



# OUTRUN SD

Seed dressing biostimulant



## OUTRUN SD

Composition	
Declared Content	g/L
Total nitrogen (N)	150
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> ) water soluble	115
Potassium oxide (K <sub>2</sub> O) water soluble	30
Manganese (Mn)	10
Zinc (Zn)	10
Ascophyllum cold extract	30
Free amino acids (plant origin)	30
Natural citrus extracts	30
Acetates	25
Soluble Humic acid	10



OUTRUN SD promote early root development and maximise seedling health and survival by boosting natural resistance and providing vital early growth. It is NPK fertilizer 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 phosphates/phosphonates; with a seed coating agent.

## OUTRUN SD features:

- Phosphates **boost energy** and thereby disease resistance, improving all aspects of early health and development, providing the powerful Phosphate resistance to soil borne pathogens like Pythium and Phytophthora which are responsible for so many seedling diseases (damping off)
- The amino acids and carbohydrates 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 demonstrated to **improve root development** by stimulating many crops during early growth.
- The citrus extract is rich in phytoalexins that **help protect and strengthen** the plant against pest attack.

## OUTRUN SD agronomic benefits:

- 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 30 days** from germination.
- That early growth 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**.
- OUTRUN SD 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.
- **OUTRUN SD produces the optimum platform on which to build yield and quality, generating maximum returns for the grower.**

## OUTRUN SD Application Rates:



OUTRUN SD can be used with conventional fungicide seed dressings.

Application Type	Seed dressing, rate:
Cereals	3 litres per tonne
Maize, Peas, Beans	2-3 litres per tonne
Oilseed rape	5-10 litres per tonne
Grass seed and other small seeded crops, vegetables etc.	5-10 litres per tonne

