



PRODUCT INFO  
& DATASHEET

## SICOGREEN<sup>®</sup>-L SULPHUR

Fluid Nitrogen (15N) fertiliser containing Sulphur (52.2SO<sub>3</sub>) and Micronutrients, esp. for wheat, oilseed, rape and sugar beet

### 1. PRODUCT DESCRIPTION

\* **SICOGREEN-L<sup>®</sup> SULPHUR** is a liquid Nitrogen- Sulphur enriched formulation for foliar fertilisation.

The composition of **SICOGREEN-L<sup>®</sup> SULPHUR**, particularly its nutrient ratio, **meets the specific Nitrogen-Sulphur requirements of the particularly S-demanding crops: wheat, oilseed rape and sugarbeet.**

\* Sulphur as well as Nitrogen are particularly important in protein synthesis as it is contained in essential amino acids Methionine and Cysteine.

\* N and S are known for their synergistic effect on plant metabolism. Sulphur is also involved in plant disease resistance.

\* **Sulphur deficiency is an increasing problem** due to clean air programmes/SO<sub>3</sub>-emission controls, reduced use of wettable Sulphur fungicides and higher yield intensity in cereals and rapeseed oil. Autumn sown crops are more susceptible to S deficiency than spring sown crops.

### 2. NUTRIENT CONTENTS

Macronutrients		% w/v	% w/w
N	(nitrogen)	20	15
Micronutrients		g/l	% w/w
SO <sub>3</sub>	(sulphurtrioxide)	696	52.2 (= 20.88S)
B	(boron)		0.01
Cu*	(copper)		0.004
Fe*	(iron)		0.02
Mn*	(manganese)		0.012
Mo	(molybdenum)		0.001

The cationic micronutrients (iron, copper, manganese) are fully chelated EDTA.

### 3. PHYSICOCHEMICAL PROPERTIES

Colour:	yellow
Density:	1.323 g/cm <sup>3</sup>
pH-value:	approx. 6.2

### 4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

- \* Increased protein content, e.g. in wheat.
- \* N-Sulphur readily and fully available for leaf absorption.
- \* Compatible with most commonly used pesticides and NPK foliar fertilisers.
- \* **Free from elemental S which is completely unavailable for foliar and root uptake.**
- \* Highly concentrated liquid Sulphur.
- \* Improves soil fertiliser Nitrogen efficiency.
- \* Autumn application improves frost resistance.
- \* Improves plant health.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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EVERY TIME THE RIGHT SOLUTION



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## **5. FIELDS OF APPLICATION AND USAGE RATES**

* Crop	Timing	Rates of use (l/ha)
<b>Oilseed rape</b>	1. during leaf development (autumn application 4–6 leaf stage for winter oilseed rape) 2. during early stern extension period	3 – 5 l/ha and treatment
<b>Cereals (particularly winter wheat/barley)</b>	1. tillering 2. beginning of stern elongation until first node stage	3 – 5 l/ha and treatment
<b>Sugarbeet</b>	1. 4-6 leaf stage 2. 6-8 leaf stage	3 – 5 l/ha and treatment

**SICOGREEN-L<sup>®</sup> SULPHUR** can be mixed with most pesticide applications.

Do not exceed the recommended dosage.

Do not apply during flowering !

For the purpose of optimal leaf wetting, **SICOGREEN-L<sup>®</sup> SULPHUR** should be applied with a sufficient water volume of approx. 400 l/ha in joint application with pesticides.

## **6. PACKAGING**

10 l / 100 l

## **7. PRECAUTIONS AND LIABILITY**

When storing **SICOGREEN-L<sup>®</sup> SULPHUR**, temperatures below 0°C (32°F) and above +40°C (104 °F) as well as frequent temperature fluctuations should be avoided. Considerable changes in temperature and/or too low temperatures can cause crystallisation. The crystals will however easily dissolve again in the spray solution. Prolonged storage may also cause colour change and a reversible phase separation. Neither crystallisation nor colour change will in any way affect the product quality as regards the desired physiological effect.

When mixing with pesticides for the first time, test on a small scale before general use.

The recommendations given here are of a general nature only. Please consult the special instructions for use before applying the product.