

CROP : CIDER APPLE – *DOUCE MOEN and CLOS RENAUX*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/POM/02/31	Crop information
50720 St CYR du BALLLEUL Normandy		Variety : Douce Moen and Clos Renaux Root stock : MM 106 Date of planting : 1991 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	2,5 l/ha	19/05/02	Flowering	500 l/ha	Mixed with fungicides
Application N°2	AMINOFIT.Xtra	2,5 l/ha	06/07/02	Fruit expansion	500 l/ha	Mixed with fungicides
Application N°3	AMINOFIT.Xtra	5 l/ha	06/08/02	Fruit expansion	500 l/ha	Mixed with fungicides

MATERIALS AND METHODS

Plot size : 1,9 hectare

Trial design : 4 replicates, 1 tree per sample

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, on both sides of the trees,
The brix level was measured on 40 apples per plot

COMMENTS CONCLUSION

AMINOFIT.Xtra was applied three times instead of 4 times as initially planned in the protocol. The last application was made 80 days pre harvest instead of 20 days pre harvest.

A severe infestation of insects reduced the fruit number of the treated plots that were situated in the bottom of the orchard. Nevertheless, there is no significant difference in the number and weight of fruits between the treated plots and the untreated plots. On both varieties, AMINOFIT.Xtra increases the brix level, from 0,9 to 1,4 point compared to the control.

The sugar content is very important for cider making.

RESULTS

VARIETY DOUCE MOEN				
Date of assessment	25/10/02 = 80 days after last application			
Crop stage	Maturity			
Type of record	Number of fruits on the ground in 2 times 1,5 m x 0,3 m	Weight of fruits on the ground in 2 times 1,5 m x 0,3 m (in g)	Average weight per fruit in g	I.R. (brix)
AMINOFIT.Xtra	99.5 (a)	4.47 (a)	44,92 (a)	18.9 (b)
UNTREATED CONTROL	110.25 (a)	4.98 (a)	45.17 (a)	17,5 (a)

VARIETY CLOS RENAUX				
Date of assessment	25/10/02 = 80 days after last application			
Crop stage	Maturity			
Type of record	Number of fruits on the ground in 2 times 1,5 m x 0,3 m	Weight of fruits on the ground in 2 times 1,5 m x 0,3 m (in g)	Average weight per fruit in g	I.R. (brix)
AMINOFIT.Xtra	130.0 (a)	6.53 (a)	50.27 (a)	14.9 (a)
UNTREATED CONTROL	210.25 (a)	10.74 (a)	45.17 (a)	14.0 (a)

Remarks :

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

GRAPHS

