



COMPONENT PLUS 2-16-20

WATER SOLUBLE FERTILIZER

GUARANTEED ANALYSIS

Total Nitrogen (N).....	2.0%
<i>2.0% Nitrate Nitrogen</i>	
Available Phosphate (P ₂ O ₅).....	16.0%
Soluble Potash (K ₂ O).....	20.0%
Magnesium (Mg).....	8.0%
Sulfur (S).....	11.0%
Boron (B).....	0.08%
Copper (Cu).....	0.08%
<i>0.08% Chelated Copper</i>	
Iron (Fe).....	0.50%
<i>0.50% Chelated Iron</i>	
Manganese (Mn).....	0.15%
<i>0.15% Chelated Manganese</i>	
Molybdenum (Mo).....	0.005%
Zinc (Zn).....	0.08%
<i>0.08% Chelated Zinc</i>	

Derived from potassium nitrate, magnesium sulfate, monopotassium phosphate, potassium sulfate, iron EDTA, iron DTPA, boric acid, copper EDTA, manganese EDTA, sodium molybdate, & zinc EDTA. F2681

LIMITED WARRANTY

Front Row Ag ("FRA") warrants that the product conforms to the chemical description given on this label and is reasonably fit for the purpose stated when used in accordance with label directions under normal conditions of use. FRA and Seller make no other warranties, expressed or implied, including warranty of merchantability or fitness for a particular purpose. Buyer and User accept all risks arising from any use of this Product. To the extent allowed by the law, FRA and the Seller shall not be liable to the Buyer or User of this Product for any consequential, special, incidental or indirect damages.

ATTENTION

This product contains boron; use on any crops other than those recommended may result in serious injury to the crop. **WARNING:** The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

PRECAUTIONARY STATEMENT

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear eye/face protection and protective gloves/clothing. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. **FIRST AID:** See SDS sheet. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. If swallowed: Rinse mouth. Call a doctor if you feel unwell. If inhaled: Remove person(s) to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell. If on skin: Wash with plenty of water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse. **DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Keep out of reach of children. Store away from incompatible materials. Dispose of contents/container in accordance with local authority requirements.

WARNING: Cancer and Reproductive Harm | www.p65Warnings.ca.gov

DANGER: Causes serious eye damage. Harmful if swallowed. Suspected of damaging fertility or the unborn child.

DISTRIBUTED BY **SOLSTICE AG**

GENERAL INFORMATION

Front Row Ag Component Plus is intended to be the primary constituent of a plant nutrition system. Component Plus delivers a robust micro nutrient package with unprecedented levels of magnesium and sulfur. Component Plus is intended to be used in conjunction with calcium nitrate and monopotassium phosphate to create the ideal recipes. Avoid foliar applications of this product when plants are suffering from moisture stress or during periods of high temperature and/or low relative humidity. If applying foliar, apply the spray solution to a small test area to determine any undesirable damage or phytotoxic effects.

STORAGE

STOCK CONCENTRATE
Store in opaque containers, at room temperature (71 ° F), raise off the ground, without exposure to direct sunlight or long periods of artificial light. Use within 14 days of making stock concentrate.

DRY SOLUBLES

To store unused fertilizer, remove air and seal bag by folding over and clipping. Best storage is in a cool, dry area outside of direct sunlight or light. Humidity may change the consistency of the fertilizer, but not the performance.



FrontRowAg.com

NET WEIGHT
25 lb / 11.34 kg
BT/LOT#

Guaranteed by:
Front-Row Ag LLC
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RATE RECOMMENDATIONS

Unless otherwise specified, use recommended rates in the following water volumes based on application method. Use sufficient volume to ensure thorough coverage and wetting needed for optimum results.

STOCK CONCENTRATE INJECTION:

Rate recommendations are based on 1 lbs/gallon final volume of stock concentrate. Please see the "HOW TO VALIDATE" section for stock concentrate options. Use rates are typically between 5 mL and 38 mL per gallon. For best results make stock concentrate with source water with less than 40 ppm. It is recommended source water contains 1 - 3 ppm Cl from Calcium Hypochlorite.

DIRECT TO RESERVOIR:

Use rates are typically around 1 gram to 6 grams per gallon. These instructions are for use directly out of the bag into reservoir(s) and feed tank(s) without making concentrate.

Component Plus contributes 0.28 EC per gram per gallon.

VEG RECIPE: Use Component Plus as recommended above in "DIRECT TO RESERVOIR" and/or "STOCK CONCENTRATE INJECTION" sections. Component Plus is intended to be used with Calcium Nitrate in both direct to reservoir or as a separate injectable stock concentrate solution. See QR code for full set of instructions.

FLOWER RECIPE: Use Component Plus as recommended above in "DIRECT TO RESERVOIR" and/or "STOCK CONCENTRATE INJECTION" sections. Component Plus is intended to be used with Calcium Nitrate in both direct to reservoir or as a separate injectable stock concentrate solution. See QR code for full set of instructions.



Rates other than those suggested may be applied depending on crop conditions and cultural practices. Component Plus is recommended for use on (but not limited to) the following crops and areas - Field, Greenhouse, Indoor, Vegetable, Fruit and Nut Crops (such as alfalfa, almonds, apples, apricots, avocados, beans, broccoli, carrots, cauliflower, cherries, citrus, corn, cotton, cucumbers, hemp, lettuce, nectarines, onions, peaches, pears, peas, pecans, peppers, plums, prunes, sorghum, sugar beets, tomatoes, walnuts, and wheat); Apply 1-6 grams per gallon or 5-38 mL stock concentrate per gallon of irrigation water as needed.

Vine and Berry Crops (such as blueberries, cranberries, grapes, hops, and strawberries): Apply 1-6 grams per gallon or 5-38 mL stock concentrate for every gallon irrigation water in early spring or when deficiency symptoms first appear and

MIXING & HANDLING

1 DIRECT TO RESERVOIR

ADD R.O. WATER
Fill RTU batch tank to final target volume

2

ADD FRONT ROW
while agitating. Wait 3-5 minutes between each component addition

3

MIX
Continue agitation, adjust pH and check solution after 5 - 10 minutes

1 STOCK CONCENTRATE

ADD R.O. WATER
Fill stock tank to 50% of final volume

2

ADD FRONT ROW & MIX
Start agitation, add total LBS/GAL for final volume, mix for 5 minutes

3

FILL
Continue agitation while filling to final volume for 10 more minutes

MIXING

With constant agitation, dissolve the recommended amount of this product into approximately half the required final volume of Reverse Osmosis water. Make sure the mixing drill reaches bottom, is run forward and reverse, and creates a very forceful disturbance. Mix for at least 5 minutes. Once concentrate appears solutionized, fill the remaining 50% volume with constant agitation. Mix for at least 10 more minutes. **NOTE: Component Plus is recommended to be used at 1 pound per gallon for 454 grams per gallon of final concentrate volume. See chart in 'How to Validate' for other mixing options.** Slowly add the remaining water while maintaining constant agitation. Water quality and temperature will determine maximum solubility. Once stock solution has reached room temperature and is solutionized, mix briefly again to prevent scaling. Warmer water temperatures increase solubility and shorten dissolving time. As this product goes into solution, the water temperature will drop. Therefore, it is important when preparing concentrated solutions to compensate for this temperature drop to ensure that the fertilizer is completely dissolved. When combining the stock concentrate of Component Plus and PhosZyme, fully solubilize Component Plus first and then add PhosZyme, agitate until fully dissolved. Accuracy should be maintained at ± 1 gram.

COMPATIBILITY

Front Row Ag Component Plus may be applied separately or in conjunction with Front Row Si or Front Row Ag Bloom and with most other fertilizers.

DO NOT apply with Front Row Ag Part A or Part B. **DO NOT** use with basic metal sulfates, strong peroxides, hydroxides, highly alkaline materials (such as hydrated lime and lime sulfur), and/or paraffinic oils. A compatibility test is recommended if the desired tank mix combination has not been previously used. Tank mixtures with copper-based products can be phytotoxic due to increased solubility of copper. When injected, Component Plus stock concentrate must be a standalone stock concentrate and is compatible only with Front Row PhosZyme and no other products or fertilizers. All stock concentrates are designed to be made with Reverse Osmosis (RO) or demineralized water. Recommended Irrigation Water Temperature: 68° F - 72° F, Stock Concentrate Mixing Temperature: 71° F - 85° F, & Stock Concentrate Resting Temperature: 71° F - 75° F.

HOW TO VALIDATE STOCK CONCENTRATE

- From mixed stock concentrate, remove 50 mL and dilute in 1 gallon Reverse Osmosis water.
- Compare results to EC validation value (ms/cm) in the table below.
- Adjust stock concentrate to achieve validation value.

NOTE: Values for stock concentrate and reference solutions are based on 0 ppm source water at room temperature (71° F).

Lbs/Gallon	Bags per 50 Gallons	EC Validation at 50 mL/Gallon
1.0	2	1.70
1.5	3	2.55
2.0	4	3.40
2.5	5	4.25