

Kelpak®

Biostimulants & Quality Improvement

Use

To enhance root growth which improves crop establishment leading to higher yield and better quality. Kelpak helps to increase plant tolerance to abiotic stress and improves pollen germination, pollen tube growth, fertilisation and fruit set.

Crops

All horticultural crops.

Pack Size

5, 25, 1050 litres

Function of Kelpak

Kelpak is a kelp concentrate which is manufactured using a unique cell-burst process without heat, chemical digestion or dehydration. This patented process ensures maximum retention of the delicate growth promoting substances found in this species of kelp. Kelpak also contains a wide range of nutrients, vitamins and amino acids.

The combination of plant growth regulating hormones impact upon plants in different ways according to the plant growth stage and condition. Auxins and phlorotannins improve root growth; polyamines help to reduce the impact and symptoms of abiotic stress and brassinosteroids promote pollen tube elongation resulting in better fruit set.



Composition

Kelpak contains amino acids, auxins, brassinosteroids, cytokinins, gibberellic acids, phlorotannins, polyamines and vitamins

Typical Analysis (per litre)

Nutrients

Nitrogen (N)	3.6g	Phosphorus	8.2g	Potassium	7.2g
Magnesium (Mg)	0.2g	Calcium	0.8g		
Plus micronutrients					

Directions for Use



Use Kelpak as directed below. Apply 2-3 l/ha for most crops, in 200-600 l/ha water. Small areas: rate (1 ml/l) as below, apply to the point of run off. Do not exceed 10l per 100m² of crop.

The spray tank should be filled with half the required water. After shaking the container, measure the required amount of Kelpak and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution and spray. Adjust pH of spray solution to less than 7 if necessary.

Crop	Timing	Rate l/ha	Rate ml/l water	Comments
Modules and Seedling Trays (All Crops)	As a root dip		10	Dip or wet module/seeding tray with solution before transplant
	As a foliar spray		2-3	Apply before transplant, repeat 14 days after transplanting, use the higher rate in poor conditions
Protected Edibles	7-10 days after planting or 4 true leaves ¹	2		Repeat after 14-21 days
Field Vegetables	From 4 true leaves	2-3		Repeat after 14-21 days. Use the higher rate when growing conditions are poor
Hardy Nursery Stock	As a root drench		2-3	Drench at 1l of diluted mix per m ² of growing medium. Repeat after 14 days
	As a foliar spray	3	3	Apply at planting, repeat at 14 day intervals up to 4 applications, or apply once after the second drench
Protected Ornamentals	7-10 days after planting or 4 true leaves ¹	2.5	2.5	Repeat at 14-21 day intervals up to 4 applications
Establishment of Soft Fruit and Tree Fruit	Bare root drench		10	Dip bare roots for 5 minutes before transplant
	Soil drench		2-3	Drench at 1l of diluted mix per m ² of growing medium
	Foliar Spray	3		Apply during early active growth following transplant application. Repeat up to 3 times at 14-21 days
Established Soft Fruit ²	From early flowering	3 or 2		Apply up to 4 applications 21 days apart Apply up to 6 applications 14 days apart
Established Tree Fruit ²	See comments	3		Deciduous: Spray at 50% bloom, fruit set and 14 days later to increase fruit set and retention. Spray after set and repeat twice at 14 days to improve size Evergreen: Spray at pre-bloom, full bloom, fruit set, with a further application 14-21 days later if requires

Notes

¹ Leave a minimum of 14 days between application of Kelpak. If modules/seedlings received Kelpak before application maintain the 14 day interval.

² Strawberries for best results apply in sequence with CalMax Ultra

Do not tank mix with cytokinin products as this will negate the benefit of auxin-like stimulation. Do not tank mix with copper based fungicides. For further information on compatibility and tank mixing, and for physical compatibility with pesticides refer to the website.

For more information contact: OMEX Horticulture, Estuary Road, King's Lynn, Norfolk, PE30 2HH

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