

100% Kelp Power

North Atlantic Kelp - Ascophyllum nodosum
Seaweed extract to maximise crop productivity



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Seaweed extract to maximise crop productivity

100% Kelp Powder™

North Atlantic - *Ascophyllum nodosum* - Seaweed Extract

Product Code: SG0042

100% Kelp Powder™ is made from North Atlantic kelp (*Ascophyllum nodosum*). The dry formulation makes for a cost effective source of highly efficient kelp.

Benefits of *Ascophyllum nodosum* seaweed extracts;

- increase nutrient uptake & yield.
- increase the shelf life of fruit and cut flowers.
- increase frost tolerance.
- increase high-temperature tolerance.
- decrease water stress, due both to drought and salinity.
- increase chlorophyll production.
- repair the photosynthetic system.
- decrease accumulation of harmful reactive oxygen species.
- increase resistance to fungal & sucking insect attack.
- increase rachis stretch (grapes).
- increase fruit set.
- decrease crop stress associated with fungicide applications.
- enhance germination.

Guaranteed Analysis (w/w)

Kelp	100.0%
Nitrogen (N)	0.5%
Phosphorus (P)	0.7%
Potassium (K)	14.1%
Sulphur (S)	1.0%
Carbon (C)	20.0%
Calcium (Ca)	0.2%
Magnesium (Mg)	0.2%
Total Organic Matter	48.0%
Amino Acids	4.0%
Alginic Acid	12.0%
Mannitol	4.0%
Fuoidan	12.0%
Other	
Oligosaccharides	16.0%

Application Rates

See following page for detailed application rates



Application Rates

Apply 1.1 kg/ha per application

Crop	1st	2nd	3rd	4th	Notes
Horticulture Crops					
Apple	Pre pink bud stage	Prior to king bloom	50% fruit size	15 - 30 days pre-harvest	
Pear	White bud stage	Pre bloom	7 days before petal fall	50% fruit size	
Citrus	Start of spring growth	14 days pre bloom	Petal fall	10 days after petal fall	
Table Grape	20cm shoot growth	Pre bloom	Post bloom	Bunch closure	Can continue every 14 days after bunch closure
Wine Grape	3cm shoot growth	Post bloom	Post calyptra fall	Veraison (colouring)	
Almonds	Pink bud	Petal fall	Post shuck fall	Early nut sizing	
Strawberries / Raspberries / Cranberries	Pre bloom	Full bloom	10 days after fruit sizing begins	20 days after fruit sizing begins	Every 10 days
Blueberry	Pre bloom	Petal fall	Every 7 days during fruit sizing	AT colour change	
Avocados	Spring growth	Pre bloom	Petal fall	Every 10 - 14 days as required over summer	
Stone fruit (peach, apricot, plum)	Pink / white bud	Petal fall	Jacket split	30% fruit sizing	
Cherries	First white flower	Full bloom	Petal fall	Post shuck fall	
Field Crops					
Cereal	Seed Dressing	4 - 5 leaf stage	8 leaf (first node)		Prior to any crop stress (frost, chemical damage)
Cotton	Seed Dressing	Every 10 days as required			
Corn	Liquid injection (2.5 kg/ha)	4 - 5 leaf stage	Tassel		
Vegetable - fruiting Tomatoes, Caps, Eggplant	Liquid injection (2.5 kg/ha)	Every 14 - 21 days until harvest			
Vegetable - Roots (Potatoes)	Liquid injection (2.5 kg/ha)	Every 14 - 21 days until harvest			
Vegetable - Leafy Green (Lettuce, Spinach)	Liquid injection (2.5 kg/ha)	Every 10 - 14 days until harvest (500 g/ha)			
Turf					
Turf	Every 14 - 20 days				

Notes

Application rates are guidelines only. Rates should be adjusted based on crop size, yield potential and sowing/planting rates. Water rates should be sufficient to ensure sufficient foliar coverage.

Soil application via boom or irrigation: Rates can safely be up to 10 times greater than the upper recommended foliar rates.

Fertigation Mixing Procedure: Fill the tank with 50% of the required water. Begin agitation and add the kelp powder slowly. Once thoroughly mixed, fill the remaining water. Apply within 24 hours of mixing. Avoid extreme daytime temperatures and windy days.

SLTEC® 100% Kelp Powder is compatible with most common Ag Chem products. Jar mixes are recommended.

This product should not be mixed with acidic products or products with high calcium content as precipitation may develop.



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