CROP : CHERRIES - *BURLAT*

Trial carried out in France in 2002

SITE DETAILS

TRIAL N° :	D/F/CER/02/02	Crop information
82200 MOISSAC South West of France		variety : Burlat Root stock : Merisier Date of planting : 1987 Density of planting : 4,5 m between the rows and 2,0 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	30/03/02	Mid flowering	200 l/ha	AMINOFIT.Xtra applied alone
Application N°2	AMINOFIT.Xtra	5 l/ha	10/04/02	Bud formation, diameter =1cm	200 l/ha	AMINOFIT.Xtra applied alone
Application N°3	AMINOFIT.Xtra	5 l/ha	04/05/02	Beginning of colouring	200 l/ha	AMINOFIT.Xtra applied alone
Application N°4	AMINOFIT.Xtra	5 l/ha	10/05/02	5 days before harvest	200 l/ha	AMINOFIT.Xtra applied in combination with Horizon arbo

MATERIALS AND METHODS

Plot size : 2 rows with 5 trees per row or 10 trees per plot

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 and shelf life.

COMMENTS CONCLUSION

AMINOFIT.Xtra, applied 4 times starting from the flowering stage until 5 days before harvest, allows improving the quality level of the harvest.
The effects are particularly visible in the increase in calibre, since at the date of the first harvest, 85 % of the cherries are of calibre 26/28 in the plots that were treated with AMINOFIT.Xtra against 65 % in the control plots.
At the second harvest date, the results are similar with 89 % of the fruit of 28/30 in the treated plots against 30 % in the control plots.
AMINOFIT.Xtra also allows to increase the brix % from 0,4 to 0,6 point.

The cherries of the treated plots have a longer shelf life. 12 days after harvest, 52 % of the cherries in the control plots are no longer marketable against 14 % in the treated plots.

RESULTS

Visual crop assessments

No visual effect was seen on the foliage.

Fruit size

Date of assessment	15/05/02 = 5 days after the last application						22/05/02 = 12 days after the last application					
Crop stage	Maturity, first harvest date						Maturity, second harvest date					
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.	% fruit of calibre 24	% fruit of calibre 26	% fruit of calibre 28	% fruit of calibre 30	Av. weight / cherry in g	I.R.
AMINOFIT.Xtra	15	55	30	0	7,5	12,0	0	11	61	28	8,96	14,8
CONTROL	35	60	5	0	7,0	11,6	1	69	26	4	8,16	14,2

Shelf life

Date of assessment	27/05/02	03/06/02	10/06/02	17/06/02
Crop stage	12 days after harvest	19 days after harvest	26 days after harvest	33 days after harvest
Studied Parameter	Cumulative % of cherries that can no longer be marketed			
AMINOFIT.Xtra	14	30	90	100
CONTROL	52	74	94	100

Remarks :

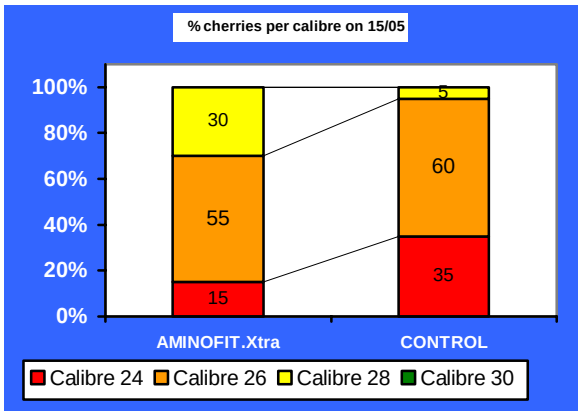
The calibre was measured on 20 cherries on May 15th and on 100 cherries on May 22nd.

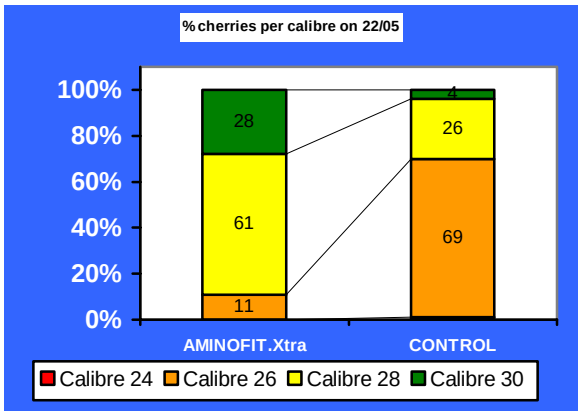
The average weight of the cherries was measured on a sample of 20 cherries on May 15th and on a sample of 50 cherries on May 22nd.

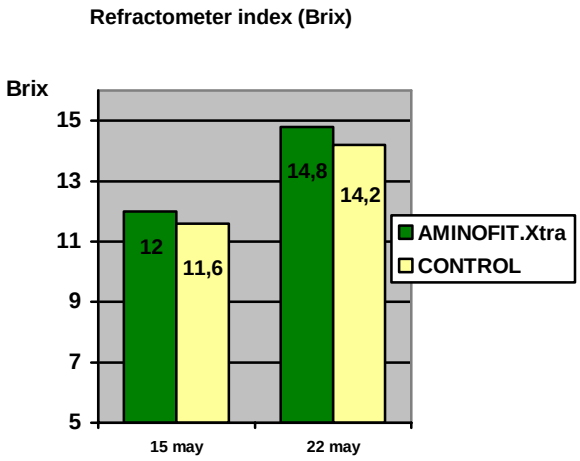
The percentage of no longer marketable cherries was measured on 50 cherries that had been kept in the dark at 14 °C.

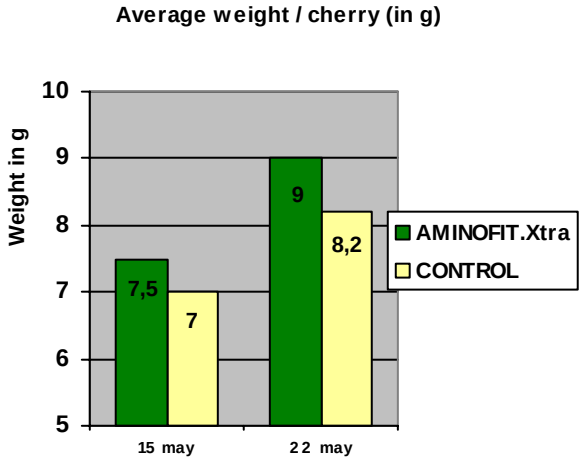
Brix was measured on a sample of 250 grams of cherries per plot.

GRAPHIC SYNTHESIS









Shelf life