

CROP : LETTUCE - *MANTO*

Trial carried out in France in 2004

SITE DETAILS

TRIAL N° :	D/F/OIG/03/07	Crop information
10800 VILLY LE MARECHAL North East of France		Variety : Manto (red coloured lettuce) Planting date : 25/05/04 Density of planting : 35 cm between plants Cultivation method : Open field Irrigation : over head irrigation

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	5 cc/l	25/05/04	4 to 6 leaves	-	Root soaking till complete moisture of the mini peat clods
Application N°2	AMINOFIT.Xtra	2,5 l/ha	07/06/04	8 to 10 leaves	250 l/ha	9h00, T° = 23°C, H% = 82%, Cloud cover = 0%
Application N°3	AMINOFIT.Xtra	2,5 l/ha	21/06/04	11 days pre harvest	250 l/ha	13h00, T° = 22°C, H% = 86%, Cloud cover = 90%

MATERIALS AND METHODS

Plot size : 12 plants per plot

Trial design : 3 repetitions

Application method : Root soaking and/or foliar spray.

Equipment used : Hand sprayer equipped with a boom.

For soaking the roots, the trays full of plants grown in mini peat clods were soaked in a vat filled with a solution of water plus AMINOFIT.Xtra till complete moistening of the clods.

Assessments : Throughout the season : record any visual effect on the plants

At harvest : weight of 6 lettuces.

DISCUSSION, CONCLUSION

Climatic conditions were stressful during the progress of the trial with important variations of temperature between day and night.

Once can conclude that :

- One application of AMINOFIT.Xtra to the clods pre transplant followed by 2 foliar applications increase the weight of the lettuces at harvest : + 3,4 %,
- Two foliar applications during the crop development increase the weight of the lettuces at harvest : + 2,3 %,
- The pre transplant application by soaking the clods must be completed by foliar applications during the season.

RESULTS

Date of assessment	02/07/04		
Crop stage	Maturity		
Type of record	Weight of 6 lettuces in g		Average weight per lettuce in g
		% control	
AMINOFIT.Xtra root soaking + 2 foliar sprays	2361 (a)	+ 3.4	393
AMINOFIT.Xtra 2 foliar sprays	2337 (a)	+ 2.3	389
AMINOFIT.Xtra root soaking	2323 (a)	+ 1.7	387
UNTREATED CONTROL	2284 (a)	-	381

GRAPH

Average weight per lettuce (in g)

