

APPLICATION RATES

Thio-S-Kal can be applied before planting or sowing as a starter fertilizer, also during growth by fertigation and foliar applications according to the type of the crop and the handling of the grower.

SOIL APPLICATION

Starter fertilization: 10-40 l/ha diluted at an application rate 1:10-50. Apply at least 5 cm below or next to the seed as to avoid shocking the seed.

Fertilization near the root: 10-200 l/ha diluted at an application rate 1:10-50. Apply on the soil surface or by injecting the soil careful of not hurting the roots.

FERTIGATION

Drip irrigation

Young trees and vineyards: 30-100 l/ha. Apply when the roots are actively developing during the growing season.

Mature trees and vineyards: 50-150 l/ha. Apply 1-2 times during root growth throughout the growing season.

Vegetables and other row crops: 30-50 l/ha. Apply 2-4 times during the growing season.

Sprinkler, Flood and Furrow irrigation

Trees: 50-150 l/ha. Apply every 10-15 days according to the needs of the crop.

Vineyards: 30-50 l/ha. Apply every 10-15 days according to the needs of the crop.

Vegetables and other row crops: 30-100 l/ha. Apply every 10-15 days according to the needs of the crop starting from the 3-4 true leaf stage. After application allow enough irrigation time to rinse the plants of any residual fertilizer.

FOLIAR APPLICATION

Cotton: 5-10 l/ha diluted at a rate 1:50-100. Apply at blooming and then every 1-2 weeks on its own or along with other foliar fertilizers.

Corn: 5-10 l/ha diluted at a rate 1:50-100. Apply prior to tasseling and 7-10 days later.

Clover, Alfalfa: 5-15 l/ha diluted at a rate 1:50-100. Apply after each cutting.

Peas, Lentils: 5-15 l/ha diluted at a rate 1:50-100. Apply during late bud or no later than 10% bloom.

Potato: 10 l/ha diluted at a rate 1:50-100. Apply at tuber formation, 2-3 weeks later and at tuber bulking.

Cereals: 5-15 l/ha diluted at a rate 1:30-80. Apply at emergence.

Tomato: 5-15 l/ha diluted at a rate 1:100-150. Apply at fruit set and then every 2-3 weeks.

Trees: 0.5-1.5 l per 400 l of water. Apply at first full leaf and then according to the needs of the crop.

Vineyards: 0.5-1.0 l per 200 l of water. Apply initially 15 days after blooming. Repeat after 7-10 days.

Liquid Potassium Thiosulphate Fertilizer

Thio-S-Kal

0 - 0 - 25 + 17S

- Excellent, easy to handle and economic source of Potassium.
- Increases the yield and the quality of the crops.
- Improves fruit coloring.
- Unlocks the bound soil micronutrients.
- Increases crop resistance against stress.
- Does not contain chlorine.

SYNHTESIS (w/w)

Total Potassium (K₂O) 25.0 %

Total Sulphur (S) 17.0 %

Sulphur is formulated in Potassium Thiosulphate (K₂S₂O₃). It does not contain free Sulphur.

Net Content

1 l 5 l 12 l 20 l



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Thio-S-Kal is a clear liquid Potassium Sulphur fertilizer composed exclusively by Potassium Thiosulphate. It covers the high needs in potassium that most crops have during the stages of rapid growth and fruit sizing.

Potassium is a basic element of the plant nutrition which controls the function of the leaf stomata, contributes to the cell divisions, regulates the cell swelling and is involved in the formation of proteins, carbohydrates and fats. On the other hand, Sulphur is necessary for the achievement of high yields and high quality in most crops. **Thio-S-Kal** offers an ideal combination of Potassium-Sulphur in a readily assimilated form which contributes to the creation of highly productive plants with high yields and excellent crop quality.

COMPATIBILITY

Thio-S-Kal is compatible with most fertilizers, micronutrients and pesticides. Although a test of compatibility is recommended in any case before mixing in the application tank. Special attention is required when mixed with Boron fertilizers since there is a possibility of creating burns. Special attention is recommended also when mixed with oils. When mixed with nitrates there is a possibility of creating a sediment. If this should happen, add water until the sediment is dissolved. The following mixing sequence in the tank is recommended: water, pesticide, **Thio-S-Kal**, other fertilizers. The ph of the final mixture must not be acid (<6.0).

CAUTION

Do NOT apply Thio-S-Kal foliarly in crops sensitive to sulphur and also when the temperature is higher than 30°C. Generally is recommended to avoid applications during extreme weather conditions (high temperatures, high or low humidity, frost, rain), very low soil humidity, high concentration of fertilizers in the soil or when the irrigation water is not sufficient. Also, it must not be applied on seeds when the soil salinity is high (conductivity > 2mS/cm).

PRECAUTIONS

Harmful if swallowed or inhaled. Avoid contact with eyes, skin and clothes because it causes irritation and possible damage. Wash thoroughly every exposed body part with plenty of water and seek medical advice for the eyes. If swallowed, give large amounts of water, induce vomiting and seek immediate medical attention. Use always personal protective equipment (mask, gloves, rubber or plastic aprons and boots) during application.

STORAGE

Store in its original container, out of direct sunlight and frost (freezing point -15°C). Empty containers must NOT be reused. Keep out of reach of children and pets.