



PRODUCT INFO
& DATASHEET

SICOPROF

SEED TREATMENT & GROWTH STIMULANT

16/01/2018

1/ PRODUCT DESCRIPTION

SICOPROF will promote early root development and maximise seedling health and survival by boosting natural resistance and providing vital early growth biostimulants

2/ PRODUCT SPECIFICATIONS

SICOPROF contains NPK with vital trace elements; plant extract amino acids; *Ascophyllum nodosum* extract; extract of immature citrus, zinc, manganese and ammonium acetate; Humic acids; and the powerful activity of Phosphorous acid as phosphites/phosphonates; with a seed coating agent.

Nitrogen	150g/L	(All Amino or Ammoniacal)
Phosphorous	115g/L	(P2O5 equivalent all as Phosphite)
Potash	30g/L	(K2O equivalent)
Zinc	10g/L	
Manganese	10g/L	
Amino acids	30g/L	(As natural plant extracts)
<i>Ascophyllum</i> extract	30g/L	(Sympathetically extracted to preserve hormones)
Natural Citrus Extracts	30g/L	(Improves resistance to pests and disease)
Acetates	25g/L	(Improves early rooting)
Humic acids (soluble)	10g/L	(Improves nutrient uptake and seedling health)

3/ FEATURES

It has been well recognised in recent years that the maximum potential of field crops is determined during the vital survival and development period during the first thirty days from germination.

That early growth period determines the number of seeds that will not only germinate, but survive to deliver the final yield and quality. The faster the germinating seed lays down the maximum root structure, the faster it collects nutrients to sustain rapid early growth

The more rapid early growth is achieved the better the young plants survive adverse conditions and early photosynthetic area is optimised.

- Phosphites boost energy and thereby disease resistance, improving all aspects of early health and development, providing the powerful Phosphite resistance to soil borne pathogens like Pythium and Phytopthera which are responsible for so many seedling diseases (damping off). (see also our SICO Phosphite based fertilisers – info on request)
- The amino acids and carbohydrates in **SICOPROF** are all derived from natural plant extracts and as such are readily utilised by the developing young plant.
- The humic acid content improves the plants ability to metabolise nutrients.
- Zinc is well known to support seedling health and development in many crops.
- Manganese improves over-wintering ability and early growth.
- Zinc and ammonium acetates have been widely demonstrated to improve root development by stimulating many crops during early growth.
- The citrus extract is rich in phyto-alexins that help protect and strengthen the plant against pest attack.

SICOPROF has been designed to complement existing seed treatments, promoting maximum germination and improving both speed of growth by stimulating hormone production, and the health of the seedling during the vital first 30 days. This produces the optimum platform on which to build yield and quality, generating maximum returns for the grower.

4/ RECOMMENDED USAGE

Use 3L/Ton on all cereal seeds, and up to 10L ton on smaller seeds like Oilseed Rape and Grass etc.

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