
St. Johns, MI 48879  
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.

PrimAgro C-Tech contains organic matter, live strains of beneficial fungi, bacteria, BioActivites™ and soil-activated chelates that help better hold nutrients in poor soil types, potentially improve seed application safety, release nutrients within soil solution, promote biological activity and help increase overall plant health. PrimAgro C-Tech may be used as an additive to other fertilizer products, or as a standalone application.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0-1 gal/A
Corn (Silage) 30" Row Spacing	0.125-1 gal/A
Soybeans 15" Row Spacing	0-1 gal/A
Soybeans 30" Row Spacing	0-1 gal/A
Sorghum	0-1 gal/A
Dry Beans	0-1 gal/A
Cotton	0-1 gal/A
Sugarbeet	0-1 gal/A
Canola	0-1 gal/A
Wheat (Spring or Winter)	0-1 gal/A
Potato	0-1 gal/A Direct contact with the seed piece
Alfalfa	0-1 gal/A

## In-Season Soil Application

<b>Corn</b> Sidedress; <b>RATE: 0-20 gal/A</b>	<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season; <b>RATE: 0-20 gal/A</b>
<b>Soybean 30" Rows</b> Sidedress; <b>RATE: 0-20 gal/A</b>	<b>Tomato</b> Banded or through drip irrigation during the growing season; <b>RATE: 0-20 gal/A</b>
<b>Sorghum</b> Sidedress; <b>RATE: 0-20 gal/A</b>	<b>Tobacco</b> Banded or through drip irrigation during the growing season; <b>RATE: 0-20 gal/A</b>
<b>Dry Beans</b> Sidedress; <b>RATE: 0-20 gal/A</b>	<b>Apples</b> Banded or through drip irrigation during the growing season; <b>RATE: 0-20 gal/A</b>
<b>Cotton</b> Sidedress; <b>RATE: 1-20 gal/A</b>	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season; <b>RATE: 1-20 gal/A</b>
<b>Sugarbeet</b> Sidedress; <b>RATE: 0-20 gal/A</b>	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season; <b>RATE: 0-20 gal/A</b>
<b>Canola</b> Topdress; <b>RATE: 0-5 gal/A</b> Fertigation; <b>RATE: 0-20 gal/A</b>	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season; <b>RATE: 0-20 gal/A</b>
<b>Wheat</b> Topdress; <b>RATE: 0-5 gal/A</b> Fertigation; <b>RATE: 0-20 gal/A</b>	
<b>Potato</b> Sidedress or fertigation; <b>RATE: 0-20 gal/A</b>	
<b>Alfalfa</b> Topdress; <b>RATE: 0-5 gal/A</b> Fertigation; <b>RATE: 0-20 gal/A</b>	

## Foliar Application Recommendations

**RATE: 0-1 gallon/acre**

unless otherwise noted

**Corn**  
**Soybean 30" and 15" Rows**  
**Sorghum**  
**Dry Beans**  
**Cotton**  
**Sugarbeet**  
**Canola**  
**Wheat**  
**Potato**  
**Alfalfa**  
**Grapes**  
**Tomato**  
**Tobacco**  
**Apples**  
**Tree Nuts**  
**Other Tree Fruits**  
**Vegetables**

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: 0-10 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

**0.5% in Transplant Solution**

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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.





## Technical Data

**10.69**

Weight/Gallon  
@ 68°F

**1.281**

Specific Gravity

**7.2-7.6**

pH @ 68°F

**7° F**

Freezing Point

### DIRECTIONS FOR USE

Micro 600™ may be used as a micronutrient component in any fertilizer application method. Each crop has minimum requirements for micronutrients in specific proportions to each other. The synergy of applying the combination of the nutrients found in Micro600 benefits most cropping programs and soil types - especially in high pH soil conditions.

### Micro 600 can be applied:

- with versatile planter placement options
- as a sidedress
- as a foliar application
- through fertigation

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 0.5
Vegetables and Fruit Crops	0.125 - 0.5
Orchards and Vineyards	0.125 - 0.5

## Composition Guaranteed Analysis

**Sulfur (S)**

**2.00%**

2.00% Combined Sulfur

**Boron (B)**

**0.02%**

**Copper (Cu)**

**0.05%**

0.05% Water Soluble Copper (Cu)

**Iron (Fe)**

**2.00%**

2.00% Water Soluble Iron (Fe)

**Manganese (Mn)**

**1.00%**

1.00% Water Soluble Manganese (Mn)

**Zinc (Zn)**

**1.00%**

1.00% Water Soluble Zinc (Zn)

Derived from: Boric Acid, Copper Sulfate,  
Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate

**WARNING:** Contains boron. Do not use on boron-sensitive crops. Use only according to the directions given by a trained AgroLiquid soil specialist.



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St. Johns, MI 48879  
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## 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.

Micro 500 is a combination of five essential micronutrients: zinc, manganese, iron, copper, and boron. Zinc, manganese, iron, and copper are key components of chlorophyll production and are critical for photosynthesis. All of them are needed during the early development of the crop, with boron being needed most during pollination. The Flavonol Polymer Technology contained in Micro 500 allows for improved uptake and assimilation by the crop. Long-term replicated research using Micro 500 has shown it to be an ideal combination with all fertility programs.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0-1 gal/A
Corn (Silage) 30" Row Spacing	0-1 gal/A
Soybeans 15" Row Spacing	0-0.5 gal/A
Soybeans 30" Row Spacing	0-0.5 gal/A
Sorghum	0-0.5 gal/A
Dry Beans	0-0.25* gal/A
Cotton	0-0.25* gal/A
Sugarbeet	0-0.25* gal/A
Canola	0-0.25* gal/A
Wheat (Spring or Winter)	0-0.25* gal/A
Potato	0-1 gal/A Direct contact with the seed piece
Alfalfa	0-0.25* gal/A

### Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125-.05 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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.





## Technical Data

**9.92**

Weight/Gallon  
@ 68°F

**1.189**

Specific Gravity

**7.3-7.7**

pH @ 68°F

**3° F**

Freezing Point

### DIRECTIONS FOR USE

Micro 1000® is a combination of eight essential micronutrients and two secondary nutrients. Zn, Mn, Fe, and Cu are key components of chlorophyll production and are critical for photosynthesis. Fe, Mn, Mo, Ni, Ca, and Mg help improve nitrogen utilization by the crop.

#### Micro 1000 can be applied:

- with versatile planter placement options
- as a sidedress
- as a foliar application
- through fertigation

### USE RATE SUMMARY TABLE

#### At Planting Application Rates

	Gallons Per Acre
Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 0.5
Vegetables and Fruit Crops	0.125 - 0.5
Orchards and Vineyards	0.125 - 0.5

## Composition Guaranteed Analysis

**Boron (B)**

**0.02%**

**Calcium (Ca)**

**1.00%**

**Cobalt (Co)**

**0.10%**

**Copper (Cu)**

**0.25%**

**Iron (Fe)**

**0.37%**

**Magnesium (Mg)**

**0.50%**

**Manganese (Mn)**

**1.00%**

**Molybdenum (Mo)**

**0.10%**

**Nickel (Ni)**

**0.001%**

**Zinc (Zn)**

**1.00%**

WARNING: Contains boron. Do not use on boron-sensitive crops. Use only according to the directions given by a trained AgroLiquid soil specialist.



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An excess of one nutrient can cause reduced uptake of another. An excess of potassium, for example, may compete with desirable levels of magnesium uptake. In fields with marginal or low zinc levels, a heavy application of phosphorus may induce a zinc deficiency in soil. Excess iron may cause a manganese deficiency, so the proper ratio of manganese to iron must be maintained. The proper combination of micronutrients in the soil is an often overlooked management objective.

AgroLiquid's secondary- and micro-nutrient products can be economically added to your planter-time fertilizer program to prevent yield robbing deficiencies. Accurate soil testing is a great preventative tool. But, if in-season deficiencies are discovered, our micros can also effectively be foliar applied. Justus von Liebig propounded the "Law of the Minimum." It states that if one of the nutritive elements is deficient or lacking, plant growth will be poor even when all other elements are abundant. A crop will only produce to the potential of the least usable nutrient.

#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0.125
Vegetables and Fruit Crops	0.125
Orchards and Vineyards	0.125

## Individual Micronutrients



(0-0-0-5B)



## 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.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125 gal/A
Corn (Silage) 30" Row Spacing	0.125 gal/A
Soybeans 15" Row Spacing	0.125 gal/A
Soybeans 30" Row Spacing	0.125 gal/A
Sorghum	0.125 gal/A
Dry Beans	0.125 gal/A
Cotton	0.125 gal/A
Sugarbeet	0-1 gal/A
Canola	0.125 gal/A
Wheat (Spring or Winter)	0.125 gal/A
Potato	0.125 gal/A Direct contact with the seed piece
Alfalfa	0.125 gal/A

### Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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.

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3055 W M-21  
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**AGROLIQUID** [agroliquid.com](http://agroliquid.com)

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**





An excess of one nutrient can cause reduced uptake of another. An excess of potassium, for example, may compete with desirable levels of magnesium uptake. In fields with marginal or low zinc levels, a heavy application of phosphorus may induce a zinc deficiency in soil. Excess iron may cause a manganese deficiency, so the proper ratio of manganese to iron must be maintained. The proper combination of micronutrients in the soil is an often overlooked management objective.

AgroLiquid's secondary- and micro-nutrient products can be economically added to your planter-time fertilizer program to prevent yield robbing deficiencies. Accurate soil testing is a great preventative tool. But, if in-season deficiencies are discovered, our micros can also effectively be foliar applied. Justus von Liebig propounded the "Law of the Minimum." It states that if one of the nutritive elements is deficient or lacking, plant growth will be poor even when all other elements are abundant. A crop will only produce to the potential of the least usable nutrient.

#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 0.5
Vegetables and Fruit Crops	0.125 - 0.5
Orchards and Vineyards	0.125 - 0.5

## Individual Micronutrients



(0-0-0-4Zn)



## 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.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125-0.5 gal/A
Corn (Silage) 30" Row Spacing	0.125-0.5 gal/A
Soybeans 15" Row Spacing	0.125-0.5 gal/A
Soybeans 30" Row Spacing	0.125-0.5 gal/A
Sorghum	0.125-0.5 gal/A
Dry Beans	0-0.5 gal/A
Cotton	0-0.5 gal/A
Sugarbeet	0-0.5 gal/A
Canola	0-0.5 gal/A
Wheat (Spring or Winter)	0.125-0.5 gal/A
Potato	0.125-0.5 gal/A Direct contact with the seed piece
Alfalfa	0.125 gal/A

### Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125-0.5 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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.

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

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**



An excess of one nutrient can cause reduced uptake of another. An excess of potassium, for example, may compete with desirable levels of magnesium uptake. In fields with marginal or low zinc levels, a heavy application of phosphorus may induce a zinc deficiency in soil. Excess iron may cause a manganese deficiency, so the proper ratio of manganese to iron must be maintained. The proper combination of micronutrients in the soil is an often overlooked management objective.

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#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 0.5
Vegetables and Fruit Crops	0.125 - 0.5
Orchards and Vineyards	0.125 - 0.5

## Individual Micronutrients



(0-0-0-4Mn)



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# Manganese

(0-0-0-4Mn)

## 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.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125-0.5 gal/A
Corn (Silage) 30" Row Spacing	0.125-0.5 gal/A
Soybeans 15" Row Spacing	0.125-0.5 gal/A
Soybeans 30" Row Spacing	0.125-0.5 gal/A
Sorghum	0.125-0.5 gal/A
Dry Beans	0-0.5 gal/A
Cotton	0-0.5 gal/A
Sugarbeet	0-0.5 gal/A
Canola	0-0.5 gal/A
Wheat (Spring or Winter)	0.125-0.5 gal/A
Potato	0.125-0.5 gal/A Direct contact with the seed piece
Alfalfa	0.125 gal/A

## Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

## Foliar Application Recommendations

**RATE: 0.125-0.5 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

**0.25% in Transplant Solution**

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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**GS07**  
**WARNING - Irritant: Eyes, Skin**

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#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 0.5
Vegetables and Fruit Crops	0.125 - 0.5
Orchards and Vineyards	0.125 - 0.5

## Individual Micronutrients



(0-0-0-4Fe)



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## Directions For Use General Guideline:

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Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125-0.5 gal/A
Corn (Silage) 30" Row Spacing	0.125-0.5 gal/A
Soybeans 15" Row Spacing	0.125-0.5 gal/A
Soybeans 30" Row Spacing	0.125-0.5 gal/A
Sorghum	0.125-0.5 gal/A
Dry Beans	0-0.5 gal/A
Cotton	0-0.5 gal/A
Sugarbeet	0-0.5 gal/A
Canola	0-0.5 gal/A
Wheat (Spring or Winter)	0.125-0.5 gal/A
Potato	0.125-0.5 gal/A Direct contact with the seed piece
Alfalfa	0-0.5 gal/A

### Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125-0.5 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

### 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	Not Recommended
Vegetables and Fruit Crops	Not Recommended
Orchards and Vineyards	Not Recommended

## Individual Micronutrients



## Copper

(0-0-0-6Cu)



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## Directions For Use General Guideline:

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Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125 gal/A
Corn (Silage) 30" Row Spacing	0.125 gal/A
Soybeans 15" Row Spacing	0.125 gal/A
Soybeans 30" Row Spacing	0.125 gal/A
Sorghum	0.125 gal/A
Dry Beans	0.125 gal/A
Cotton	0.125 gal/A
Sugarbeet	0.125 gal/A
Canola	0.125 gal/A
Wheat (Spring or Winter)	0.125 gal/A
Potato	0.125 gal/A Direct contact with the seed piece
Alfalfa	0.125 gal/A

### Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125-0.5 gallon/acre**  
unless otherwise noted

**NOT RECOMMENDED FOR FOLIAR USE**

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: 0.125-2 gallon/acre**

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

**0.25% in Transplant Solution**

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 1
Vegetables and Fruit Crops	0 - 1 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 1 or 0.25% in Transplant Solution

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

Field and Row Crops	0.0625 - 1	Sidedress or Fertigation
Vegetables and Fruit Crops	0.0625 - 1	Sidedress or Fertigation
Orchards and Vineyards	0.0625 - 1	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0.0625 - 0.25
Vegetables and Fruit Crops	0.0625 - 0.25
Orchards and Vineyards	0.0625 - 0.25

## Individual Micronutrients





## Directions For Use General Guideline:

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Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.0625-0.25 gal/A
Corn (Silage) 30" Row Spacing	0.0625-0.25 gal/A
Soybeans 15" Row Spacing	0.0625-0.25 gal/A
Soybeans 30" Row Spacing	0.0625-0.25 gal/A
Sorghum	0.0625-0.25 gal/A
Dry Beans	0-0.25 gal/A
Cotton	0-0.25 gal/A
Sugarbeet	0-0.25 gal/A
Canola	0-0.25 gal/A
Wheat (Spring or Winter)	0.0625-0.25 gal/A
Potato	0.0625-0.25 gal/A Direct contact with the seed piece
Alfalfa	0-0.25 gal/A

## Foliar Application Recommendations

**RATE: 0.0625-1 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

## Foliar Application Recommendations

**RATE: 0.0625-0.25 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.0625-1 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

## 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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#### USE RATE SUMMARY TABLE

##### At Planting Application Rates

##### Gallons Per Acre

Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

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

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

##### Foliar Application Rates - Per Application

Field and Row Crops	0.125 - 1
Vegetables and Fruit Crops	0.125 - 1
Orchards and Vineyards	0.125 - 1

## Individual Micronutrients

### Magnesium

(0-0-0-2.5Mg)



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# Magnesium

(0-0-0-2.5Mg)

## 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.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125-1 gal/A
Corn (Silage) 30" Row Spacing	0.125-1 gal/A
Soybeans 15" Row Spacing	0.125-1 gal/A
Soybeans 30" Row Spacing	0.125-1 gal/A
Sorghum	0.125-1 gal/A
Dry Beans	0-1 gal/A
Cotton	0-1 gal/A
Sugarbeet	0-1 gal/A
Canola	0.125-1 gal/A
Wheat (Spring or Winter)	0.125-1 gal/A
Potato	0.125-0.5 gal/A Direct contact with the seed piece
Alfalfa	0-1 gal/A

## Foliar Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

## Foliar Application Recommendations

**RATE: 0.125-1 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows
<b>Sorghum</b>
<b>Dry Beans</b>
<b>Cotton</b>
<b>Sugarbeet</b>
<b>Canola</b>
<b>Wheat</b>
<b>Potato</b>
<b>Alfalfa</b>
<b>Grapes</b>
<b>Tomato</b>
<b>Tobacco</b>
<b>Apples</b>
<b>Tree Nuts</b>
<b>Other Tree Fruits</b>
<b>Vegetables</b>

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: 0.125-2 gallon/acre

Corn	Canola	Tobacco
Soybean	Wheat	Apples
Sorghum	Potato	Tree Nuts
Dry Beans	Alfalfa	Tree Fruit
Cotton	Grapes	Vegetables
Sugarbeet	Tomato	

## 0.25% in Transplant Solution

Grapes	Apples	Vegetables
Tomato	Tree Nuts	
Tobacco	Tree Fruit	

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.

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

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



**GS07**  
**WARNING - Irritant: Eyes, Skin**



## Technical Data

**9.88**

Weight/Gallon  
@ 68°F

**1.184**

Specific Gravity

**6.2-6.6**

pH @ 68°F

**15° F**

Freezing Point

### DIRECTIONS FOR USE

FertiRain provides balanced plant nutrition of primary, secondary and micronutrients through foliar or soil applications with minimal risk of crop injury.

#### FertiRain can be applied:

- as a foliar application
- through fertigation
- as a topdress application
- with crop protection products

FertiRain is a multi-nutrient formulation designed for foliar application that provides supplemental feeding as part of a nutrient program, or for providing corrective feeding when nutrient deficiencies are observed.

### USE RATE SUMMARY TABLE

#### In-Season Application Rates - Per Application Gallons Per Acre

Field and Row Crops	0.25 - 3	Topdress or Fertigation
Vegetables and Fruit Crops	0.25 - 3	Fertigation
Orchards and Vineyards	0.25 - 3	Fertigation

#### Foliar Application Rates - Per Application

Field and Row Crops	0.25 - 3
Vegetables and Fruit Crops	0.25 - 3
Orchards and Vineyards	0.25 - 3

#### Concentration when applied through a pump or backpack sprayer

All Crops	0.25 - 2% volume to volume (0.3-2.5 fl oz per gallon of solution)
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## Composition Guaranteed Analysis

### Total Nitrogen (N)

**12.00%**

2.00% Nitrate Nitrogen  
2.5% Ammoniacal Nitrogen  
7.5% Urea Nitrogen

### Available Phosphate ( $P_2O_5$ )

**3.00%**

### Soluble Potash ( $K_2O$ )

**3.00%**

### Available Sulfur (S)

**1.50%**

### Soluble Iron (Fe)

**0.10%**

### Available Manganese (Mn)

**0.5%**

### Soluble Zinc (Zn)

**0.10%**



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## 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.

With macronutrients, secondary nutrients, and micronutrients all included in carefully measured amounts, FertiRain supports all of the plant's needs and growth stages.

### 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	

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.

