

CROP : POTATO – *ATLAS (SEED PRODUCTION)*

Trial carried out in France in 2005

SITE DETAILS

Trial location	Crop information
29224 HANVEC North West of France	Variety : Atlas Planting date : 31/03/2005 Chemical defoliation: 10/07/2005 Density of plantation : 63800 plants/ha Irrigation : No irrigation Fertilizers : 81 units N + 207 units P ₂ O ₅ + 270 units K ₂ O + 450 kg/ha 18-46 pre planting

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N° 1	AMINOFIT.Xtra	5 l/ha	02/06/05	Early tuber formation	200 l/ha	Applied alone
Application N° 2	AMINOFIT.Xtra	5 l/ha	10/06/05	First application + 8 days	200 l/ha	Applied alone

MATERIALS AND METHODS

Trial design : Randomised block, 4 replicates. Assessments carried out on one row and 3 metres long
Application method : Foliar spray
Equipment used : Sprayer equipped with a boom

DISCUSSION, CONCLUSION

A total of 45.2 tons/ha were harvested in the treated plots with 35.5 tons/ha of marketable tubers.
Two applications of AMINOFIT.Xtra lead to an increase of the yield : + 2.8 tons/ha in total tubers and + 1.7 ton/ha in marketable tubers.
The average number of tubers per plant is similar between treated and untreated plots: 10.5 tubers in control plots and 10.7 in plots treated with AMINOFIT.Xtra).

RESULTS

Yield in kg/ha

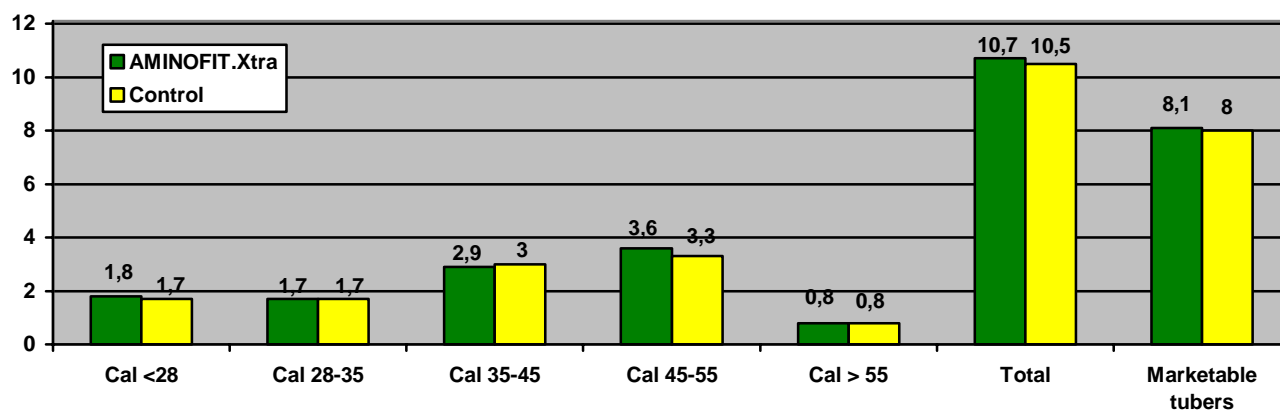
Type of record	Tubers calibre < 28 mm	Tubers calibre > 28 < 35 mm	Tubers calibre > 35 < 45 mm	Tubers calibre > 45 < 55 mm	Tubers calibre > 55 mm	Total all calibres	Yield of marketable tubers
AMINOFIT.Xtra	943	2594	9917	24688	9847	47989 (a)	37198 (a)
CONTROL	756	2635	10263	22607	8946	45208 (a)	35506 (a)
Gain / control (in g)	+ 187	- 41	- 346	+ 2081	+ 901	+2781	+ 1692

Remark : Marketable tubers are from calibre > 28 mm to < 55 mm.

Number of tubers per plant

Type of record	Number of tubers calibre < 28 mm	Number of tubers calibre > 28 < 35	Number of tubers calibre > 35 < 45	Number of tubers calibre > 45 < 55	Number of tubers calibre > 55	Total number of tubers all calibres	Number of marketable tubers
AMINOFIT.Xtra	1.8	1.7	2.9	3.6	0.8	10.7 (a)	8.1 (a)
CONTROL	1.7	1.7	3.0	3.3	0.8	10.5 (a)	8.0 (a)
Gain / control	+ 0.1	0.0	- 0.1	+ 0.3	0.0	+ 0.2	+ 0.1

Number of tubers per plant



Total yield and marketable yield (T/ha)

