

Liquid Ammonium Thiosulphate Fertilizer

Thio-S-Am

12 - 0 - 0 + 26S

- Excellent source of Nitrogen and Sulphur.
- Reduces the soil pH.
- Reduces the levels of Sodium and Bicarbonates in the soil.
- Increases the micronutrient availability of the soil.
- Improves water and air penetration in the soil.
- Eliminates the nitrification of the soil's nitrogen.

SYNTHESIS (w/w)

Total Nitrogen (N) 12.0 %

Total Sulphur (S) 26.0 %

Net Content

1 l 5 l 12 l 20 l



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APPLICATION RATES

Before applying the product read the precautions and the warnings of the label. **Thio-S-Am** can be used before planting or sowing as a starter fertilizer, also during growth by fertigation according to the type of the crop and the handling of the grower.

SOIL APPLICATION

Vegetables and other row crops: Apply 10-30 l/ha diluted at a rate 1:50-100 prior to sowing. Apply at least 5 cm below or next to the planting row of the seed.

Alternatively, apply 30-50 l/ha with an injection before planting 20-30 cm next to the planting row.

Trees-Vineyards: 50-100 l/ha diluted at a rate 1:50-100. Apply at the beginning of the growing season on the soil surface or in the soil with an injection careful of not hurting the roots. Avoid contact of the spray with the leaves and the trunk.

FERTIGATION

Vegetables and other row crops:

Apply initially at 3 to 4 true leaf stage and repeat every 1-2 weeks.

Drip irrigation: 10-20 l/ha with watering.

Sprinkler irrigation: 10-50 l/ha with watering.

Furrow or flood irrigation: 50-150 l/ha with watering.

Trees-Vineyards:

Apply initially at first full leaf and then every 1-2 weeks according to the needs of the crop.

Drip irrigation: 20-60 l/ha with watering.

Sprinkler irrigation: 30-50 l/ha with watering.

Furrow or flood irrigation: 100-200 l/ha with watering.

Cereals and Pastures:

Apply on the surface along with liquid nitrogen fertilizers as to cover the needs in Sulphur. Apply at a rate Nitrogen-Sulfur 5-7:1. The application frequency must always be determined by the needs of the crop. Always follow the precautions and warnings of the label for foliar sprays.

Fodders:

Apply after each cutting or when the crop is latent before the emergence of new growth.

Sprinkler irrigation: 50-150 l/ha with watering.

Furrow or flood irrigation: 50-150 l/ha with watering for an established crop. For young plants apply 40-80 l/ha.

Foliar application: 50-150 l/ha with a soil sprayer.

STORAGE

Store in its original container, out of direct sunlight and frost (freezing point -12°C). Empty containers must NOT be reused. Keep out of reach of children and pets.

Thio-S-Am is a clear liquid Nitrogen and Sulphur fertilizer consisted by ammonium thiosulphate which increases the crop yield while affecting the Nitrogen-Sulphur balance in the soil and increasing the content of Sulphur in soils poor in Sulphur. Furthermore, **Thio-S-Am** helps plants to assimilate and utilise better the rest soil nutrients such as phosphorus, zinc, manganese, copper and iron.

Thio-S-Am is being degraded by the soil micro organisms while releasing nitrogen and sulphur. The released Sulphur is in the form both of sulphates (SO₄) and of elementary Sulphur (S). Sulphates are readily available by the plants and at the same time they reduce the soil pH in alkaline soils and break down the bicarbonates allowing in this way Sodium to wash off from the irrigation water. Elementary sulphur is being oxidized gradually providing plants sulphur for a longer period of time in relation to other sulphate fertilizers. Besides that, **Thio-S-Am** acts as an inhibitor of nitrification and urease and as a result it reduces nitrate nitrogen losses by leaching and ammonia nitrogen losses by evaporation especially when it is mixed with other UAN fertilizers.

COMPATIBILITY

Thio-S-Am is compatible with most fertilizers, micronutrients and pesticides. Although in any case a test of compatibility is recommended before mixing in the application tank. When mixed with pesticides, mix with constant agitation of the tank so that the final mixture is homogenous. **It must NOT be mixed with acids and other acidic materials below a pH of 6.0.**

CAUTION

Do NOT apply Thio-S-Am foliarly on apples.

Do not apply foliarly on crops sensitive to Sulphur and also when the temperature is higher than 30°C. Generally it is recommended to avoid applications on the leaves during extreme weather conditions (high temperatures, high or low humidity, frost, rain) because it may cause burns. After any application on the leaves allow enough irrigation time to rinse the leaves as to reduce the possibility of burns. Also it must NOT be applied directly or near planted seeds since there is a risk of reducing their ability to germinate.

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. Do not contaminate ground water or surface water by cleaning equipment or disposal of waste in lakes, rivers and streams.