

CROP : PEAR – *LOUISE BONNE*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/POI/02/26	Crop information
04200 SISTERON South East region		Variety : Louise bonne Date of planting : 1991 Density of planting : 4,5 m between rows, 2,0 m on the row Height of the trees : 3 m Irrigation type : over head aspersion Over head hail protecting nets

APPLICATION DETAILS

	Product	Dose rate	Crop stage at application	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	2,5 l/ha	Early flowering	200 l/ha	Mixed with fungicides
Application N°2	AMINOFIT.Xtra	2,5 l/ha	End of flowering	200 l/ha	Mixed with fungicides
Application N°3	AMINOFIT.Xtra	5 l/ha	Fruit 0,5 to 1,5 cm diameter	200 l/ha	Mixed with fungicides
Application N°4	AMINOFIT.Xtra	5 l/ha	Early colouring	200 l/ha	Mixed with fungicides
Application N°5	AMINOFIT.Xtra	5 l/ha	3 weeks before harvest	200 l/ha	Applied alone

MATERIALS AND METHODS

Plot size : 0,5 hectare
Trial design : 4 replicates
Application method : Foliar spray
Equipment used : Tractor towed mist-blower
Assessments : At harvest : size and weight of fruits on 3 consecutive trees,
Brix level,
Firmness after storage.

COMMENTS CONCLUSION

The climate was good during the growing season, with no significant stressful period. It ended with a very good quality of the fruits. In the plots treated with AMINOFIT.Xtra, the average weight of the fruits is increased with 11 g. AMINOFIT.Xtra also allows to increase significantly the firmness : + 0,66 kg/cm² to the control.

RESULTS

Date of assessment	04/09/02 = 22 days after last application					
Crop stage	Maturity					
Type of record	% fruit of calibre 60	% fruit of calibre 65	% fruit of calibre 70	% fruit of calibre 75	Refractometer index (Brix)	Firmness (8 mm)
AMINOFIT.Xtra	28 (a)	45 (a)	23 (a)	4 (a)	14,0 (a)	6,74 (a)
UNTREATED CONTROL	38 (a)	45 (a)	15,5 (a)	1,5 (a)	13,8 (a)	6,08 (b)

Date of assessment	04/09/02 = 22 days after last application				
Crop stage	Maturity				
Type of record	Average weight of the fruits of calibre 60	Average weight of the fruits of calibre 65	Average weight of the fruits of calibre 70	Average weight of the fruits of calibre 75	Average weight of the fruits (all sizes)
AMINOFIT.Xtra	126	155	183	208	156
UNTREATED CONTROL	120	150	181	216	145

Remarks :

The calibre was measured on 50 pears per plot (25 fruits on both sides of the row).
Brix and firmness were measured on 20 pears per plot.

GRAPHS

