



# XCELL

# BOOST



**Xcell Boost** is a liquid complex of enzymatically hydrolyzed L-amino acids and help to be applied during periods of biotic and abiotic stress to promote general plant growth and improve quality and yield.

**TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.**

## ACTIVE INGREDIENTS

Free Amino Acids	112 g/ℓ
Auxins	15 mg/ℓ
Cytokinins	10 mg/ℓ

Derived from:  
Protein Hydrolysate and Kelp (*Ecklonia Maxima*).

SG (@ 20 °C) = 1.06 ± 0.02

Manufactured by:  
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**WARNING**



See enclosed for full details.  See container side for both Batch No. and Manufacture Date. Product expires 2 years after date of manufacture.

## Product Description:

- **Xcell Boost** is a natural plant growth stimulant based on Free Amino Acids and Kelp (Ecklonia Maxima).
- **Xcell Boost** is specifically designed to promote general plant growth and to enhance the plant's ability to recover from biotic stress factors.
- **Xcell Boost** contains natural growth stimulant, Auxins, Cytokinins and plant available Amino Acids.
- **Xcell Boost** is chlorine free and safe to use on all crops including seedlings.

## Compatibility:

- **Xcell Boost** is compatible with most agricultural remedies.
- It is however advisable to do a miscibility test prior to mixing **Xcell Boost** with other agricultural products.
- **Xcell Boost** is not compatible with copper fungicides and highly alkaline products.

## Mixing Instructions:

- Shake the container thoroughly before use.
- Follow the standard tank mixing procedure if this product is applied in combination with other agricultural products.
- Ensure good agitation throughout application.

## Storage:

- Store in the original, well-sealed container away from direct sunlight in a cool dry environment.
- Keep away from children, uninformed people, animals and foodstuffs.

## Application Instructions:

- **Xcell Boost** can be applied as both a foliar or soil application.
- **Xcell Boost** is recommended for use during:
  - Periods of high biotic and abiotic stress
  - Germination, transplanting, bud formation, fruit set, rapid fruit development
  - Periods when low temperatures are problematic.
- **Xcell Boost** should preferably be applied in the early morning late afternoon.
- Consult your chemical distributor, consultant or the registration holder should crop specific programmes be required, or if any additional information and guidance is required concerning the use of this product.
- For optimum results **Xcell Boost** should be used in a balanced plant nutrition programme.
- Ensure good even coverage of the plants.
- The rate of application is dependent on the plant growth stage, stress levels and reaction required. The lower rates should be used for maintenance while higher rates should be used during severe periods.

# Directions for use: (Use only as directed)

## FOLIAR APPLICATION:

Crop	Rate/ha	Remarks
<b>Berries</b>		
i. Blueberries, Blackberries, Raspberries	1 - 5 ℓ 1 - 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 - 3 times with 14 day intervals Apply in 300 ℓ water/ha
ii. Strawberries	1 - 2 ℓ 1 - 2 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 - 3 times Apply in 200 ℓ water
<b>Bulb, Tuber &amp; Root Crops</b>		
i. Onions, Garlic	1 - 2 ℓ 1 - 2,5 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 - 3 times Apply in 200 ℓ water
ii. Potatoes, Sweet Potatoes	1 - 2 ℓ 1 - 2 ℓ 3 - 5 ℓ 3 - 5 ℓ	i. Start of emergence ii. Apply 3 weeks after transplant iii. Repeat 14 days after transplant iv. Repeat 14 days later, repeat 2 - 3 times Apply in 200 L water.
iii. Beetroot, Carrots	1 - 2 ℓ 1 - 2,5 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 - 3times Apply in 200 ℓ water
<b>Cucurbits</b>		
Cucumbers, Marrows, Melons, Pumpkins, Baby marrows	1 - 2 ℓ 1 - 2,5 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 - 3times Apply in 200 ℓ water
<b>Grain Crops</b>		
i. Maize, Sorghum	1 - 3 ℓ 3 - 5 ℓ	i. Apply 2 - 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
ii. Barley, Oats, Wheat	1 - 3 ℓ 3 - 5 ℓ	i. Apply 2 - 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
<b>Grapes</b>		
Table and Wine Grapes	1 - 3 ℓ 3 - 5 ℓ 3 - 5 ℓ	i. Apply at 2-5 cm shoot length ii. Apply 14 days later iii. Apply at pea berry size Apply in 500-750ℓ water/ha

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Crop	Rate/ha	Remarks
<b>Leafy Vegetables</b> Lettuce, Spinach	1 – 2 ℓ 1 – 2,5 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 – 3 times Apply in 200 ℓ water
<b>Legumes</b> i. Dry Beans, Peas	1 – 3 ℓ 3 – 5 ℓ	i. Apply 2 – 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
<b>Nut Trees:</b> Macadamia, Pecan, Wall nuts	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 200 L water/ha.
<b>Oil Seed Crops</b> i. Canola	1 – 3 ℓ 3 – 5 ℓ	i. Apply 2 – 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
ii. Groundnuts	1 – 3 ℓ 3 – 5 ℓ	i. Apply 2 – 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
iii. Soy Beans	1 – 3 ℓ 3 – 5 ℓ	i. Apply 2 – 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
iv. Sunflower	1 – 3 ℓ 3 – 5 ℓ	i. Apply 2 – 3 weeks after emergence ii. Apply 14 days later Apply in 200 ℓ water/ha
<b>Ornamentals</b> i. Cut Flowers, Bulbs	1 – 3 ℓ	i. Drench seedlings before transplant (see drench application below) ii. Apply 2 weeks after transplant. iii. Repeat every 14 – 21 days. Apply in 200 – 500 L water/ha.
<b>Pastures and Lawns</b>	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat application after 14 days Apply in 300 ℓ water/ha
<b>Pineapples</b>	1 – 3 ℓ 1 – 3 ℓ	i. Apply at the start of the growing season ii. Repeat application after 14 days Apply in 1000 – 2000 L water/ha.

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<b>Pome fruit</b> Apples, Pears, Quinces	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 1000 - 2000 ℓ water/ha
<b>Solanaceous Crops</b> i. Chilies, Paprika, Peppers, Tomatoes	1 – 2 ℓ 1 – 2,5 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 – 3times Apply in 200 ℓ water
ii. Tobacco	1 – 2 ℓ 1 – 2,5 ℓ	i. Drench seedlings before transplanting (see drench application below) ii. Apply 2 weeks after transplant iii. Repeat 14 days later, repeat 2 – 3times Apply in 200 ℓ water
<b>Stone Fruit</b> Apricots, Nectarines, Peaches, Plums	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season Repeat 2 – 3 times with 14 day intervals Apply in 1000 - 2000 ℓ water/ha
<b>Sugarcane</b>	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 300 ℓ water/ha
<b>Subtropical Fruit</b> i. Avocados	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 1000 - 2000 ℓ water/ha
ii. Guavas	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 300 - 500 L water/ha.
iii. Lychees, Mangoes	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 1000 - 2000 ℓ water/ha
iv. Citrus	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 1000 - 2000 ℓ water/ha
<b>Other Crops</b>	3 – 5 ℓ 3 – 5 ℓ	i. Apply at the start of the growing season ii. Repeat 2 – 3 times with 14 day intervals Apply in 300 ℓ water/ha

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Crop	Rate/ha	Remarks
<b>SOIL APPLICATION:</b>		
All Crops	5 - 10 L	Apply through irrigation water or apply directly to the soil with suitable applicator. Use sufficient water to wash into root zone. Use the lower dosage on younger plants and higher dosage for mature plants. Repeat application every 14 – 21 days as necessary.
<b>DRENCH APPLICATION:</b>		
Young trees	4 % solution	Add 1 – 5 ℓ solution as a soil drench or into the planting hole before planting
Seedlings	4 % solution	Drench seedlings or seedling trays for 5-10 minutes in solution before transplanting

### Warranty:

Although this product has been extensively tested under large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic conditions as well as method, time and accuracy of application