

GROWTH NUTRITION SEED TREATMENT

Inspired by nature, Ympact[®] is a novel biostimulant seed treatment which enhances seedling growth by optimising metabolic processes and abiotic stress tolerance.

A seed treatment with unique growth and nutritional properties. It enhances seed germination and encourages robust early growth resulting in resilient crop establishment.

WHY USE YMPACT?

- Speeds up plant emergence and improves early crop vigour.
- Enables more uniform plant establishment.
- Increases biomass and chlorophyll content.
- Improves metabolic activity and plant resilience.
- Increases winter hardiness.

THE DETAIL

Ympact helps crops to get off to a great start during early growth development even in poorer establishment conditions. It is formed from purified lignin, which is a natural by-product of the paper manufacturing process sourced from conifer trees.

The resulting product, Ympact is a biostimulant that contains an optimal ratio of humic and fulvic acids which are bonded with selected micronutrients essential for plant development.

Nutrient availability is essential for any plant to function to its optimum. In the beginning, nutrients in the endosperm are neither immediately or sufficiently available to support germination properly. Seeds initially only have a limited amount of energy available to release nutrients for germination and plant development.

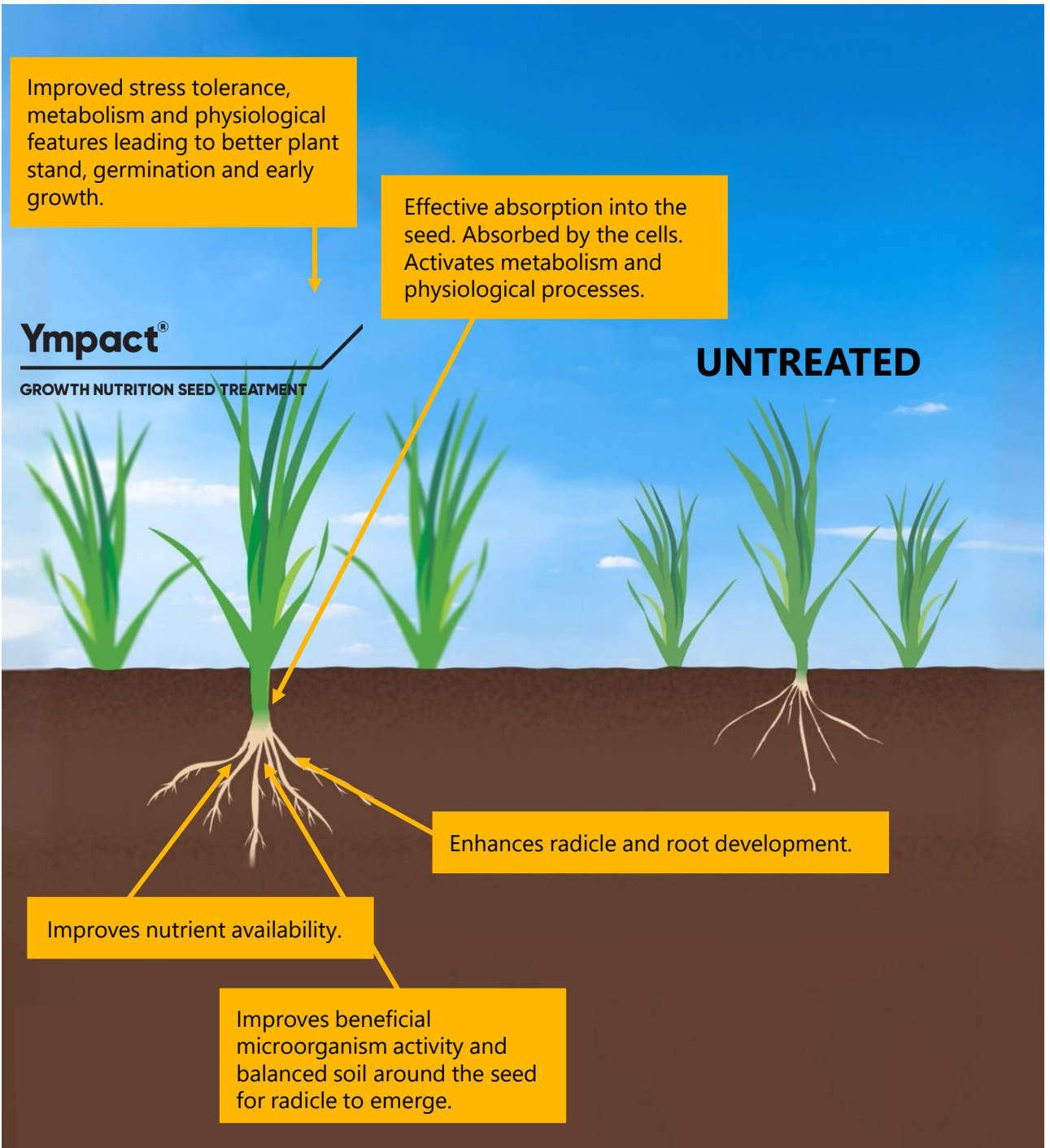
With Ympact's unique molecular complex combined with micronutrients, seeds are supported with additional external nutrients and energy which support various metabolic activities during the germination process.



Micronutrients in Ympact and their role

Micronutrients	Main role in cereals
Zinc (Zn)	<ul style="list-style-type: none"> ▪ Auxin co-factor. ▪ Activates cell division and elongation. ▪ Improves crop germination, emergence, seedling growth, plant stand and yield.
Manganese (Mn)	<ul style="list-style-type: none"> ▪ Empowers enzyme activity. ▪ Accelerates cell elongation and cell division.
Copper (Cu)	<ul style="list-style-type: none"> ▪ Major function in photosynthesis and indirect role in chlorophyll production.

BENEFITS



Ympact contains complexed micronutrients making them readily available for the seed. The uniqueness of the complex ensures the bioavailability of nutrients in early stage of growth and supports plant development in various conditions.

KEY ADVANTAGES FOR THE PLANTS

Optimises nutrient bioavailability for metabolic and physiological processes for early growth stages.
Increases root system development:

- Supports root hair formation, improving access to soil water and nutrients.
- Enhances root division and elongation from early establishment .
- Improves crop vigour and establishment.

Improves spring growth of winter crops:

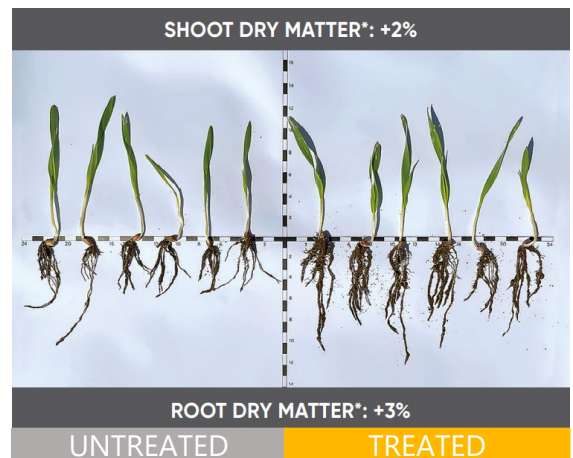
- Enables faster formation of storable carbohydrates before winter.
- Improves winter hardiness.
- Supports vegetative re-growth in spring

Improves the conditions for plant resistance to abiotic stress factors such as drought, heavy rainfall, and frost. Cereals treated with Ympact are more resilient to adverse conditions.
Enhances plant health and development by supporting photosynthetic processes.



KEY ADVANTAGES FOR THE SEEDS

- Beneficial for microorganism activity around the seed.



FORTIFIED WINTER HARDINESS

- Speeds up plant emergence and early growth vigour.
- Enables more uniform plant establishment.
- Increases biomass of the plants and chlorophyll content.
- Increases metabolic activity leading to an improvement in plant resilience. Improves overwintering, and yield formation capacity of the plant.
- Helps maintain the number of productive tillers, grain number in ear and ear length.
- Helps maintain grain quality potential.

KEY FACTS

Product details: Humic and fulvic acid with bonded chelated nutrients, Zn, Cu and Mn.

Crops: Cereals

TECHNICAL PROFILE

- Dose rate on all cereals: 0.7 L/t
- Compatible with conventional seed treatments
- Complies with "EX2003/2003" and marketed as "EC-FERTILISER"

YMPACT IS SUITABLE FOR USE ON ALL CEREALS CROPS:

- Winter and spring wheat
- Winter and spring barley
- Winter rye
- Winter and spring triticale
- Durum wheat
- Spelt
- Winter and spring oats



For technical enquiries, contact our hotline team.

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