

CROP : APPLE - *GOLDEN*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/POM/02/25	Crop information
04200 SISTERON South East region		Variety : Golden Root stock : 106 Date of planting : 1989 Density of planting : 5 m between rows, 3 m on the row Irrigation type : Over head irrigation

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	2,5 l/ha	16/06/02	666 l/ha	Mixed with fungicides
Application N°2	AMINOFIT.Xtra	2,5 l/ha	19/07/02	666 l/ha	Mixed with fungicides
Application N°3	AMINOFIT.Xtra	5 l/ha	15/08/02	666 l/ha	Mixed with fungicides

MATERIALS AND METHODS

Plot size : 1 ha. The observations are carried out on 3 consecutive trees by sampling
Trial design : 4 bloks at random
Application method : Foliar spray
Equipment used : Tractor towed mist-blower
Assessments : At harvest : size and weight of fruits on 100 fruits sampled at random on 3 consecutive trees,
The calibre was measured with the help of a manual calibration slab,
Brix was measured on 20 fruits per plot with a manual refractometer
Firmness was measured on 20 fruits per plot with a penetrometer
After harvest, fruits were stored in a dark store at 6 to 10°C.

COMMENTS CONCLUSION

The weather throughout the season was favourable to a good maturation of the fruits.
At harvest, the sugar content and the density of the fruits are equivalent in both the treated and the control plots.
After a 124 days storage period, the fruits treated with AMINOFIT.Xtra have a higher sugar content and density than the untreated fruits.
Therefore, the apples evolved more favourably in the plots treated with AMINOFIT.Xtra.

RESULTS

Date of assessment	17/09/02 = 33 days after the last application		
Crop stage	Maturity		
Type of record	% fruit of calibre <70	% fruit of calibre 70 to 80	% fruit of calibre > 80
AMINOFIT.Xtra	1	57	42
UNTREATED CONTROL	1	53	46

Date of assessment	17/09/02 = 33 days after the last application	19/01/03	
Crop stage	Harvest – at maturity	124 days after harvest	
Type of record	Refractometer index	Firmness	Refractometer index
AMINOFIT.Xtra	13.90 (a)	7.43 (a)	13.0
UNTREATED CONTROL	14.05 (a)	7.39 (a)	12.2

GRAPHS

