



FLUME

Reg. No.: B4263 Act /Wet No. 36 of/van 1947

A concentrated foliar and root-applied powdered organic seaweed extract with chelated micronutrients for use on various crops

'n Gekonsentreerde blaar- en wortel toegediende organiese seewier ekstrak met chelaad mikrovoedingstowwe vir gebruik op verskeid gewasse.

| | | |
|------------------------|---|--------------------|
| FERTILIZER GROUP CODE: | 2 | MISSTOF GROEPKODE: |
|------------------------|---|--------------------|

GUARANTEED MINIMUM ANALYSIS:

| | | |
|----------------------|---------------|---------------------|
| †Organic carbon..... | 450 g/kg..... | †Organiese koolstof |
| Alginic acid..... | 8 g/kg..... | Alginiaatsuur |
| Nitrogen (N) | 13 g/kg..... | Stikstof (N) |
| Potassium (K) | 62 g/kg..... | Kalium (K) |
| Magnesium (Mg)..... | 2,7 g/kg..... | Magnesium (Mg) |
| Sulphur (S) | 10 g/kg..... | Swael (S) |

†Derived from brown seaweed

†Onttrek van bruin seewier

*note that **FLUME** is a natural product and the composition may vary between batches depending on the time of harvest.

*nota dat **FLUME** 'n natuurlike produk is en die samestelling mag tussen die verskillende bondels verskil afhangende van die tyd van oes.

Manufacture date:
Vervaardigingsdatum:

Batch No.:
Lotnommer:

CONTENTS/INHOUD

KG

Registration holder / Registrasiehouer:
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FLUME is a non-toxic, concentrated seaweed extract formulated with chelated micronutrients that aid in maintaining optimum plant health. The well known growth promoting properties of the seaweed extract ensure vigorous root growth and enhanced production of chlorophyll.

FLUME is recommended for use during periods of active vegetative growth and when fruit, seeds and storage organs are developing.

FLUME is especially useful when plants are recovering from periods of physiological stress.

FLUME readily goes into solution and is rapidly absorbed by leaves and roots. The product can be applied either as a full cover foliar spray or root drench (see Directions for Use)

For optimum uptake, **FLUME** should preferably be applied during the early morning and late afternoon when the plants are not subject to moisture or heat stress. Do not apply the product when conditions are likely to cause the spray droplets to dry out too rapidly such as when relative humidity is low or in windy conditions.

FLUME contains Alginates that function as humectants. These compounds retain moisture and thereby ensure a prolonged uptake of the nutrients and growth substance present.

FLUME also contains the complex sugar mannitol which can act as a natural chelating agent that enhances the uptake of nutrients.

Where a range of dosage rates are recommended, use the lower rate of **FLUME** when plants are in the early stages of growth and the higher rate when the foliage is more dense. The higher rates can also be used after plants have been subjected to some form of physiological stress to encourage recovery and the resumption of normal growth.

FLUME easily dissolves in water and is compatible with most pesticides and nutrients. If in doubt consult with your **FLUME** supplier or carry out a simple miscibility test before preparing the spray mixture.

As a general rule **FLUME** should be applied with an approved wetting/ spreading agent to ensure that the spray droplets do not simply wash off the leaf surface.

FLUME can be applied as follows:

- At 7-14 day intervals
- After plants have been subjected to physiological stress.
- During germination, transplanting, bud formation, fruit set, and periods of rapid fruit and storage organ development.

Directions for use:

| CROP | DOSAGE RATE | APPLICATION DETAILS |
|----------------|--------------------|---|
| Seedlings | 500g/ 100ℓ water | Drench the seedling tray directly after planting and repeat once seedlings have emerged. |
| Transplants | 500g/ 100ℓ water | Dip the seedling roots in the solution at transplanting and drench the transplants at 7-14 day intervals to reduce mortality and promote root development. |
| Seed treatment | 500g/ 100ℓ water | Mix thoroughly with the seed and ensure uniform coverage. Will stimulate germination and root initiation. |
| Vegetables | 0,5 – 1.0 kg/ha | Apply as a full cover spray during the first 4-6 weeks of growth (vegetative phase). Apply at 7-14 day intervals. Use an approved wetter to ensure good coverage. |

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|---|---|---|
| Potatoes | 250 g/ 100ℓ water 2kg /ha 1 kg/ha | Soak the seed potatoes in the solution before planting. Compatible with other approved growth stimulants and pesticides. Apply at 80% emergence when tuber initiation has commenced. Repeat application. Spray at 7-14 day intervals but avoid spraying at flowering. |
| Ornamentals | 1 kg/ha | Apply as a full cover spray at 7-14 day intervals throughout the growing season. |
| Field Crops | 0,5 – 1kg/ha | Apply as a full cover spray at 7-14 day intervals commencing when the plants have sufficient leaf surface to absorb the solution. |
| Fruit trees (pome and stone fruit) | 100g/100ℓ water | Apply at: 1. Spring growth & early flowering 2. Petal fall 3. With each calcium spray Apply in minimum of 1000ℓ water per ha. |
| Grapes (wine and table) | 100g/ 100ℓ water (minimum of 1,5 – 2,0 kg/ha) | Apply at: 1. Separated flower buds 2. At petal drop before trusses become lignified. 3. With each calcium spray |
| Strawberries, tomatoes, peppers, cucurbits | 1,5 – 2,0 kg/ha | Time sprays to coincide with flowering flushes, and immediately after petal drop. |
| Sub-tropical fruits (e.g mangoes, litchi etc) | 1,5 – 2,0kg/ha | Apply at early flowering and at petal. Can be combined with calcium sprays. |
| Small grains | 1,0 kg/ha | Apply at 1-2 node stage of growth. |
| Fertigation – drip and micro-irrigation | 1,5 – 2,0 kg/ha | Prepare a concentrate by diluting in 10-20ℓ water and inject concentrate into the irrigation water. Not suitable for flood irrigation. Repeat as necessary but needs 2-3 applications for full benefits. |

FLUME is 'n nie-toksiese, konsentraat seewier ekstrak wat geformuleer is met chelaad mikro voedingstowwe wat behulpsaam is in die onderhoud van die optimale plantgesondheid. Die welbekende groei bevorderingseienskappe van die seewierekstrak wat die lewenskragtige wortelgroei en chlorofil produksie ondersteun.

FLUME word aanbeveel vir gebruik tydens aktiewe vegetatiewe groei en wanneer vrugte, saad en opbergingsorgane ontwikkel.

FLUME word spesifiek gebruik wanneer plante herstel van periodes van fisiologiese stres.

FLUME word gereedlik deur blare en wortels opgeneem en kan toegedien word as 'n vol bedekking blaarspuit of worteldeurweking (sien Gebruiksaanwysings).

Vir optimale opname, behoort **FLUME** verkieslik toegedien te word gedurende die vroeë oggend en laat middag wanneer die plante nie onderhewig is aan vog of hitte stres nie. Moenie die produk toedien tydens toestande wanneer die spuitdruppel geneig is om te vinnig droog te word soos in die geval van relatiewe lae humiditeit of winderige toestande.

FLUME bevat Alginaatsuur wat as humektante funksioneer. Hierdie samestellings behou vog en verseker daardeur 'n verlengde opname van die voedingstowwe en groeistowwe teenwoordig.

Leili Algo 600 bevat ook die die komplekse mannasuiker wat kan optree as 'n natuurlike chelaad agent om die opname van voedingstowwe te verhoog.

Waar 'n reeks van dosisse aanbeveel word, gebruik die laer dosis van **FLUME** wanneer plante in die vroeë groeistadium is en die hoër dosis wanneer die loof digter is. Die hoër dosis kan ook gebruik word nadat die plante onderhewig was aan enige vorm van fisiologiese stres om herstel aan te moedig en die hervatting van normale groei.

FLUME los maklik op in water en is verenigbaar met meeste plaagdoders en voedingstowwe. Indien onseker kan die **FLUME** verskaffer geraadpleeg word of voer 'n eenvoudige mengbaarheidstoets uit voordat die spuitmengsel voorberei word.

As 'n algemene reël behoort **FLUME** toegedien te word tesame met 'n goedgekeurde benatter/verspreidingsmiddel om te verseker dat die spuitdruppels nie so maklik van die blaaroppervlak afgewas word nie.

FLUME kan soos volg toegedien word:

- Met 7-14 dae intervalle
- Nadat plante onderhewig was aan fisiologiese stres.
- Gedurende ontkieming, oorplanting, bloeiselvorming, vrugvorming en periodes van vinnige vrug en opbergingsorgaan ontwikkeling.

GEBRUIKSAANWYSINGS:

| GEWAS | DOSIS | TOEDIENINGSBESONDERHEDE |
|---|--|---|
| Saailinge | 500g/ 100ℓ water | Week die saailingskinkbord direk na plant en herhaal nadat die saailinge opgekom het. |
| Oorplantings | 500g/ 100ℓ water | Doop die saailingwortels in die oplossing tydens oorplanting en doop die plantjies met 7-14 dae intervalle om afsterwing te verminder en wortelontwikkeling te bevorder. |
| Saadbehandelings | 500g/ 100ℓ water | Meng deeglik met die saad en verseker eenvormige bedekking. Sal ontkieming en wortelontwikkeling stimuleer. |
| Groente | 0,5 – 1.0 kg/ha | Dien toe as 'n volbedekking spuit gedurende die eerste 4-6 weke van groei (vegetatiewe fase). Dien toe met 7-14 dae intervalle. Gebruik goedgekeurde benatter om goeie bedekking te verseker. |
| Aartappels | 250 g/ 100ℓ water 2kg /ha 1 kg/ha | Week die saadaartappels in die oplossing voor plant. Verenigbaar met ander goedgekeurde groeistimulante en plaagdoders. Dien toe teen 80% opkoms wanneer knolvorming begin. Herhaal toediening. Spuit met 7-14 dae intervalle maar vermy bespuiting tydens blomstadium. |
| Sierplante | 1 kg/ha | Dien toe as 'n volbedekking met 7-14 dae intervalle regdeur die groeiseisoen. |
| Veldgewasse | 0,5 – 1kg/ha | Dien toe as 'n volbedekking spuit met 7-14 dae intervalle wat begin wanneer die plante genoeg blaaroppervlakte het om die oplossing op te neem. |
| Vrugtebome (appels en sagte vrugte) | 100g/100ℓ water | Dien toe tydens: 1. Lentegroei en vroeë blom 2. Kroonblaarval 3. Tydens elke kalsium spuit. Dien 'n minimum van 1000ℓ water per ha toe. |
| Druwe (wyn en tafel) | 100g/ 100ℓ water (minimum of 1,5 – 2,0 kg/ha) | Dien toe tydens: 1. Blombloei- en verdeling 2. By kroonblaarval voordat trosse verhout. 3. Tydens elke kalsium spuit. |
| Aarbeie, tamaties, rissies, pampoengewasse | 1,5 – 2,0 kg/ha | Skeduleer bespuitings om ooreen te stem met blombloei- en verdeling, en onmiddellik na kroonblaarval. |
| Sub-tropiese vrugte (bv. mangos, litsjies.) | 1,5 – 2,0kg/ha | Dien toe tydens vroeë blom en tydens kroonblaar. Kan gekombineer word met kalsiumbespuitings. |
| Kleingraan | 1,0 kg/ha | Dien toe teen 1-2 node groeistadium. |
| Bemesting – drup and mikro-besproeiing | 1,5 – 2,0 kg/ha | Berei 'n konsentraat voor deur dit te Verdun met 10-20ℓ water en spuit die konsentraat in die besproeiingswater. Nie geskik vir vloedbesproeiing nie. Herhaal indien nodig maar dit benodig 2-3 toedienings om die volle voordeel te verkry. |