

The Power of Liquid

### GUARANTEED ANALYSIS

Soluble Potash (K<sub>2</sub>O)..... 25.0%  
 Combined Sulfur (S)..... 17.0%  
 Derived from potassium thiosulfate.

### PROPERTIES

Specific Gravity ..... 1.463  
 Pounds per gallon ..... 12.2  
 Gallons per ton..... 163.9  
 pH..... 7.5  
 Salt out temperature ..... <15°F

### OTHER PHYSICAL CHARACTERISTICS

Clear, colorless liquid  
 100% water soluble  
 Non-Corrosive  
 Near Neutral pH  
 Chloride Free

**PRSRT STD**  
 U.S. POSTAGE PAID  
 SIOUX CITY IA  
 PERMIT NO 482



Manufactured only by

## Nutra-Flo® Company

Sioux City, Iowa 51106

Ph: 800-831-4815 • [www.PureGrade.com](http://www.PureGrade.com)

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**Nutra-Flo® Company**  
 1919 Grand Avenue  
 Sioux City, Iowa 51106-5708



# Nutra-KS

## Potassium Thiosulfate

### 0-0-25-17

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# PureGrade Nutra-KS *Potassium Thiosulfate 0-0-25-17*

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## NUTRA-KS

**Nutra-KS** is potassium thiosulfate solution (0-0-25-17). It contains 3 pounds of potash and 2.1 pounds of sulfur per gallon.

**Nutra-KS** can be applied with liquid applicators, planters or by drip, sprinkler or flood irrigation. **Nutra-KS** can be foliar applied by ground or air applicators.

It is a neutral to basic, chloride-free, clear solution containing 25% potash and 17% sulfur. It can be blended with other fertilizers if a pH of 6.0 or above is maintained.

**Nutra-KS** has an important role in supplying potash and sulfur to growing crops. Potassium regulates the uptake and transport of water and nutrients in the plant, thus maintaining turgor and the osmotic potential of cells. It is an activator for more than 60 enzymes in the meristematic tissue. Potassium helps plants resist disease.

Sulfur is essential for protein formation. It is involved in the syntheses of hormones and in electron transfer (oxidation-reduction) reactions.



## APPLICATION USE & RECOMMENDATIONS

**Nutra-KS** can be applied to a wide variety of ornamental, turf, greenhouse, and agricultural crops. Potassium requirements for crops increase dramatically during periods of rapid growth and fruit development. Application of **Nutra-KS** should be based on soil and/or plant tissue analysis for potassium.

### SOIL APPLIED

#### *Pop-Up Fertilizer (in the seed furrow)*

- Wheat and Other Small Grains: Apply 2-4 quarts/acre **Nutra-KS** by itself or with other pop-up fertilizers.
- Corn and Cotton: Apply 2-4 quarts/acre **Nutra-KS** by itself or with other pop-up fertilizers.
- Tomatoes and Other Small Seeded Crops: Apply 2-4 quarts/acre **Nutra-KS** by itself or with other liquid pop-up fertilizers.

**Starter Fertilizer (2x2 placement):** Apply 1-4 gallons/acre of **Nutra-KS** by itself or with other starter fertilizers at least 2 inches below and 2 inches to the side of the seed.

**Strip-Till:** Apply **Nutra-KS** either in the fall or spring preplant to create a nutrient rich zone below the crop row. Rates can vary from 1-20 gallons per acre depending on crop need and soil analysis.

**Sidedress: Nutra-KS** can surface banded or knife injected. Rates can vary from 1-20 gallons/acre depending on crop requirements and soil analysis.

### FOLIAR APPLIED

**Nutra-KS** can be applied by ground or air spraying equipment. It is recommended that the addition of Nutra-Flo's SRN (slow release nitrogen) fertilizers be added to improve foliar absorption of **Nutra-KS**. SRN fertilizers include Super 72, 25-0-0 and 23-3-5.

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