

Technical mode-of-action and benefit summary for each product line in AISL's range.

Humi-Cal-FeK

Composition: Humic acid, fulvic acid, chelated calcium, potassium & iron

Mode of action: Improves nutrient & water-use efficiency; Initiates new root mass/volume; De-locks bound soil nutrients; Boosts beneficial soil microbes.

Benefits: Higher yield & quality; Fewer disease incidents; Better soil fertility & structure.

Target crops: All commercial fruit, flowering & vegetable crops

Ultra Power Gro

Composition: Humic/fulvic acid, seaweed extract, amino acids, metal co-factors

Mode of action: Improves nutrient & water-use efficiency; Improves root cell division; Balances plant hormonal effect; Strong anti-stress / bio-stimulant action.

Benefits: Better yield & quality; Overcomes biotic & abiotic stress; More flowering, less fruit drop.

Target crops: All commercial fruit, flowering & vegetable crops

BorCaZink

Composition: Boron, zinc, chelated calcium & potassium

Mode of action: Corrects Zn/B/Ca/K deficiency; Increases leaf pigment & size; Improves internodal & longitudinal growth.

Benefits: Less flower/fruit drop; Better pollination & fruit set/size; Resists lodging & biotic attack.

Target crops: Commercial fruit, flowering & vegetable crops

CaMBochel

Composition: Chelated calcium, magnesium & boron (EDTA form)

Mode of action: Supplies Ca, Mg & B in balanced form; Improves cell division via turgor pressure.

Benefits: Eradicates blossom-end rot (tomato, pepper, cucumber, watermelon); Reduces banana/mango pitting; Indirect control of Sigatoka & powdery mildew.

Target crops: Tomato, pepper, cucumber, watermelon, banana, mango

Bio Miracle

Composition: Organic osmolyte molecule & effective nutrients

Mode of action: Osmoprotectant & ROS scavenger; Stabilises proteins/membranes under stress; Triggers hormonal & bio-stimulant activity.

Benefits: Faster stress recovery; Better germination, growth & branching; Enhanced produce quality.

Target crops: All commercial fruit, flowering & vegetable crops

Folergy

Composition: Rich seaweed extract for rooting

Mode of action: Optimises photosynthesis, respiration & sugar transport; Boosts root:shoot ratio via bio-stimulant activity.

Benefits: Antibiotic & phosphorus-solubilising action; Nitrogen assimilation; Bio-control of harmful pathogens.

Target crops: All commercial fruit, flowering & vegetable crops

Micro Chel

Composition: Chelated micronutrients with EDTA

Mode of action: Keeps micronutrients available at high soil pH.

Benefits: Prevents oxidation/precipitate loss of micronutrients.

Target crops: All commercial fruit, flowering & vegetable crops (fertigation)

PotPhor (PhosK Phite)

Composition: Potassium salt of phosphorous acid (80%)

Mode of action: Improves root efficiency; Strengthens plant defence response.

Benefits: Counters biotic stress; Controls root diseases.

Target crops: Commercial fruit, flowering, vegetable & cereal crops

Horticultural Soap

Composition: Potassium salt of long-chain (C28) fatty acid

Mode of action: General cleaning/washing of crop surfaces.

Benefits: Improves crop physiological performance.

Target crops: Commercial fruit, flowering, vegetable & cereal crops

Organo-Cal

Composition: Chelated calcium, magnesium & boron with bio-stimulant

Mode of action: Enhances Ca & B uptake via bio-stimulant/chelation activity.

Benefits: Better health & disease control; Improves yield & quality.

Target crops: Commercial fruit, flowering, vegetable & cereal crops

Myco-Phos

Composition: Endo-mycorrhiza (3 species)

Mode of action: Symbiotic root association.

Benefits: Enhances phosphorus solubility & uptake.

Target crops: Fruit, vegetable, flower, cereal, timber & nursery crops

Regalunia

Composition: Organic compounds, antioxidants, vitamins & phyto-hormones

Mode of action: Drives SAR/ISR (systemic & induced resistance) development.

Benefits: Protects roots from infection; Improves nutrient uptake & utilisation.

Target crops: All commercial crops

Infuze

Composition: Lemon oil-based D-Limonene

Mode of action: Superior surfactant / adjuvant, sticker & spreader.

Benefits: Improves pollination and fruit quantity/quality.

Target crops: All commercial fruit & flowering crops

Micro Gel

Composition: Chelated micronutrients (organic acid form)

Mode of action: Improves enzymatic activity.

Benefits: Fast correction of micronutrient deficiency.

Target crops: All commercial fruit, flowering & vegetable crops

Folery Ev

Composition: Bio extract, three genus essential oils

Mode of action: Oil-based biotic/wound response.

Benefits: Effective for wound & injury (5 mL/L); biotic stress (3 mL/L).

Target crops: All commercial fruit & vegetable crops

Exel Leaf

Composition: Complete macro & micronutrients

Mode of action: Balanced nutrient ratio across growth stages.

Benefits: Full-spectrum nutrition for all growth stages.

Target crops: All commercial fruit, flowering & vegetable crops

Bio Gold Mine

Composition: Consortium of live microbes (metabolites)

Mode of action: Improves soil biology & PGPR activity.

Benefits: Increases available N, P, K, S, Mn & Zn.

Target crops: All commercial crops (soil applied)

Bio Cal

Composition: Readily available calcium

Mode of action: Rebuilds calcium status after cold/frost stress.

Benefits: Improves calcium uptake and plant recovery.

Target crops: All commercial fruit & vegetable crops

Bio Shield

Composition: Chlorophyll-forming organic molecule with nutrients

Mode of action: Supplies amino acids for chlorophyll biosynthesis.

Benefits: Greener crop, improved photosynthetic activity.

Target crops: All commercial fruit, flowering & vegetable crops
