



« Enhanced efficiency through innovation »



KYNOKELP



Name:

KynoKelp®

Properties (What):

KynoKelp is seaweed suspension containing natural macro and micro elements that can be used as a foliar application or root application. It is derived from the kelp species *Ecklonia maxima*, which grows along the Atlantic coast of Southern Africa.

Seaweed extract	98% m/m
Presentation	Green Liquid
pH	6 - 6.2 (0.01% dilution @ 20 °C)
Similar Weight (SG)	1 - 1.1 g/cm ³ @ 20°C
Phosphate (P)	96.4 g/kg of 97.4 g/L

*Due to seasonal variations and the natural ingredients used in this product, values may change.

Application (How):

- The application rate is dependent on the plant growth stage, the degree of adverse conditions and the response required. The lower doses can be used for maintenance while the higher doses will enable the crop to overcome periods of severe stress.
- KynoKelp should preferably be applied in the early morning or late afternoon.
- It is advisable to do a miscibility test first before mixing KynoKelp with other fertilizers.
- Please ensure that you do not exceed the maximum application rates per hectare. Do not exceed a concentration of 2% (2L/100L) when mixed with other fertilizers in a spray tank.

Foliar Application:

- Apply a minimum concentration of 0.2% (2L/1'000L of water), but do not exceed an application rate of 2% (2L/100L). When using low volume sprayers, increase the concentration accordingly so that a minimum of 2L of KynoKelp per hectare is used.

Fertigation:

- Apply at a concentration of 0.1% (1L in 1'000L of water). Repeat every 7 - 14 days for at least 4 applications.

Crop	Application amount	Application
Legumes		
Soyabeans	4L/ha	Apply at the third, three-leaf stage.
	2L/ha	Apply 14 days later.
Green Beans, Dry Beans, Lentils, Lupins, Clover, Alfalfa, Peanuts	2L/ha	Apply at the third, trifoliate leaf. Repeat application twice with 14 day intervals.
Solanaceous Fruits		
Potatoes	200ml/100L water	Spray potato nuts in planting furrow with planter.
	4 L/ha	Apply a second application 21 to 28 days later to germination.
	2 L/ha	Reapply 10 to 14 days later, but avoid application during flowering stage.
Tomatoes, peppers, paprika, chilli	1L/100L water	Dip the roots of the seedling in the solution before transplanting or alternatively drench the transplants just before or after plant out.
	2L/ha	Apply 14 days after transplanting and repeat the application twice with 14 day intervals.
Vine		
Wine and Table Grapes	3L/ha	Apply in 1000L of water after flowering and repeat 2 to 3 times at 10 to 14 day intervals.

Benefits (Why):

- Kynokelp encourages the growth of plant roots. The improved root growth increases nutrient absorption and water use. Higher yields are produced by established, stronger plants.
- The plants experience extreme stress while producing fruit, which Kynokelp can help manage.
- Kynokelp aids plants in managing additional stress factors that could restrict growth.

Uses (Why):

- KynoKelp is designed to be applied as a soil application as well as a foliar feed because it is readily absorbed by plants.
- Apply when additional root growth is necessary, such as during seed germination or transplanting.
- Use if unfavourable environmental circumstances prevent or restrict root growth.
- Can be used to keep the root system healthy.
- During bud development, fruit set, and rapid fruit development, kynokelp can be used.
- When the plants are under extreme stress, KynoKelp can also be used.
- High salt content or low temperatures are two examples of stressful situations.



« Verbeterde doeltreffendheid deur innovasie »



KYNOKELP



Naam:

KynoKelp®

Eienskappe (Wat):

KynoKelp is 'n seewiersuspensie wat natuurlike makro- en mikro-elemente bevat wat as 'n blaartoediening of worteltoediening gebruik kan word. Dit is afkomstig vanaf van die kelpspesie *Ecklonia maxima*, wat langs die Atlantiese kus van Suider-Afrika groei.

Seewier ekstrak	98% m/m
Voorkoms	Groen vloeistof
pH	6 - 6.2 (0.01% verdunning @ 20 °C)
Soortlike gewig (SG)	1 - 1.1 g/cm ³ @ 20°C
Fosfaat (P)	96.4 g/kg of 97.4 g/L

*Hierdie produk bestaan uit natuurlike bestanddele; dus kan die waardes fluktureer as gevolg van seisoenale variasies.

Toediening (Hoe):

- Die toedieningshoeveelheid is afhanklik van die plantgroeistadium, die graad van die ongunstige toestande en die reaksie wat vereis word. Die laer dosisse kan vir instandhouding gebruik word terwyl die hoër dosisse die gewas in staat sal stel om erge stresperiodes te oorkom.
- KynoKelp moet verkieslik vroegoggend of laatmiddag toegedien word.
- Dit is raadsaam om eers 'n mengbaarheidstoets te doen voordat KynoKelp met ander kunsmisstowwe gemeng word.
- Maak asseblief seker dat u nie die maksimum toedieningshoeveelhede per hektaar oorskry nie. Moet nie 'n konsentrasie van 2% (2L/100L) oorskry as dit saam met ander kunsmis in 'n spuitkenk gemeng word nie.

Blaartoediening:

- Dien 'n minimum konsentrasie van 0.2% (2L/1'000L water) toe, maar moenie 'n toedieningshoeveelheid van 2% (2L/100L) oorskry nie. Wanneer laevolume spuite gebruik word, verhoog die konsentrasie dienooreenkomstig sodat 'n minimum van 2L KynoKelp per hektaar gebruik word.

Sproeibemesting "Fertigation":

- Dien toe teen 'n konsentrasie van 0.1% (1L in 1'000L water). Herhaal elke 7 - 14 dae vir ten minste 4 toedienings.

Cewas	Toedieningshoeveelheid	Toediening
Peulgewasse		
Sojabone	4L/ha	Dien op die derde, drieblaarstadium toe.
	2L/ha	Dien 14 dae later toe.
Groenbone, Droëbone, Lensies, Lupiene, Klawer, Lusern, Grondbone	2L/ha	Dien toe by die derde, driebladige blaar. Herhaal toediening twee keer met 14 dae intervalle.
Solanatiese Vrugte		
Aartappels	200ml/100L water	Spuite aartappelmoere in plantvoor met planter.
	4 L/ha	Dien 'n tweede toediening 21 tot 28 dae na ontkieming toe.
	2 L/ha	Dien weer 10 tot 14 dae later toe, maar vermy toediening tydens blomstadium.
Tamaties, soetrisissies, paprika, brandrissie	1L/100L water	Doop die wortels van die saailing in die oplossing voor uitplant of alternatiewelik deurdrenk die oorplantings net voor of na uitplant.
	2L/ha	Dien 14 dae na oorplanting toe en herhaal die toediening twee keer met 14 dae tussenposes.
Wingerdstok		
Wyn en Tafeldruiwe	3L/ha	Dien toe in 1000L water na blom en herhaal 2 tot 3 keer met 10 tot 14 dae intervalle.

Voordele (Hoekom):

- Kynokelp bevorder wortelontwikkeling in plante. Die verbeterde wortelontwikkeling verhoog die voedingsopname en waterverbruik. Sterker plante word gevestig wat hoer opbrengste lewer.
- Tydens vrugvorming is die plante onder hewige stress en Kynokelp kan help om die toestand te beheer.
- Kynokelp help die plante om ander stressoestande wat die groei kan beperk te beheer.

Gebruike (Waar):

- KynoKelp word maklik deur die plant opgeneem en is geformuleer vir gebruik as beide 'n blaarvoeding en as 'n grondtoediening.
- Dien toe ten tye wanneer addisionele wortelgroei benodig word, bv tydens ontkieming of wanneer saailing uitgeplant word.
- Gebruik wanneer ongunstige omgewing toestande die wortelgroei beperk.
- Kan ook gebruik word om die wortelstelsel te onderhou.
- Kynokelp kan tydens knopvorming, vrugset, vinnige vrugontwikkeling toegedien word.
- KynoKelp kan ook gebruik word wanneer die plante onder hoë stress toestande verkeer.
- Stressoestande kan hoë sout vlakke of lae temperatuur insluit.