

TECHNICAL DOCUMENT



Improve Fruit Quality & Yield in Stressful Growing Conditions

K 20 (FRUIT SET) – Increasing Crop Yields



K 20 is an improved formulation of last season's FRUIT SET product that has achieved impressive yield increases in replicated canola & cotton trials. K 20 combines 3% Nitrogen and 22% Potassium that has been solubilised under controlled conditions with organic alcohol & pH balanced to make it a highly available foliar plant stimulant. Alcohol's small molecule size has been shown in trials to help transport nutrients into the leaf of C3 plants and to also increase photosynthesis and decrease photorespiration.

K20 is a clean liquid product, compatible with other nutrients and easy to apply to crops and trees. Trials on many crops, locally and abroad, have shown the ability of K20's patented technology to improve a plant's ability to cope with abiotic stress caused by heat, cold and drought conditions. K20 has been designed to add yield by helping plants cope with stress at key growth periods of flowering & pollination and fruit set by limiting the stress caused by unfavourable weather conditions that ultimately leads to yield loss.

In conjunction with smart farming practices, K 20 has shown to deliver better returns for growers across many agricultural sectors.

Manufacturing

K 20 is made from the highest quality ingredients available to produce a consistently effective product. Manufacturing processes are carefully maintained and scrutinised to ensure the integrity of each

batch of K 20. Ingredients are carefully sourced, balanced and solubilised to optimise the results achieved by K20.

Applications

Fruit retention and quality is a key driver across many agricultural crops. K 20 trial work has initially been targeted at the following sectors:

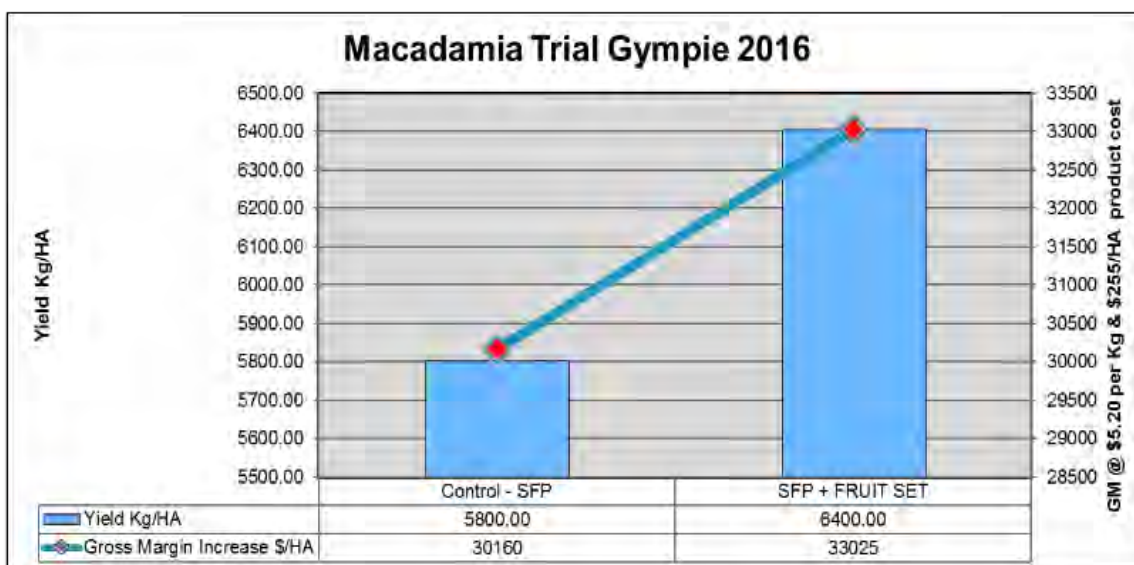
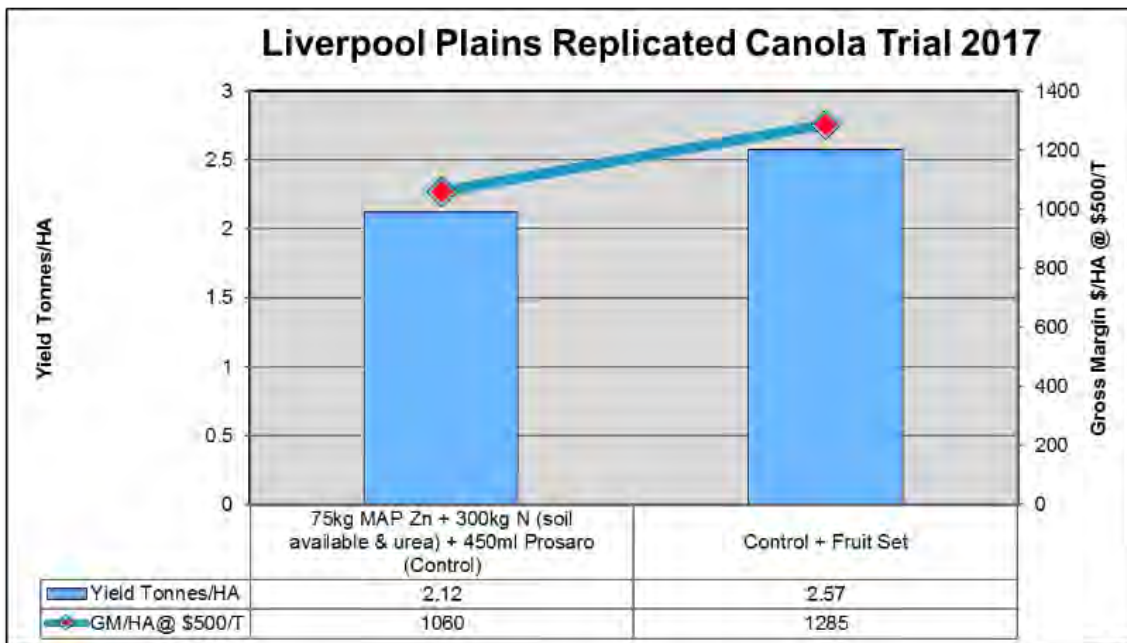
- Horticulture – nut trees
- Cotton
- Broad acre cropping – canola.

K 20 is initially applied at flowering and then again in the days prior to expected extremes in abiotic conditions (namely heat and drought) to improve that plant's ability to deal with such events. Our ongoing commitment to Research & Development continues to show the potential of K 20 to improve fruit quality, yield and returns for local growers.



Trial Work

Independent, replicated & randomised trials have been conducted along with numerous field trials over the past five years. These trials have clearly demonstrated the potential for K 20 to increase yields for growers across many different crops. A summary of some previous Fruit Set trial results follows:



About Microsoil Australia

Significant investment into R&D over the last 10 years has seen Microsoil develop, manufacture and supply a range of high quality products for agricultural production. The range of independently tested, innovative products includes:

- Liquid fertilisers
- Plant stress relief products
- Plant and soil microbe stimulants
- Colour enhancement (red skin fruit) &
- Disease resistance products.

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