

CROP : CIDER APPLE - *AVROLLES*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/POM/02/30	Crop information
10130 EAUX PUISEAUX North East region		Variety : Avrolles Date of planting : 1993 Density of planting : 5,5 m between rows, 2,5 m on the row Height of the trees : 3 m Irrigation type : no irrigation

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	5 l/ha	21/05/02	Fruits from 0,8 to 1,5 cm diametre	500 l/ha	Mixed with insecticides and fungicides
Application N°2	AMINOFIT.Xtra	5 l/ha	28/06/02	Early colour changing	500 l/ha	Applied alone
Application N°3	AMINOFIT.Xtra	5 l/ha	27/09/02	3 weeks before harvest	500 l/ha	Applied alone

MATERIALS AND METHODS

Plot size : 1 hectare
Trial design : 8 replicates
Application method : Foliar spray
Equipment used : Tractor towed mist-blower
Assessments : At harvest the number and weight of fruits were recorded in 1,5 x 0,3 m areas, 4 times per tree,
The brix level was measured on 40 apples per plot

COMMENTS CONCLUSION

AMINOFIT.Xtra was applied three times from end of fruit setting till 3 weeks pre harvest.
Stressful conditions were caused by a drought during September and early October. A wet period started by the end of October giving the fruits the chance to gain from 0,7 to 0,9 grams between the 2 harvest dates.
AMINOFIT.Xtra increases significantly the brix level, from 0,8 to 1 point compared to the control. The sugar content is very important for cider making.
The average weight of the fruits is higher in the plots treated with AMINOFIT.Xtra, from 1,9 to 2,1 g.

RESULTS

Date of assessment	17/10/02 = 20 days after last application			
Crop stage	Maturity, first date of harvest			
Type of record	Number of fruits on the ground in 4 times 1,5 m x 0,3 m	Weight of fruits on the ground in 4 times 1,5 m x 0,3 m (in g)	Average weight per fruit in g	I.R. (brix)
AMINOFIT.Xtra	21,1 (a)	507 (a)	44,2 (a)	15,5 (a)
UNTREATED CONTROL	26,3 (b)	698 (a)	42,3 (a)	14,5 (b)
% to the control	- 20	- 27	+ 4.5	+ 6.9

Date of assessment	08/11/02 = 42 days after last application			
Crop stage	Maturity, second date of harvest. The trees have been shaken before picking the fruits on the soil			
Type of record	Number of fruits on the ground in 4 times 1,5 m x 0,3 m	Weight of fruits on the ground in 4 times 1,5 m x 0,3 m (in g)	Average weight per fruit in g	I.R. (brix)
AMINOFIT.Xtra	166 (a)	7159 (a)	43,5 (a)	15,4 (a)
UNTREATED CONTROL	170 (a)	7112 (a)	41,4 (a)	14,6 (b)
% to the control	- 2	+ 0.7	+ 5.1	+ 5.5

Remarks :

The fruits were harvested on the soil after a mechanic shaking of the trees.

GRAPHS

