



SICOMER-55 LA

Very concentrated Liquid seaweed concentrate plus added Amino Acids

Origin : E.U.

10/2017

1. PRODUCT DESCRIPTION

SICOMER-55 LA is a very concentrated natural plant growth stimulant obtained by alkaline hydrolysis of *Ascophyllum nodosum* from the Atlantic Ocean, plus added amino acids.

SICOMER-55 LA contains seaweed concentrate produced from a cool extraction process utilising only *Ascophyllum nodosum* from the Atlantic coastline of the British Isles.

This extraction method ensures that the natural bio-stimulant growth enhancing compounds remain intact and are not denatured by heat.

SICOMER-55 LA typically contains natural auxins, cytokinin and gibberellins along with alginic acid, mannitol and laminarin. Typically there will be low levels of NPK, Calcium, Magnesium and Sulphur, along with trace elements Manganese, Zinc, Iron, Boron, Copper and Iodine.

SICOMER-55 LA is a very concentrated product and it has been 'formulated', which is to say that surfactants, humectants, various humic/fulvic acids are added, etc. It's not cheap, but then it does a very good job. MOQ on this would be a pallet – so effectively 1008 litres.

2. PRODUCT SPECIFICATIONS

* General features

Appearance	brown/black liquid
Odour	marine-like
pH	7.9
Total solids	31.5 – 32.5 % w/w
Organic matter	20.5 – 21.5 % w/w
Solubility	> 99 % soluble in water at 10° C
Free Amino Acids	7.4 – 8 %

* Typical analysis

Macronutrients/Micronutrients

Nitrogen	N	1.4 – 1.8 % w/w			
Potassium	K ₂ O	4.0 – 4.4 % w/w			
Heavy Metals Analysis (mg/kg)					
Cr	Ni	As	Cd	Hg	Pb
0.55	0.58	3	0.52	0.02	0.03

SICOMER-55 LA is largely a natural product; therefore the properties may vary between batches and seasons.

3. USAGE

SICOMER-55 LA can be used on all crops and has no statutory Harvest Interval or maximum dosage limit.

0.4 to 0.5 litres per hectare is the recommended dose rate for crops from seedling to young plant stage.

0.75 to 1.0 litres per hectare is recommended from the end of vegetative growth through to post-flowering.

A programme of applications on 10 to 14 day intervals will get the maximum benefit from **SICOMER-55 LA** on edible and flower crops.

* Advantages & Benefits

- Earlier establishment
- Increased early rooting
- Increase in photosynthetic area
- Increased leaf and shoot growth
- Increase in plant carbohydrate production



**PRODUCT INFO
& DATASHEET**

*** General information**

SICOMER-55 LA can be used to great advantage on the following crops:

Fruit trees, soft fruit :

Avocado, citrus, apples and pears, stone fruit (peaches etc), bananas, berries (strawberries etc), kiwi, melons (watermelons, cantaloupe, etc) .

Vegetables :

Asparagus, aubergine (egg plant), baby corn, beans (French, navy, lima, etc.), broccoli, Brussels sprouts, cabbage and other brassicas, carrots, celery, cucumber and other cucurbits, garlic, lettuce, okra, onions, peas, peppers, potatoes, sweet corn, tomatoes.

Field Crops :

Alfalfa, barley, beans, cotton, maize, oats, oil seed rape, peas, peanuts, rice, soybeans, sugar beets, sun flowers and wheat. Please refer to your distributor for information on other crops.

*** Application rates**

The following are only suggested rates for application to the crops described below. In practise growers will become familiar with this product and may want to change the rates to suit there own husbandry techniques. Always spray to run-off in sufficient water to ensure good coverage. 200-400 litres water per hectare for most crops and 2000 - 4000 litres of water per hectare for top fruit. Spray nozzle tips vary and as water is only the vehicle selected to enable an even coverage, local practise will vary considerably. Always ensure that your spray nozzle tips are clean and tested for accuracy regularly.

Fruit trees, soft fruit :

1-1.5 litres per hectare per application and some 4-5 applications can be made.

Fruit :	1st Appln.	2nd Appln.	3rd Appln.	4th Appln.
Apples & pears	pink bud	full bloom	early fruiting	21 days later
Citrus, avocado	3/4 days pre-bloom	petal fall	after 14 days	6 weeks before harvest
Grapes, kiwi, litchi	10-25 cm of new growth	early bloom	berry set	14-21 days later
Stone fruit	pink bud	full bloom	early fruiting	21 days later
Strawberries	at transplant* or early spring growth	at first sign of bloom	7-10 days later	every 21 days to mid harvest

* Transplant dip: mix 8-10mls with 10 litres water and dip roots

Bananas, Oil palm, rubber:

2.0 litres per hectare in sufficient water for adequate coverage

1st year	transplant dip, 8ml per 10 litre water	1 month after planting.	2 month after planting	3 & 4 months after planting
2nd and subsequent years	mid-late February	early-mid April	early October	

Vegetables :

0.75 – 1.0 litre per hectare	1st Appln.	2nd Appln.	3rd Appln.	4th Appln.
General rule	0.75l/ha when there is enough foliage for spraying	0.75L/ha at first signs of flowering	0.75L/ha 14-21 days later	0.75L/ha 14-21 days later
Peas, beans,	at 4-5 leaf stage	at 1st signs of flowering	at early pod initiation	
Baby corn, sweet corn	at 4-6 leaf stage	just prior to tasselling		
Cucumbers, squash, melons, egg plant, peppers	transplant dip of 8-10mls per 10 litre water	at 4-5 true leaf stage	just prior to 1st bloom	10-14 days later, and at 14 day intervals
Potatoes, sweet potatoes	a solution of 10mls per 10L as tuber dip at planting	at 3-5 leaf stage	at tubers 15-20mm in diameter	at early bloom
Tomatoes	at 15-20 cm growth	just prior to 1st bloom	repeat at 14 day intervals	

Flowers, Ornamentals and grass:

0.5-1.0 L per hectare				
Carnations, Chrysanthemums	transplant root dip of 10mls per 10L water	10 days after transplanting	repeat 10-14 days later	repeat if necessary up to blooming
Roses	transplant root dip of 10mls per 10L water	10-14 days after transplanting	repeat 10-14 days later	repeat as soon as possible after 1st cutting

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.



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Ornamentals	transplant root dip of 10mls per 10L water	10-14 days after transplanting	repeat at 2-3 week intervals	
Turf grass	apply at 1st signs of growth in spring	repeat at 21-28 day intervals	apply in autumn to improve frost hardness.	

Field Crops:

0.75-1.5 litres per hectare

Alfalfa	1.0L per hectare at 4-5 leaf stage	1.0L per hectare after 1st cut	1.0L per hectare after each cut
Cereals	0.75-1.0L per hectare at Growth Stage 21 in autumn	0.75L per hectare at Growth Stage 30	optional: 0.75l/ha at Growth Stage 51-71
Cotton	1.5L per hectare at early squaring	1.5L per hectare at first signs of flowering	1.5L per hectare 14 days later
Maize	1.0L per hectare at 4-5th leaf stage	1.0L per ha just prior to tasselling	
Oilseed rape	2L per ha at 5 leaf stage (Growth Stage 1.5)	2.5L per hectare at green bud stage (Growth Stage 3.1)	
Peanuts	2L per hectare at 4-6 leaf stage	2L per hectare at pegging	
Rice	2L per hectare at 4-6 leaf stage	2L per hectare at flag leaf emergence	
Soybeans	2-2.5L per hectare at 4-5 leaf stage	2-2.5L per hectare at first sign of flowering	
Sugar beets	2-2.5L per hectare at 4-6 true leaf stage	2-2.5L per hectare 14-21 days later	

Field Transplants or addition to starter fertilizer:

Field transplants should be dipped in a solution containing **SICOMER-55 LA** plus a high phosphate fertilizer such as SICOGREEN w.s. NPK 7-35-25. Use **SICOMER-55 LA** at a rate of 1 litre per 100 litres water. For addition to starter fertilizers use at an inclusion rate of 1 litre per 100 litres.

Tank Mixing Compatibility:

SICOMER-55 LA should be compatible with all organic pesticides, although if an uncertainty exists carry out a jar compatibility test. Always add **SICOMER-55 LA** to half filled spray tank, keep agitated and add other spray tank ingredients. If a pH problem exists with acidic mixes then the use of a recognised buffering agent is recommended.

4. STORAGE AND HANDLING

This product contains a preservative to prevent fermentation and decomposition, and should be kept out of direct sunlight and away from heat and frost. Be careful of spillage as may cause a hazard.

KEEP OUT OF THE REACH OF CHILDREN

All goods supplied by us are of high grade and we believe them to be suitable for the purposes described, but as we can not exercise control over their storage, handling, mixing or use, or over weather conditions before, during or after application which may affect the performance. All conditions and warranties statutory or otherwise, as to quality or fitness for any purpose are excluded and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions can not be varied by our staff or agents whether or not they assist in the use of such goods.

5. PACKING

1 litre, 5 litre, 10 litre, 20 litre, 200 litre, 1000 litre