



**PRODUCT INFO
& DATASHEET**

SICOFERT "RED GRANULAR"

COMPLEX NPK 15.5.20 + 2 MgO + 20 SO₃ + TE (L.C.)

For Chlorine sensitive crops and Phosphorus rich soils

1. TYPICAL SPECIFICATIONS

Typical Chemical analysis

Total Nitrogen (N)	15
Phosphorus Pentoxide (P ₂ O ₅)	5
Potassium Oxide (K ₂ O)	20
Total Magnesium Oxide (MgO)	2
Total Sulphur (S)	8
<u>Trace elements</u>	
Total Boron (B)	0.02
Total Zinc (Zn)	0.01
H ₂ O content	max. 1.5%

Analysis Specification

7% Nitrate Nitrogen (NO₃)
 8% Ammoniacal Nitrogen (NH₄)
 soluble in neutral ammonium citrate and in water,
 3.8% water soluble
 water soluble (only from potassium sulphate)
 of which
 1.6% water soluble MgO
 of which
 6.4% water soluble S

of which
 0.01% water soluble boron

LOW CHLOR: below 2%

PHYSICAL PROPERTIES

Sieve analysis

* 90%	between	2-5 mm
* Average size particle		3 - 3.6 mm
* Bulk density		1.17 t/m ³

General remarks:

This fertiliser is produced on basis of Potassium Sulphate, hence also suitable for intensive horticulture. The granules are colored red.

2. GUIDELINES FOR APPLICATION

Please consult your local agronomist for a tailor-made personal fertilisation program based on soil examination & analysis. If such advice is not available, then the below mentioned table will give you an indication of required quantities.

This fertiliser is used as soil fertiliser in horticulture and on public greens.

Is very suitable for cultivation of flowerbulbs, fruits, trees, ornamentals, etc... both in open soil and under glass.

APPLY TO SOIL

	<u>BASIC FERTILISATION (kg/100 sqm)</u>	<u>EXTRA FERTILISATION (kg/100 sqm)</u>
Root vegetables (carrots, celeriac, etc.)	4 – 6	4 – 5
Leek	5 – 6	4 – 5
Gherkins	10	5 – 6 (2x)
Lettuce	22	-
Cabbages	18	3 – 7 (2x)
Ornamentals	3 – 6	3 – 4
Small fruit	4 – 6	4 – 6
Fruit trees	5 – 8	-
Grapes	7 – 9	2 – 4
Orchards & tree nurseries	6	-
Tobacco	7 – 8	-
Potatoes (before plantation)	10 – 15	-
Orchards and vine (at start of vegetation)	8	-
Market crops (before seeding or plantation)	12.5 - 15	-

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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SICO FERTILISERS
 EVERY TIME THE RIGHT SOLUTION



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Sprinkle the item per above table evenly on / under soil around plants. Apply during the full period. Dosage to be used depends on local factors, crops and climatological conditions. Please contact local agronomist or importer. Above indications are given without any responsibility.

3. ADVANTAGES & RECOMMENDATIONS

This fertiliser is especially recommended for chlorine sensitive crops and phosphorus rich soils. Many farmers know this formula as the right solution for many problems

*** On phosphorus rich-soils:**

Even then phosphate fertilisation should not be omitted. The present phosphorus is mostly present in stable form, which cannot be taken up sufficiently by the plants. Such circumstances (eg. cold or humid soil) frequently occur in springtime. Hence it is important to foresee the plants with the first fertilisation also with an 'active' – this is easily available phosphate.

But also with late crops one should take care not to entirely omit phosphate. Here the good availability and the utilisation of the nitrophosphates is particularly advantageous. The phosphorus content is defined in such a way that plants can take up sufficient phosphate, but that the soil is not further enriched with phosphorus. Exact fertilisation in horticulture is "tailor-made" work.

This standard formula meets perfectly all nutritional requirements in horticultural crops. This rich nitro-potash formula allows the modern farmer also with very high soil phosphate values to utilise all advantages of high quality complex fertilisers and to fertilise all his crops with little strewing labour. Moreover the high N and K2O values allow lower dosages helping to save on fertilisers. Potassium is an important nutritional element for the formation of valuable basic nutritious substances and is present in this formula in an ideal ratio to nitrogen. Many horticulturists use this valuable fertiliser and experience its advantage together with other SICO special horticultural fertilisers as:

- SICOFERT RED GRANULE 12.12.17 S + 2 MgO + TE + 15SO3 and
- SICOFERT GREEN GRANULE 12.8.18 S + 3 MgO + TE + 32SO3

QUANTITY OF NUTRITIOUS SUBSTANCES FROM SICOFERT RED GRANULE 15.5.20 S + 2 MgO + TE

Quantity in kg/ha	Nutritious substances in kg/ha			
	<u>N</u>	<u>P2O5</u>	<u>K2O</u>	<u>MgO</u>
400	60	20	80	8
600	90	30	120	12
800	120	40	160	16
1200	180	60	240	24

*** Ideal for chloride sensitive crops**

Potassium is present in fertiliser in the form of potassium sulphate or potassium chloride or both. Chlorides increase the danger of soil salination, especially in periods of draughts and hence less leaching. Chlorides have influence especially on the carbohydrates management in the plant by influences on the enzymes: it reduces the build-up of fruit-and grapesugars and also increases the water content in harvest products. These factors negatively influence the quality. This formula only contains potassium in sulphate form for topquality and for intensive horticulture.

4. PRECAUTIONS

Always keep the bag closed when not in use.
Store out of direct sunlight and damp.

Keep out of reach of children
Wash hands after use.

5. PACKING In 25/50/500/1000/1200 kg bags.



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