

# CROP : CHERRIES - *HEDELFINGEN*

Trial carried out in France in 2002

## SITE DETAILS

TRIAL N° :	D/F/CER/02/01	Crop information
82200 MOISSAC South West of France		variety : Hedelfingen 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	2,5 l/ha	10/04/02	Bud formation, diameter = 1cm	200 l/ha	AMINOFIT.Xtra applied alone
Application N°3	AMINOFIT.Xtra	5 l/ha	21/05/02	Beginning of colouring	200 l/ha	AMINOFIT.Xtra applied alone
Application N°4	AMINOFIT.Xtra	5 l/ha	31/05/02	17 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  
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 the calibre : the plots treated with AMINOFIT.Xtra obtained 45% cherries of calibre 28/30 against 30% for the control plot. It also allows to increase the average weight, sugar content and shelf life of the cherries.

A significant effect was observed in the bursting of the fruit with a reduction of about 70% compared to the control.

## RESULTS

### Visual crop assessments

No visual effect was seen on the foliage.

### Fruit size

Date of assessment	19/06/02 = 19 days after the last application						
Crop stage	Maturity						
Studied Parameter	% fruit of calibre 20	% fruit of calibre 22	% fruit of calibre 24	% fruit of calibre 26	% fruit of calibre 28	% fruit of calibre 30	Av. weight / cherries in gr
AMINOFIT.Xtra	0 (a)	0 (a)	13 (a)	41,5 (a)	39,5 (a)	6 (a)	10,2 (a)
CONTROL	1,5 (a)	8,5 (a)	16,5 (a)	43,5 (a)	30 (a)	0 (b)	9,7 (a)

### Quality recordings

Date of assessment	19/06/02 = 19 days after the last application	
Crop stage	Maturity	
Studied Parameter	Refractometer index (brix)	% of bursted cherries
AMINOFIT.Xtra	15,0 (a)	2 (a)
CONTROL	15,1 (a)	7,5 (b)

### Shelf life

Date of assessment	28/06/02	02/07/02	08/07/02	14/07/02
Crop stage	9 days after harvest	13 days after harvest	19 days after harvest	26 days after harvest
Studied parameter	Cumulative % of cherries that can no longer be marketed			
AMINOFIT.Xtra	12	40	90	100
CONTROL	37	70	100	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

