

CROP : POTATO – *ATLAS (SEED PRODUCTION)*

Trial carried out in France in 2004

SITE DETAILS

Trial location	Crop information
29440 PLOUGAR North West of France	Variety : Atlas Planting date : 11/05/04 Density of plantation : inter row spacing = 75 cm row spacing = 25 cm Soil type : Sandy loam Irrigation : none

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N° 1	AMINOFIT.Xtra	5 l/ha	08/06/04	Early tuber formation (tuber size of a grain of wheat)	200 l/ha	Applied alone
Application N° 2	AMINOFIT.Xtra	5 l/ha	15/06/04	7 days after first application	200 l/ha	Applied alone

MATERIALS AND METHODS

Plot size : 1 ha
Trial design : 4 samplings per treatment on one row and 3 metres long
Application method : Foliar spray
Equipment used : Farmers tractor mounted sprayer equipped with a boom
Fertilisation : 600 kg/ha 7-10-24

DISCUSSION, CONCLUSION

The target of the seed production is to grow as many tubers as possible with a calibre comprised between 28 mm and 55 mm.

AMINOFIT.Xtra foliar sprayed twice at 7 days interval reached that target since a significant effect is recorded on the number of marketable tubers per plant : 5,3 in the treated plots against 4,7 in the control plots.

RESULTS

Weight of tubers per size measured on 53 plants

Type of record	Weight of tubers size < 28	Weight of tubers size > 28 < 35	Weight of tubers size > 35 < 45	Weight of tubers size > 45 < 55	Weight of tubers size > 55	Total weight of tubers	Total weight of marketable tubers
AMINOFIT.Xtra	491	1354	5359	17667	7695	32566	24380
CONTROL	340	1100	4320	16500	14900	37160	21920

Remark : The marketable tubers are from > 28 mm to < 55 mm.

Number of tubers per size counted on 53 plants

Type of record	Number of tubers size < 28	Number of tubers size > 28 < 35	Number of tubers size > 35 < 45	Number of tubers size > 45 < 55	Number of tubers size > 55	Total number of tubers	Total number of marketable tubers
AMINOFIT.Xtra	49	48	87	148	33	365	283
CONTROL	38	42	71	135	70	356	248

Number of tubers per plant

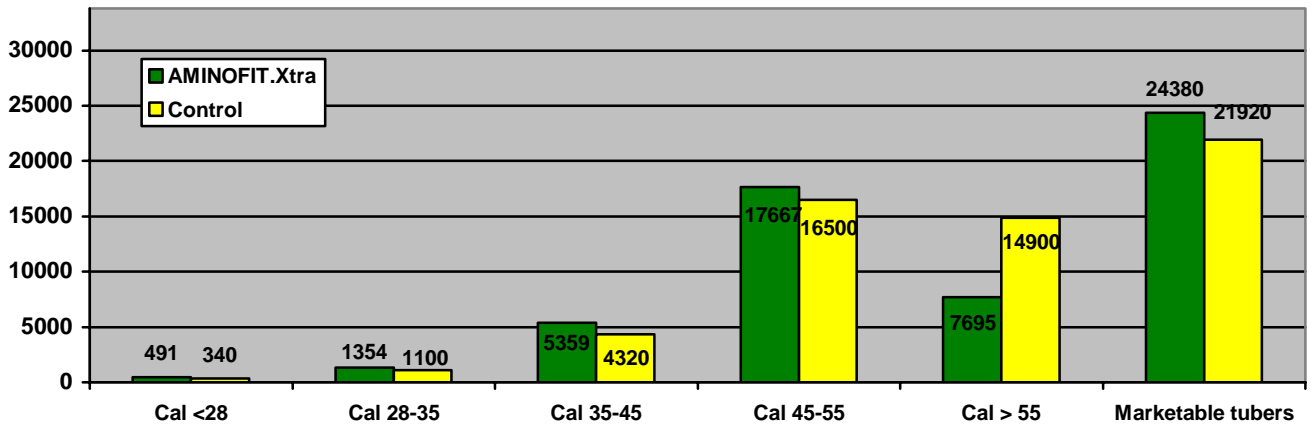
Type of record	Number of tubers size < 28	Number of tubers size > 28 < 35	Number of tubers size > 35 < 45	Number of tubers size > 45 < 55	Number of tubers size > 55	Total number of tubers	Total number marketable tubers
AMINOFIT.Xtra	0.92	0.91	1.64	2.79	0.62	6.88	5.34
CONTROL	0.72	0.79	1.34	2.55	1.32	6.72	4.68

Yield in tons per hectare

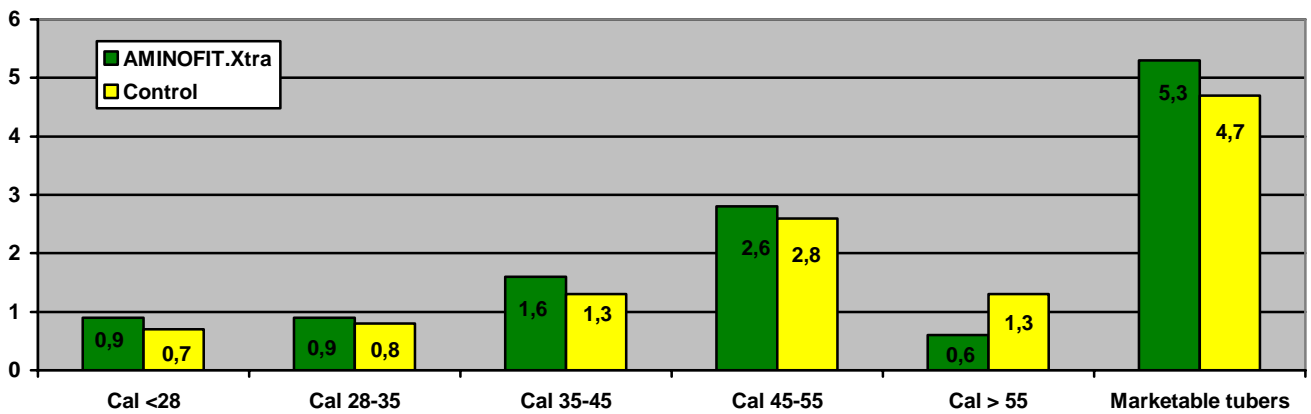
Type of record	Total yield in T/ha, all sizes	Yield of marketable tubers
AMINOFIT.Xtra	35.8	27.1
CONTROL	42.1	24.8

GRAPHS

Weight of tubers per calibre in kg



Number of tubers per plant



Yield of marketable tubers (T/ha)

