

CROP : APPLE - *IDARED*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/POM/02/32	Crop information
04200 SISTERON South East region		Variety : Idared Root stock : 106 Date of planting : 1989 Density of planting : 5 m between rows, 3 m on the row Height of the trees : 3,5 m Irrigation type : over head sprinklers Over head hail protecting nets

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	2,5 l/ha	16/06/02	Fruit set	666 l/ha	Mixed with fungicides + fertiliser
Application N°2	AMINOFIT.Xtra	2,5 l/ha	19/07/02	Mid fruit expansion	666 l/ha	Mixed with fungicides
Application N°3	AMINOFIT.Xtra	2,5 l/ha	15/08/02	33 days pre harvest	666 l/ha	Mixed with fungicides

MATERIALS AND METHODS

Plot size : 1 hectare

Trial design : 4 replicates

Application method : Foliar spray

Equipment used : Tractor towed mist-blower

Assessments : At harvest, size and weight of fruits were measured on 100 fruits sampled at random on 3 consecutive trees, Brix level was measured on 20 fruits per plot
Fruits were stored in a dark store at 6 to 10°C. The assessments were carried out on 20 fruits per plot.

COMMENTS CONCLUSION

The climate conditions were good for fruit maturation. The fruit number was equal in both the treated and the control plots. AMINOFIT.Xtra applied 3 times from fruit set till 33 days pre harvest did not show any significant effect on fruit size. Nevertheless, the average weight per fruit is slightly higher in the treated plots.
In plots treated with AMINOFIT.Xtra, the brix level is higher than in the control plots: + 0,8 points at harvest and + 0,2 points after 186 days storage.
AMINOFIT.Xtra increases the firmness of the fruits after 6 months storage : + 0,13 kg/cm²

RESULTS

Date of assessment	17/09/02 = 33 days after last application		
Crop stage	Maturity		
Type of record	% fruit of calibre <70	% fruit of calibre 70 to 80	% fruit of calibre > 80
AMINOFIT.Xtra	12 (a)	44 (a)	44 (a)
UNTREATED CONTROL	9 (a)	47 (a)	44 (a)

Date of assessment	17/09/02 = 33 days after last application		
Crop stage	Maturity		
Type of record	Average weight of the fruits calibre <70	Average weight of the fruits calibre 70 to 80	Average weight of the fruits calibre > 80
AMINOFIT.Xtra	87	144	223
UNTREATED CONTROL	83	141	219
% of the control	+ 4.8	+ 2.1	+ 1.8

Date of assessment	17/09/02 = 33 days after last application		22/03/03 = 186 days post harvest	
Crop stage	Maturity		186 days post harvest	
Type of record	Refractometer index	Firmness in kg/cm ²	Refractometer index	Firmness in kg/cm ²
AMINOFIT.Xtra	11.2 (a)	6.88 (a)	10.2	4.11
UNTREATED CONTROL	10.4 (b)	7.00 (a)	10.0	3.98

GRAPHS

