

HortiKelp

Unique concentrated seaweed extract.

Increases crop health, yield and quality.

Contains the highest available level of bioactives and solids (30% w/v)

Attribute	Benefits
HortiKelp liquid carries 30% suspended solids and the highest level of bioactives in the market	More plant bioactives (hormones, vitamins, amino acids and carbohydrates)
	Lower application rates required than with other seaweed products
	Increased yield, improved flowering and fruit retention and tolerance to environmental stresses and diseases
The highest levels of plant hormones such as Auxins, Gibberellins and Cytokinins	Rapid promotion of plant growth, enhanced fruit development and improved quality
Extraction methods involve no chemical solvents	The naturally-occurring active ingredients are preserved for uptake by the crop
Mildly acidic pH formulation	HortiKelp is less likely to precipitate when mixed with soluble fertilisers.



HortiKelp is approved for use in organic cultivation by the Organic Farmers and Growers Association.

HortiKelp is a concentrated liquid seaweed extract used to increase crop health, yield and quality, principally derived from *Ascophyllum nodosum*.

Seaweed extracts from *Ascophyllum nodosum* have repeatedly shown their ability to promote yield and plant health in both scientific and on-farm trials. HortiKelp seaweed extract is well-established as a biofertiliser and as a plant biostimulant.

As a biofertiliser, HortiKelp is a balanced source of macronutrients, trace elements and organic carbon.

As a biostimulant, HortiKelp promotes physiological responses which exceed those explained by chemical nutritional analysis alone.

Biostimulation includes improved flower and fruit retention, increased yield, stronger root system development and improved tolerance to environmental stresses and diseases. In addition, it increases populations and activity of beneficial microbes.



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Analysis w/w

Total nitrogen (N)	0.58%
Total phosphate (P ₂ O ₅)	0.29%
Total phosphorus (P)	0.13%
Total potash (K ₂ O)	1.02%
Total potassium (K)	0.85%

The naturally-occurring nutrients in HortiKelp include:

- Vitamins A, B1, B2, B3, B5, B12, C, D, E, K, choline and carotene.
- Bioactive amino acids including alanine, valine, glycine, isoleucine, serine, tyrosine and stress protecting amino-betaines.
- Plant hormones: auxins, gibberellins, and cytokinins.
- Essential trace elements including boron, copper, iron, magnesium, manganese, molybdenum and zinc.

Application protocol: Apply HortiKelp early in the crop cycle and throughout the growing season. Always dilute in water and apply as either a foliar spray or through the fertigation system. Ensure the product has fully dispersed before starting application.

Fertigation systems

For constant feeding: apply HortiKelp at 0.025ml/litre of fertigation. For application via a dilutor, make a stock solution of 250 ml HortiKelp per 100 litres of water. Dilute the stock at 1:100 (1%) to produce 10,000 litres of fertigation solution.

For periodic feeding and during heavy cropping: apply HortiKelp at 0.05 to 0.3ml/litre of fertigation. For application via a dilutor, make a stock solution of 0.5 to 3 litres of HortiKelp per 100 litres of stock. Dilute the stock at 1:100 (1%) to produce 10,000 litres of fertigation solution.

Foliar spray

Apply at 0.5 to 1 litre HortiKelp / ha in 200 to 600 litres of water. For small areas via knapsack sprayer, dilute at 1.5 to 2ml/litre and apply to run-off.

Apply from planting to first fruit set at 2 to 3 weeks intervals during the season, or when strong vegetative growth is desired.

HortiKelp is available in 10 L, 200 L and 1000 L IBC

