



Organic seaweed extract from the seaweed species (*Ecklonia Maxima*)

Scientific research has shown that Kelpak enhances root development with improved utilization of soil nutrients and fertilizers resulting in better top growth. Kelpak not only greatly improves crop yields but also strengthens overall plant growth producing healthier crops with less disease problems and higher resistance to stress.

What is Kelpak:

Kelpak is manufactured from freshly harvested seaweed using a unique process that does not involve the use of chemicals, freezing, heat or dehydration. This “cell burst” technique ensures that the delicate growth regulators are released in their natural active form. Kelpak should be used in conjunction with your normal fertilizer programme.

When to use:

Kelpak should be applied during the initial growth stages of crops. Trials have shown that Kelpak, when sprayed with herbicide reduces plant setback/herbicide shock on cereals.

Directions of use:

Use only as directed. Shake well before use. Kelpak should not be applied in a spray solution with a pH above 7, never be more dilute than 1:500 and should not be applied more frequently than 14 days apart. Kelpak is compatible with most standard herbicides, insecticides and liquid fertilizers.

When used through irrigation systems, Kelpak should be introduced during the last 10 minutes of irrigation, preventing dilution beyond 200ml/100L water. For best results apply in conjunction with a wetter/sticker in the spray solution.

Store in a cool place

Dilute Kelpak in sufficient water and apply as per the following calibrations:

KELPAK APPLICATION CHART

CROP	RATE	TIMING
Beans - Dry/Green	2 L/ha	Spray at 3 to 4-leaf stage. Repeat application once or twice at 14 day intervals.
Flowering and Ornamental Plants	1:100 dilution 1:400 dilution	Dip tray with seedlings in solution, or wet seedling tray/bag with watering can before transplant. Spray at 14 days after emergence of plant-out. Repeat 2 to 3 times at 21 to 28 day intervals.
Fruit Trees New plantings	1:100 dilution or 1:200 dilution or 1:500 dilution and 1:300 dilution	Dip bare roots for 5 minutes before transplant or Soak seedling bag before transplant or Soak soil around trees after plant-out or Apply through irrigation system. Spray 3 to 5 times during early active growth at 21 day intervals.
Deciduous	3 L/ha	Spray at full bloom, fruit set and again 14 days later (14 to 21 day intervals).
Evergreen	3 L/ha	Spray at pre-bloom, full bloom, fruit set and, optional, 14 to 21 days later. If water volume exceed 1000 L/ha, increase Kelpak rate to retain 1:300 dilution.
Maize	2 L/ha	Spray at the 3 to 5 leaf-stage.
Potatoes	1:300 dilution 2-4 L/ha 2 L/ha	Dip seed potatoes before planting for approximately 5 minutes, or spray in furrow before covering. Spray after emergence as soon as enough leaf surface for absorption is present (14 to 28 days DAE) Spray again 12 to 14 days after first foliar application, but do not apply after tuber initiation.
Rice Paddy field (direct sowing) Seedbed treatment Field transplant	1:400 dilution 2 L/ha 2 L/ha 2 L/ha	Add to sanitary seed dip before sowing. Spray at 14 to 28 days after emergence. Spray seedbed after emergence as soon as enough leaf surface for absorption is present and repeat 1 to 3 days before transplant. Spray 14 to 21 days after transplant.
Roses New planting Established plants	6 L/ha 3 L/ha 6 L/ha 3 L/ha	Drench after planting. Spray twice after transplant at 14 to 21 day intervals. Drenching at end of the flush. Spray once 14 to 21 days after drench (repeat for every flushing cycle).
Sugar Cane New Planting Established Plantings	1:300 dilution 2 L /ha 2 L /ha	Dip stalks of new plantings or Spray stalks in furrow before covering. Spray at 60 to 90 cm leaf length stage. Spray at 60 to 90 cm leaf length stage.
Vegetables Transplanted seedlings Directly sown	1:100 dilution 2 – 3 L/ha 2 – 3 L/ha	Dip tray with seedlings in solution, or wet with watering can before transplant. Spray 14 days after transplant and repeat once or twice at 14 to 21 day intervals. Spray at 3 to 5 leaf stage and repeat once or twice at 14 to 21 day intervals.
Wheat	2 L/ha	Spray at 4 to 6 leaf stage.