

ATS

14 - 0 - 0 N-P-K + 33% S

SIMPLOT ATS is a clear liquid concentrate of Sulphur and Nitrogen. Sulphur is a major constituent of plant protein and is essential for producing high yielding, high quality crops.

Without sulphur, crops will not make efficient use of other nutrients and will not reach their full yield or quality potential. SIMPLOT ATS ammonium thiosulphate 14-0-0-33 is an excellent source of sulphur for crops.

THE FUNCTION OF SULPHUR

Sulphur helps make up a number of amino acids such as cysteine, cystine, glutathione and methionine. Sulphur forms bridges to ultimately form proteins as well as maintaining stability. Most sulphur forms mainly structural components of plants. Without Sulphur a lot of protein synthesis will not occur. Sulphur is also a component of Coenzyme A and Thiamine (Vitamin B1)

THE FUNCTION OF NITROGEN

Nitrogen is the major building block in protein and chlorophyll. It is also essential for lipid and cytoplasm formation. Highly mobile in the plant, nitrogen is translocated to new growth. Yellowing of leaves and stunted growth are the main deficiency symptoms.

PRODUCT ANALYSIS

		w/v%
Nitrogen	(N)	14.0
Sulphur	(S)	33.0

PRODUCT SPECIFICATIONS

S.G:	1.35
pH (Neat):	8.0 - 9.0
Appearance:	Clear liquid
Shelf Life:	3 years

PRODUCT WEIGHTS (Kg)

5 Litre:	7.0
20 Litre:	28.0
200 Litre:	279.5
1000 Litre:	1430.0

NOTE BEFORE USE

The suggested application rates are designed for typical conditions and act as a guide only. Differences in soil types, climatic conditions, water quality, application methods and processes and therefore necessitate corrections to ensure optimum results. Best practice requires that applications under extreme weather conditions such as temperatures over 30°C, high humidity, frost, rain should be avoided. It's recommended that prior to applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total crop spray.

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DIRECTIONS FOR USE

SOIL APPLIED

Starter Fertiliser

Rate: 10 - 40 L / Ha, Water Ratio: 1 : 10 - 50
Apply at least 5cm below & 5 cm to side of row.

Sidedress

Rate: 10 - 180 L / Ha, Water Ratio: 1 : 10 - 50
Apply either surface banded or knife injected as a source of potassium and sulphur. Rates may vary depending on crop requirement and soil analysis. DO NOT apply with knife injectors and / or other kinds of fertiliser injecting equipment that may cause root damage

FERTIGATION

Drip Irrigation:

- Young trees & vines

Rate: 30 - 100 L / Ha
Apply during the season when roots are actively growing.

- Mature trees & vines

Rate: 50 - 140 L / Ha
Apply 1-2 times during the season when roots are actively growing.

Row crops

Rate: 30 - 50 L / Ha
Apply 2-3 times during growing season after plants well established.

Sprinkler, flood & furrow

Rate: 50 - 140 L / Ha
Apply schedule as needed based on soil and/or tissue analysis.

SIMPLOT ATS may be injected into the irrigation in small quantities or in less frequent applications at 125 - 375 mL / 100m² every 1-3 weeks.

FOLIAR (GROUND) APPLIED

Canola

Rate: 5 - 15 L / Ha, Water Ratio: 1 : 50 - 100
Apply from late bud to 10% bloom.

Cotton

Rate: 5 - 10 L / Ha, Water Ratio: 1 : 50 - 100
Apply at flowering, then every 7-14 days by itself or with other nutrient sprays.

Lucerne

Rate: 5 - 15 L / Ha, Water Ratio: 1 : 50 - 100
Apply at crown green-up or on regrowth after cutting.

Peas & Lentils

Rate: 5 - 15 L / Ha, Water Ratio: 1 : 50 - 100
Apply during late bud up to 10% bloom.

Potatoes

Rate: 10 L / Ha, Water Ratio: 1 : 50 - 100
Apply at tuber initiation, then every 7-14 days.

Small Grains

Rate: 5 - 15 L / Ha, Water Ratio: 1 : 30 - 80
Apply from tillering to early boot stage.

Tomatoes

Rate: 5 - 15 L / Ha, Water Ratio: 1 : 100 - 150
Apply when fruit is 5cm in diameter, then every 7-14 days.

Trees & Vines

Rate: 5 - 20 L / Ha, Water Ratio: 1 : 100
Begin application at first full leaf and apply as needed through growing season. Apply in min 400 L, but preferably 800 L water / Ha.

WATER RATIO: A dilution of 1 : 100 means 1 part product : 100 parts water. In hot weather, use the higher dilution rate where applicable. DO NOT apply to foliage of any crop when temperatures are above 30°C. DO NOT apply to crops sensitive to sulphur eg celery. Foliar burn may result. DO NOT mix with acid fertilisers. Product has a pH of 7.5. Blends of product must not be acidified below a pH of 6.0.