

Technical Information Sheet

Ympact® seed treatment is based on scientifically proven, patented nutrient technology that improves plants physiology, reduces stress and improves yield and crop quality.

Key facts

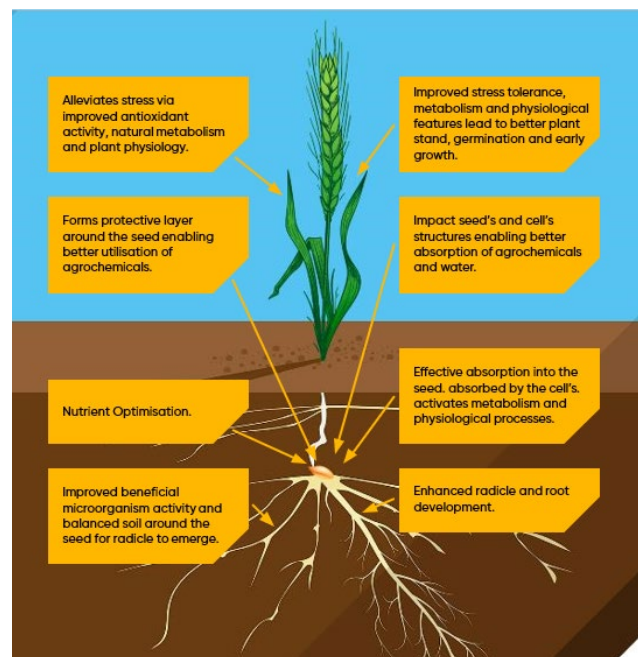
Composition:	Fulvic acid, Humic acid, trace elements including Copper (0.45%), Manganese (0.74%), Zinc (1.1%), Boron, Cobalt, Sodium.
Dose rate:	0.7 litre per 1 tonne seed
Crops:	Cereals (winter wheat, spring wheat, durum wheat, winter barley, spring barley, oat, rye, spelt, triticale) and peas.

What is it?

- Growth nutrition seed treatment.
- A highly concentrated molecular level complex containing humic and fulvic acid as well as organic nutrients and chelated micro-elements.
- Three-way impact on seed:
 - Inside the seed
 - Soil contact with seed
 - Combination with agrochemicals

How does Ympact work?

- Inside the seed
- Ympact penetrates the seed's coating, leading to enhanced germination:
 - Nutrient optimisation
 - Enhanced radicle and root meristem development
- Absorption of Ympact leads to increased rate of nutrient and water absorption by the seed.
- Stress alleviation.
- Antioxidant activity; mitigation of oxidative stress.



In soil contact with seed

- Increased micro-organism activity via introduction of available carbon and nutrients. Prolonged lifespan of beneficial bacteria.
- Improvement of local soil quality and properties around the seed:
 - Stable, nutrient rich soil for radicle to emerge.
 - pH; stabilisation to both acid and alkaline direction.
 - Water retention; humic substances in Ympact can retain approximately 7 times of its volume in water.
 - Stabilisation against changes.

In combination with agrochemicals

- Ympact has a glueing effect, which aids adsorption of other agrochemicals.
- Optimised chemical stress tolerance in the plants.
- Excellent seed safety properties.

UK Trials Findings



Ympact



Untreated



Ympact



Untreated



Ympact

Untreated

- Ympact stimulates root development from early establishment.
- Ympact increases photosynthetic activity, improves plant health and development.
- Better root and foliar development with Ympact.