



**PLANT
FOOD
COMPANY, INC.**

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GUARANTEED ANALYSIS

Soluble Potash (K₂O) ----- 25%
Combined Sulfur (S) ----- 17%
Derived from Potassium Thiosulfate.

Plant Nutrient Sources:

Soluble Potash: Potassium Thiosulfate

Sulfur: Potassium Thiosulfate

CAS #10294-66-3

- Weight per Gallon 12.2 pounds
- Each gallon contains 3.0# K₂O & 2.1# S
- pH 7.0 to 8.2.

GENERAL INFORMATION

KTS 0-0-25 17% S is a neutral to basic, chloride-free, clear liquid solution, containing 25% potash and 17% sulfur. Each gallon contains 3 pounds of potash and 2.1 pounds of sulfur. KTS can be applied by drip, sprinkler or flood irrigation. It may be blended with other fertilizers or applied as a foliar treatment on selected crops. When used as a foliar fertilizer, KTS should first be diluted with water before applying. Blends of KTS should not be acidified below a pH of 6.0.

KTS is compatible with urea and ammonium polyphosphate solutions in any ratio. When blending with UAN solution, a jar test is recommended before mixing large quantities. Potassium reacts with nitrate to form KNO₃ crystals. If this should happen, the addition of water and/or heat should bring it back to a clear solution.

GENERAL APPLICATION AND RECOMMENDATIONS

KTS may be applied to a wide variety of ornamental, turf, greenhouse and other agricultural crops. Potassium requirements for most crops increase dramatically during periods of rapid growth and fruit development.

KTS

Potassium Thiosulfate

0-0-25 17% Sulfur

STARTER FERTILIZER:

Apply 1 to 4 gallons KTS per acre by itself or with other starter fertilizers, at least 2 inches below and 2 inches to the side of the seed.

SIDEDRESS:

KTS may be surface banded or knife injected as a source of potassium and sulfur. Rates may vary between 1 and 20 gallons per acre depending on crop requirements and soil analysis.

FOLIAR APPLICATION

For recommendations regarding crops not listed, contact your local Plant Food Company Inc. representative. It is recommended that the addition of 2 to 4 quarts per acre of N-28-SRN (28-0-0) or Foli-16 (16-0-0) be applied with the KTS. These triazone based slow release liquid nitrogen fertilizers improve the foliar absorption of KTS.

Apply 2 to 6 quarts of KTS per acre in enough water to provide adequate coverage.

Corn: Apply KTS just prior to tasseling and the second application in 7 to 10 days.

Potatoes: Begin at tuber initiation, apply the second application in 2 to 3 weeks and third application at tuber bulking.

Small Grains: Apply at tillering to early boot stage.

Alfalfa: Apply at crown green up or on regrowth after cutting.

Vines: Begin 2 weeks after bloom. Apply 2 to 4 quarts of KTS per acre in a minimum of 50 gallons of water. Repeat treatment in 7 to 10 days.

FERTIGATION

SPRINKLER IRRIGATION:

Trees (Under): Apply 5 to 15 gallons per acre per application every 10 to 14 days based on crop requirements.

Trees (Overhead): Apply 3 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.

Vines: Apply 3 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.

Vegetable and Row Crops: Beginning at the 3rd to 4th leaf stage, apply 3 to 10 gallons per acre per application every 10 to 14 days based on crop requirements. After injection, allow enough irrigation time to rinse the plants of any residual fertilizer.

DRIP IRRIGATION-

Tomatoes, Peppers: Beginning at fruit development fertigate 5 gallons KTS per mulched acre per week to provide an additional 15 lbs. potash per week to help prevent physiological disorders associated with low potash levels such as internal white and puffiness.

Watermelons, Cantaloupes and Strawberries: As the fruit begins to ripen fertigate 5 gallons KTS per mulched acre to help sweeten fruit.

Pop-Up Fertilizers- Many crops are sensitive to salts during germination. When soil moisture is low, delayed crop emergence and/or phytotoxicity may occur when fertilizer is placed too close to the seed. Do not use KTS in pop-up fertilizer when soil moisture is limited, soil salinity is above an electrical conductivity of 2 or when irrigation is delayed such that germination may be affected.

• Sprinkler application of KTS and other liquid fertilizers over an established crop may cause foliar injury to a crop if: The injection period is short enough to cause an excessive amount of fertilizer to accumulate on the leaves, temperatures are above 90° F and humidity less than 30%, fertilizer rates are higher than recommended, irrigation pump breaks down during or immediately after injecting fertilizer, and/or any combination of these conditions.

CAUTIONS (APPLICATION)

• Do Not apply KTS to foliage of crops sensitive to foliar burn from Sulfur.

• Be sure to check other manufacturer's labels concerning dormant oil treatment spray guidelines and foliar nutrient applications containing sulfur.

• Do Not apply to foliage of any crop when temperatures are above 90° F. Apply KTS early morning or late evening.

• Do Not apply KTS with knife injectors or other types of fertilizer injecting equipment that may cause root pruning.

Do Not mix KTS with Calcium Products.

Tank Mixing:

Prior to any fertilizer of pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank at least ¾ full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

1) Dry flowables or water dispersible granules, 2) Wettable powders, 3) Flowables, 4) Emulsifiable concentrates, 5) Water based solutions, 6) Compatibility agents, 7) Micronutrients and fertilizer, 8) Spray adjuvant

Caution:

Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

Storage and Handling:

Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials.

Store above 32° Do Not allow to freeze