

CROP : CHERRIES - *DURONI*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/CER/02/08	Crop information
82200 MOISSAC South West of France		variety : Duroni Root stock : Edabriz Date of planting : 1996 Density of planting : 4,5 m between the rows and 1,6 m in the row Height of the trees : 3,2 m Drip Irrigation

APPLICATION DETAILS

	Product	Dose rate	Application date	Crop stage on application	Volume of the mixture	Remarks
Application N°1	AMINOFIT.Xtra	2,5 l/ha	05/04/02	Mid flowering	200 l/ha	AMINOFIT.Xtra applied alone
Application N°2	AMINOFIT.Xtra	2,5 l/ha	04/05/02	Bud formation, diameter = 1cm	200 l/ha	AMINOFIT.Xtra applied alone
Application N°3	AMINOFIT.Xtra	5 l/ha	21/05/02	Beginning of colouring	200 l/ha	AMINOFIT.Xtra applied alone
Application N°4	AMINOFIT.Xtra	5 l/ha	06/06/02	13 days before harvest	200 l/ha	AMINOFIT.Xtra applied alone

MATERIALS AND METHODS

Plot size : 2 rows with 5 trees per row or 10 trees per plot
Number of replicates : 4
Application method : Foliar spray
Equipment used : Tractor trailed mist-blower
Assessments : Throughout the season : record of any visual effect on the plants
At harvest : yield, fruit size, brix level and shelf life.

COMMENTS CONCLUSION

AMINOFIT.Xtra applied 4 times starting from flowering period until 17 days before harvest allows to increase significantly the average weight of the cherries and the richness in sugar. The fruits are of very uniform calibre since the cherries are mostly divided in 3 calibres. Nonetheless, in the plots treated with AMINOFIT.Xtra, 39% of the cherries are of calibre 30 against 36% for the control plots and in the AMINOFIT.Xtra plots not one cherry is inferior to calibre 26.

RESULTS

Visual crop assessments

No visual effect was seen on the foliage.

Fruit size

Date of assessment	19/06/02 = 13 days after the last application						
Crop stage	Maturity						
Studied Parameter	% fruit of calibre 24	% fruit of calibre 26	% fruit of calibre 28	% fruit of calibre 30	Av. weight / cherry in g	I.R.	% of bursted cherries
AMINOFIT.Xtra	0 (a)	11 (a)	49,5 (a)	39,5 (a)	11,4 (a)	19,0 (a)	0,5 (a)
CONTROL	1,5(a)	11,5 (a)	50,5 (a)	36,5 (a)	11,1 (b)	17,9 (b)	1,5 (a)

Shelf life

Date of assessment	28/06/02	02/07/02	08/07/02	12/07/02	16/07/02
Crop stage	9 days after harvest	13 days after harvest	19 days after harvest	23 days after harvest	27 days after harvest
Studied parameter	Cumulative % of cherries that can no longer be marketed				
AMINOFIT.Xtra	5	15	55	76	100
CONTROL	10	21	70	96	100

Remarks :

The calibre and the average weight were measured on 50 cherries per plot, or on about 500 grams.

The refractometer index was measured on a sample of 250 gram of fruit per plot.

The shelf life was evaluated on a sample of 20 fruits that were conserved in the dark at 14°C. All fruits that were damaged, withered or soft were considered no longer fit for commercialisation.

GRAPHS

