



OPTUM-STAR

GUARANTEED ANALYSIS

Total Nitrogen (N)..... 3.0%
 3.0%...Urea Nitrogen
 Available Phosphate (P2O5).....21.0%
 Soluble Potash (K2O).....15.0%
 Derived from: urea, phosphoric acid, potassium hydroxide

PHYSICAL PROPERTIES

pH..... 7.6
 Specific Gravity.....1.4 @ 68°F
 Density.....11.8 lbs/gal
 Salt Out -2°F
 * Weight per gallon can vary

BENEFITS:

- Seeds respond in cold soils
- Crops emerge earlier and more uniform
- Increases yield potential
- Produces higher quality and drier crops at harvest

FREQUENTLY ASKED QUESTIONS

Q: What is the orthophosphate content in OPTUM-STAR?

A: OPTUM-STAR is 80% orthophosphate and 20% polyphosphate. This allows seedlings to absorb the orthophosphate they need early then utilize the polyphosphate a little later after it has broken down.

Q: Am I able to apply OPTUM-STAR directly on the seed without fear of germination damage?

A: Yes, OPTUM-STAR is designed to be applied directly on the seed without causing germination issues. Always follow application rates on the label. Do not apply directly on the seed in saline, alkali, or coarse textured soils.

Q: Can I add other nutrients to OPTUM-STAR?

A: Yes, any EDTA micronutrients will easily blend with OPTUM-STAR with agitation. Soil amendments such as humic acids and additional nutrients like sulfur and potassium may also be added. Always jar test before blending in a tank.

Q: Can I mix OPTUM-STAR with 28% or 32% UAN solution?

A: No, due to the potassium and the high orthophosphate content in OPTUM-STAR, there can be stability issues if mixed with these nitrogen products.

PRODUCT INFORMATION:

OPTUM-STAR is a low-salt, 80/20 ratio of ortho-to-polyphosphate liquid fertilizer in the PureGrade® product line. It is 100% pure liquid fertilizer produced from the finest raw materials. OPTUM-STAR is completely seed safe for in-furrow placement, 2x2 banding or can be foliar applied.

FEATURES:

- Low-salt, chloride free and near neutral pH
- 100% water soluble
- Non-corrosive
- Trouble-free

MAXIMUM SUGGESTED APPLICATION RATE IN GALLONS PER ACRE				
SOIL APPLICATION				
Crop	CEC: 15.0 or > OM: 2.5% or >	CEC: 12.0 - 14.9 OM: 2.0 - 2.4%	CEC: 6.0 - 11.9 OM: 0.6 - 1.9%	CEC: < 6.0 OM: <0.6%
Corn (30" rows)	6.0	5.0	4.0	Inquire about row application in soils that fall within this group
Soybeans (10" rows or less)	5.0	4.0	3.0	
Soybeans (11" to 16" rows)	3.0	2.0	0.0	
Wheat	12.0	12.0	10.0	
FOLIAR APPLICATION				
Corn	1.0 - 3.0			
Soybeans				
Wheat				

