



OPTIMISE CROP NUTRITION



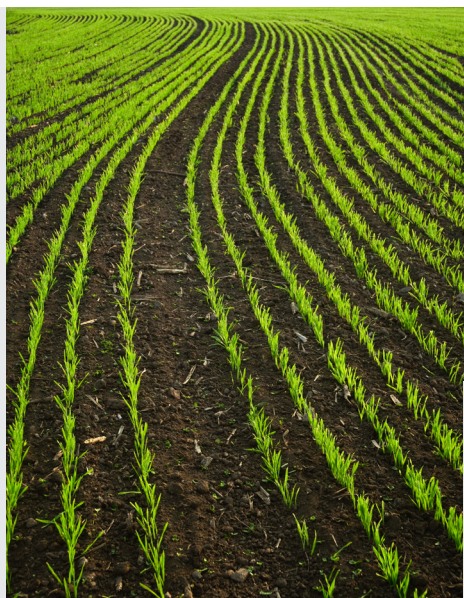
#InnovationImpact

What does it do?

Its an efficient phosphorus fertiliser containing N, P, K and microelements (calcium, copper and zinc) for use in furrow and/or foliarly delivering nutrients very efficiently to the crop.

It has a low salt index making it ideal to be placed near the seed/tuber as it will pull less water from the seed reducing stress.

High organic content of fulvic and humic acids to function as a soil builder.



Application

CROP	TIMING	DOSE *
Cereals	Planting and foliar at key growth stages	1.0 – 2.0 l/ha
OSR	Planting and foliar at key growth stages	1.0 – 2.0 l/ha
Potatoes	Planting and foliar at key growth stages	2.0 – 4.0 l/ha
Sugar Beet	Planting and foliar at key growth stages	1.0 – 2.0 l/ha
Maize	GS 13–16 (add Zinc due to P lock-up)	1.0 – 2.0 l/ha
Fruit	Planting and foliar at key growth stages	1.0 – 4.0 l/ha
Vegetables	Planting and foliar at key growth stages	1.0 – 4.0 l/ha
Grassland	Planting and foliar at key growth stages	1.0 – 4.0 l/ha

**For most applications*

How does it do it?

The high-grade formulation enhances the delivery of the nutrients to the plant at key times within the crop's growth cycle, as well as stimulating the soil biology to maximise other nutrient availability with L-PGA increasing the assimilation within the plant.

The phosphite component “tricks” the plant into a phosphorus deficiency situation, so the plant respond by increasing root length, biomass and importantly activity (exudation).

Features

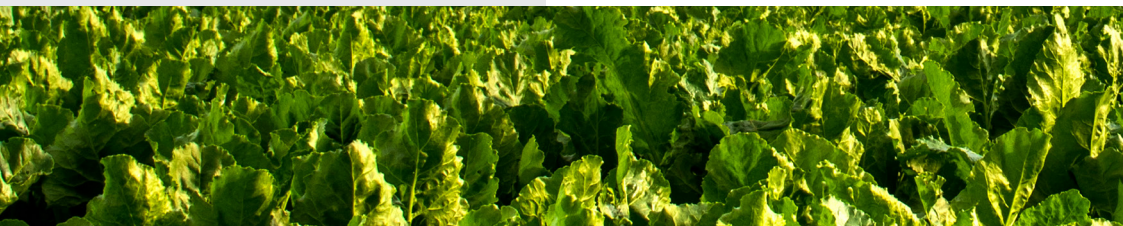


- Very efficient soil and foliar P delivery
- Increased root biomass, root length, root exudation
- Increased N assimilation via L-PGA
- Increased Photosynthesis = increased CO₂ fixation
- Safest, tank-mixable, and cost effective
- Peer reviewed as the most effective PO₃ formulation to give confidence

Benefits



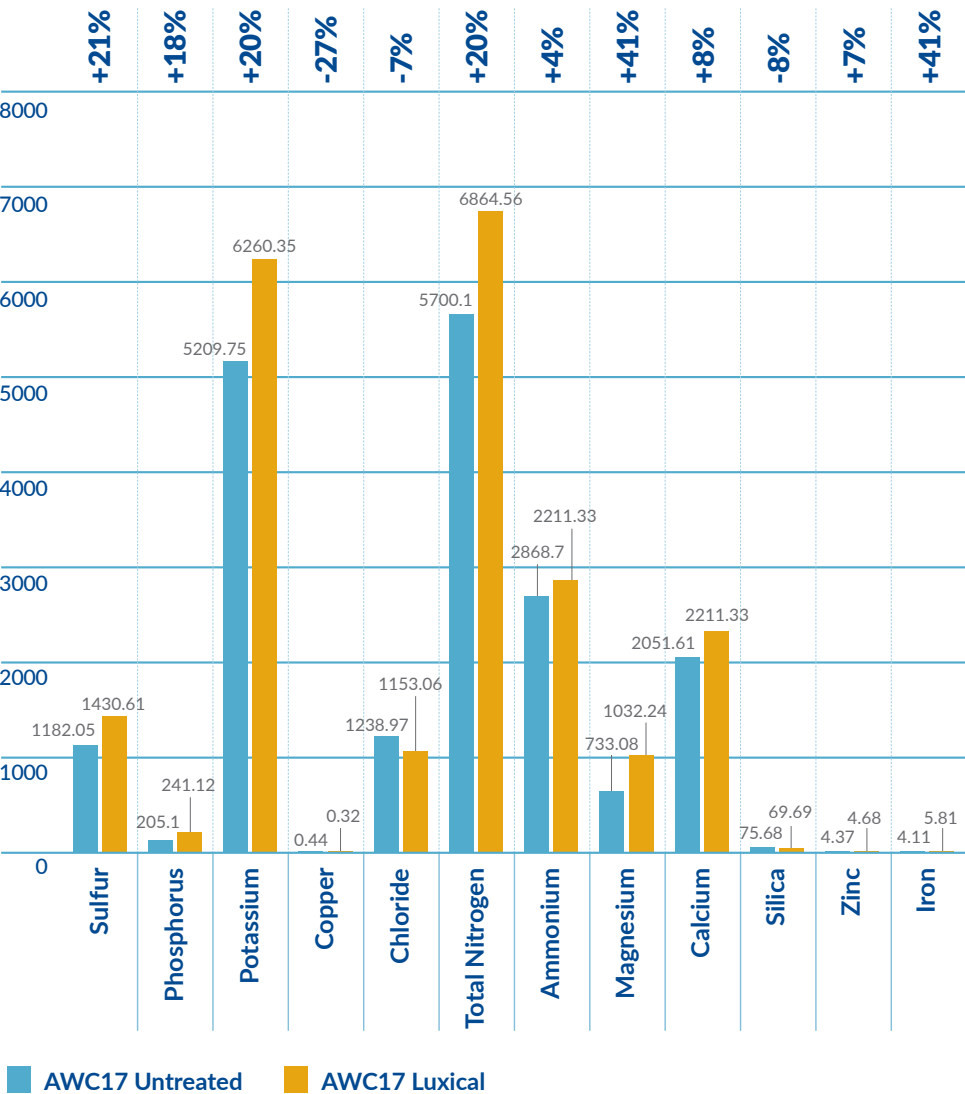
- Increased phosphorus delivery to the plant at key growth stage
- Increased phosphorus use efficiency
- Increased leaf protein
- Increased nutrient use efficiency
- Increased soil microbial health and biomass
- Enhanced yield / quality



Results

The Impact of Luxical on Wheat Nutrition

Application T0 2025 Assessed T3 2025





Luxical is a bio available organic acid formulation of phosphorus.

The activated complex of three different P sources maximises plant availability, root scavenging, maximises foliar uptake and minimises soil lock up.

Its unique blend of ortho & poly phosphate with calcium phosphite. It is further supported with pidolic acid (L-PGA) to enhance nitrogen use efficiency, increase photosynthesis and carbon fixation supporting plant growth and development for optimal yield.



innovation range

Making a **real impact** on your farm

Bioscience products for healthier, productive crops. **#InnovationImpact**



LUXICAL



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