PRODUCT INFO & DATASHEET

SICOSTIMUL®
HUMIC AND FULVIC ACIDS
(Organic liquid)

02/2014

1/ INTRODUCTION

Sicostimul® is a complex humified acid (humic and fulvic).
Sicostimul® is the result of research and experiments confirmed by users.
Sicostimul® is exclusively produced from vegetable origin products.
In order to obtain stable humified substances (humic and fulvic acids) these above vegetable origin products undergo a certain number of necessary transformations.

2/ EFFECT ON PLANT AND SOIL

The application of **Sicostimul**® on the plant shows the following results :
- Root breathing in an oxido-reducer surrounding is facilitated and root volume is larger.
- Production of the dry substance is increased and improved.
- Stimulates growing (direct absorption of the fulvic acids).
- NPK macro elements are better assimilated as **Sicostimul**® helps the formation of the clay-humic complex especially in cases of thermic and hydric stress.
- Deblocks & releases elements in high pH soils.

3/ PRODUCT SPECIFICATIONS (w/w)

Total humic extracts	16.1 %
Humic acids	12.1 %
Fulvic acids	4.1 %
Total K2O	4.3 %
Water soluble K2O	4.3 %
pH	13.1
Density	1.10

Heavy metals analysis (Analysis method PCP-AES)

Copper (**Cu**)	< 2 ppm
Zinc (**Zn**)	< 6 ppm
Lead (**Pb**)	< 2 ppm
Nickel (**Ni**)	< 2 ppm
Cadmium (**Cd**)	< 0.5 ppm
Chromium (**Cr**)	< 2 ppm
Mercury (**Hg**)	< 0.1 ppm

4/ GENERAL CHARACTERISTICS OF HUMIC AND FULVIC ACIDS

HUMIC ACIDS	FULVIC ACIDS
Active mineral assimilation.	Improve cellular permeability.
Increase micro-organisms in the soil.	Chelate the trace elements.
Increase phosphate availability (solubilisation)	Increase of roots formation.

The combination of iron and fulvic acids helps the chlorophybian function which improves the photosynthesis.

5/ APPLICATION / RECOMMENDATIONS

Sicostimul® is used in/for:
1) foliar applications
2) spraying
3) drip by drip
4) dressing in the soil
5) dressing out of the soil

1) FOLIAR APPLICATIONS
Sicostimul® can be used between 0.3 % and 2 % depending on the crop :
- Orchards = 0.3 %
- big crops = 0.3 %
- market gardening crops (horticulture) = 2 %
- Vineyards = 0.5 %

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- number of applications : 3
- treat in the morning or in the evening.

Compatibility : if possible, use **Sicostimul**® alone, or make prior tests.

Market Gardening Crops (Horticulture)
For all crops : dosage between 75 to 100 L/ha.

Cultures / Crops	Application period	Dosage Ha weekly	Number of weeks
Mellons	15 days after plantation + then during 6 weeks	15 L/ha 10 L/ha	2 6
Cucumber Marrow Eggplant Sweet pepper Tomato	15 days after plantation + then during 16 weeks	10 L/ha 5 L/ha	2 16
Strawberry plants * strawberry season : - before plantation, spray 40 L/ha on the soil before accumulating earth around the plant. - 1 month after plantation - spring : beginning of vegetation, then … * perpetual strawberries : - before plantation, spray 40 L/ha on the soil before accumulating earth around the plant. - 3 weeks after plantation until end of harvest		 5 L/ha 5 L/ha - 10 L/ha 5 L/ha	 4

2) SPRAYING
Lettuces
3 times each of 25 L/ha after pricking of the crop.
First time on the second watering then twice with 15 days interval.

3) DRIP BY DRIP
Rosetrees
One cutting only : after pruning 40 L/ha once , then 10 L/ha/month during 7 months
Many cuttings : in March 40 L/ha once , then 10 L/ha/each month

Orcharding : Dose/L/ha/month

Crops	J F M A M J J A S O N D	Total per year
Apples, pears late varieties	15 15 15 10 5 5	50 L
Nectarines & early peaches	15 15 10 5 5	50 L
Late peaches	15 15 10 5 5	50 L
Apricot trees	15 15 10 5 5	50 L
Ente plum trees	20 15 15	50 L
Plum-trees	20 15 15	50 L
Kiwis	20 20 10 10	60 L

Note : distribute monthly dosage preferably weekly in equal quantities.

4) DRESSING IN THE SOIL
This product can be brought into the soil either by spraying or locally with a plough.

5) DRESSING OUT OF THE SOIL
Dosage : 2 L in 1000 L of mother solution injected at 5 ‰, pH of mother solution must not be lower than 4.5

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