

C-LIFT™ Broad Spectrum Bio-Stimulant

Different dosages of C-Lift against a standard Kelp product in table grapes

Objective: Determine the biological equivalence of C-Lift to a standard Kelp product for its effect on yield in table grapes

Who: Commercial farm, South Africa
Where: Commercial farm in Riebbeek West, South Africa
Study Design: Controlled field study, randomized block design (5 x 4 x 21 m²), 17 year old trees
Variety: Vitis vinifera, Thompson Seedless
When: Oct. 2014 – Dec. 2014

Treatments:

No.	Treatment	03.10.2014 (750l/ha)	24.10.2014 (1.000l/ha)	17.11.2014 (1.000l/ha)	06.12.2014 (1.400l/ha)	28.12.2014 (1.400l/ha)
1	Untreated control					
2	Kelp	(1:500) 1,5l/ha	(1:500) 2l/ha	(1:500) 2l/ha	(1:500) 2,8l/ha	(1:500) 2,8l/ha
3	C-Lift	(1:1.000) 1.5l/ha	(1:1.000) 1.5l/ha	(1:1.000) 1.5l/ha	(1:1.000) 2l/ha	(1:1.000) 2l/ha
4	C-Lift	(1:500) 3l/ha	(1:500) 3l/ha	(1:500) 3l/ha	(1:500) 4l/ha	(1:500) 4.5l/ha
5	C-Lift	(1:250) 5l/ha	(1:250) 5l/ha	(1:250) 5l/ha	(1:250) 6,6l/ha	(1:250) 6,6l/ha



Results:

No.	Treatment	Berry diameter (mm)	% to control	Berry Length (mm)	% to control	Sugar (BRIX)	% to control	Yield (g)	% to control
1	Untreated control	18,9		29,56		12,42		319,5	
2	Kelp	17,81	94,2%	28,84	97,6%	13,43	108,1%	377	118,0%
3	C-Lift	18,36	97,1%	29,94	101,3%	18,25	146,9%	371	116,1%
4	C-Lift	17,86	94,5%	29,88	101,1%	16,92	136,2%	439	137,4%
5	C-Lift	17,47	92,4%	29,78	100,7%	19,87	160,0%	264	82,6%

Conclusion:

The C-Lift treatment 3 gave the same yield as the standard Kelp product whereas the treatment 4 gave almost 20% more.

Interestingly, treatment 5 gave a lower total yield but produced 60% higher BRIX values compared to the untreated control.

