



**PRODUCT INFO
& DATASHEET**

SICOGREEN[®] CHALLENGE RANGE

water soluble fertilisers, special formulae for open fields.

04/2022

INTRODUCTION

Our new SICOGREEN CHALLENGE product line is specially prepared for open fields and some of the more challenging countries pricewise. These formula have 7.5% Chlorine (Cl) and are without CTE.

Formulas in our SICOGREEN CHALLENGE range are:

SICOGREEN -K CHALLENGE 12.12.36	Purple colored	SICOGREEN -B CHALLENGE 18.18.18	Green colored
SICOGREEN -P CHALLENGE 13.40.13	Orange colored	SICOGREEN -B CHALLENGE 20.20.20	Green colored
SICOGREEN -LP CHALLENGE 16.8.32	Pink colored	SICOGREEN -N CHALLENGE 25.5.5	Blue colored

SICOGREEN -K CHALLENGE NPK 12.12.36 (+ 5 SO₃)

High K water soluble fertiliser, special formula for open fields, purple colored

1. PRODUCT SPECIFICATIONS

1) Chemical Analysis (Tolerances and deviations allowed as per EU regulations)

	Guaranteed	Calculated Specifications
Nitrogen (N)	min. 12 %	5.8% Nitrate N (N-NO ₃) 2.35% Ammoniacal N (N-NH ₄) 3.85% Ureic N (N-NH ₂)
Phosphorus Pentoxide (P ₂ O ₅)	min. 12 %	water soluble
Potassiumoxyde (K ₂ O)	min. 36 %	water soluble
Anhydrous Sulphur (SO ₃)	5%	water soluble
Chlorine (Cl)	7.5%	
pH-range guaranteeing acceptable stability of EDTA: 2 - 8		

2) Physical Specifications

* Appearance/Colour:

Crystalline/powder form – **Purple colored**

We do not take responsibility for the intensity of the coloring as changes in reaction with the ingredients from batch to batch.

2. GENERAL RECOMMENDATIONS FOR USE

As foliar fertiliser: use 2-6 kg/ha in 200-1000 litres of water. Apply when deficiency symptoms occur and repeat 2 - 3 times.

In fertigation: use 2 g/l in irrigation water. Apply shortly before stage of strong growth and repeat the application..

The above recommendations should be adapted depending on differences in climate, soil temperature, application and irrigation system. Furthermore: the number of applications, the quantity per ha as well as the interval times may vary regarding the culture types and the formulations. Please consult your local dealer or a qualified agronomist.

3. HOW TO APPLY?

- Add SICOGREEN ® gradually to the water filled mixing tank, while stirring the solution.
- Solubility is affected by water temperature, which we recommend to be at 20 °C.
- In case of mixing different products with SICOGREEN ®, always add first SICOGREEN ® and other products afterwards. Do not mix with products based on calcium.
- When mixing with pesticides for the first time, test on a small scale before general use.
- For foliar feedings: apply during the coolest time of a hot day (in the evening) and the warmest time of a cool day ideally not in temperatures above 27 °C.
- Stir well before application
- Use not less than 400 litres of spray liquid per ha.
- In general, avoid application during flowering.
- The use of wetting agents may improve effectiveness (please consult us). It is important to know the pH of the irrigation water. Our SICO PENETRATOR agricultural spraying water conditioner combats medium and high pH water and neutralises unwanted ions such as calcium, magnesium and bicarbonates. Please ask our literature.

4. STORAGE CONDITIONS

- Store dry & cool, away from direct sunlight, in well-ventilated warehouse & area.
- Highly soluble products are very hygroscopic: protect the products from humidity during handling & storage.
- Keep bags well closed, away from children

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

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