

Kelpak®

Biostimulants & Quality Improvement

**EFCI Register - FPR 2019/1009 -
B-Kelpak / Kelpak 24201-09/12/2024-
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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, 20, 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 natural active compounds impact upon plants in different ways according to the plant growth stage and condition. Phlorotannins improve root growth; polyamines help to reduce the impact and symptoms of abiotic stress and both promote pollen tube elongation resulting in better fruit set.



Composition

Kelpak contains amino acids, carbohydrates, phlorotannins, polyamines and vitamins.

Typical Analysis

Nutrients

Nitrogen (N)	0.36%	Phosphorus	0.82%	Potassium	0.72%
Magnesium (Mg)	0.02%	Calcium	0.08%		
Plus micronutrients					

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◆ 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 (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/seedling 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, Tree Fruit and Vines	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 Apply during early active growth following transplant application. Repeat up to 3 times at 14-21 days.
	Foliar Spray	3		
Established Soft Fruit ²	From early flowering	2 or 3		Apply up to 6 applications 14 days apart. Apply up to 4 applications 21 days apart.
Established Tree Fruit ³	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 required.
Vineyards/ Wine Grapes	As a foliar spray	2-3	3	Apply at 5-10 cm shoot growth to improve bunch stretching. Spray 2 weeks before flowering and repeat at 30% flowering to improve berry set, berry uniformity and yield. Apply pre-veraison and at veraison to improve fruit sugar and colour (red varieties).

◆ Notes

¹ If modules/seedlings received Kelpak before application maintain the 14 day interval.

² For best results apply in sequence with CalMax Ultra.

³ Cherries - In a fast breaking spring reduce the interval to 7 days between applications.

Do not tank mix with copper based fungicides. For further information on compatibility and tank mixing refer to the section on pages 64-65, and for physical compatibility with pesticides refer to the website.