

# **REDSTAR** **K-STAR**

K-STAR is a chloride free, clear to slightly yellow solution containing 23% K<sub>2</sub>O and 8% plant available sulfur developed for starter and in-furrow (pop-up) fertilizer applications.

An efficient source of soluble potassium and sulfur, K-STAR is an easy to handle and seed-safe product when applied at recommended rates.

## **DID YOU KNOW THAT K-STAR**

- < Contains approximately 2.6 pounds of potassium (K<sub>2</sub>O) and 1 pound of sulfur in each gallon.
- < Can be used for starter (2" x 2" or 2" x 0") applications.
- < May be blended in any ratio with 10-34-0 or 11-37-0 to provide potassium and sulfur, critical nutrients for germinating crops, especially in minimum or no-tillage conditions.
- < Can be blended with UAN solutions.
- < Forms a stable acidic fertilizer for high pH soils when acidified to a pH of 5.6.
- < Can be soil injected or deep banded by itself, or with nitrogen and phosphorus, to supply crops with N, P, K and S requirements for the season.
- < Can be broadcast sprayed on the soil surface or banded between rows to help meet potassium and sulfur requirements.

## **PLANT NUTRIENT CONTENT WEIGHT %**

< Potassium	(as K <sub>2</sub> O) 23
< Total Sulfur	(S) 8

## **TYPICAL PROPERTIES**

< Specific Gravity	1.38
< pH	8.0 - 9.0
< Appearance	Clear, Colorless to Slightly Yellow
< Salt-Out Temperature	-4°F
< Actual Salt Index	46

## **FORMULATION & APPLICATION FACTORS, 68°F**

< Density: pounds per gallon	11.5
< Volume: gallons per ton	174
< Pounds of Potassium (as K <sub>2</sub> O) per gallon	2.6
< Pounds of Sulfur per gallon	0.92

## BENEFITS OF INTRODUCING K-STAR INTO YOUR GROWING PROGRAM

< K-Star was the most seed-safe potassium-based fertilizer in germination trials conducted at South Dakota State University.

< This research study demonstrated that K-Star had the least negative effect on germination when compared with:

< 10-34-0  
< 7-21-7  
< 3-18-18  
< 9-18-9

< 7-24-6-4S  
< Potassium Sulfate  
< Potassium Chloride

**Potassium (as K<sub>2</sub>O) 23%**

**Total Sulfur (S) 8%**

**Density: pounds per gallon at 68° F 11.5**

**Volume: gallons per ton 174**

## GENERAL INFORMATION

K-STAR is a chloride free, clear to slightly yellow liquid solution containing 23% K<sub>2</sub>O and 8% plants available sulfur. Each gallon of K-Star contains approximately 2.6 pounds of potassium (K<sub>2</sub>O) and approximately 1.0 pounds of sulfur (S).

University test have show that K-STAR is seed safe when used at recommended rates. In fact, it was on of the safest materials tested in germination trials.

K-STAR can be blended in any ratio with 10-34-0 or 11-37-0 to provide potassium and sulfur, critical nutrients, especially in minimum or no-tillage conditions. Blends with UAN solution should be jar tested before making large quantities. UAN blends should contain enough water to equal the lesser amount of one of these products to reduce crystal formation. K-STAR can be acidified to a pH of 6.0 to form a stable acidic fertilizer for high pH soils.

Unless otherwise noted, all suggested uses are for K-STAR only. For additional products or increased rates of application, test plots should be conducted before planting large acreage.

The purpose of this guide is to provide information about this product and to make suggestions regarding its use. This guide does not make recommendations about the amount of potassium and sulfur needed for optimum crop production. The rate of each application of K-STAR should be made based on a soil test and/or plant tissue analysis for potassium and sulfur, and on the recommendations of a Certified Crop Advisor, Pest Control Advisor or authorized K-STAR distributor.

For more information regarding K-STAR or other REDSTAR BRANDED products please visit

**REDSTARNE.COM / 844.502.9368**

