

# CROP : MELON – *BUFFALO*

Trial carried out in France in 2002

## SITE DETAILS

Trial location	Crop information
81700 PALLEVILLE South West of France	Variety : <b>Buffalo</b> Planting date : 29/04/02 Density of plantation : 21000 plants/ha Cultivation type: Open field Irrigation : Overhead sprinklers Soil type : Clay and silt

## APPLICATION DETAILS

	Product	Dose	Application date	Crop stage on application	Volume of the mixture	Remarks
Application N° 1	AMINOFIT.Xtra	5 l/ha	22/04/02	Pre planting	20 l	Applied alone with backpack sprayer
Application N°2	AMINOFIT.Xtra	5 l/ha	01/06/02	Flowering	250 l/ha	Applied alone
Application N°3	AMINOFIT.Xtra	5 l/ha	20/06/02	Bud formation	250 l/ha	Applied alone
Application N°4	AMINOFIT.Xtra	5 l/ha	02/07/02	Thickening	250 l/ha	Applied alone

## MATERIALS AND METHODS

Plot size : 6 m<sup>2</sup>  
Trial design : 4 replicates  
Application method : Foliar spray  
Equipment used : Backpack sprayer equipped with a boom

## DISCUSSION, CONCLUSION

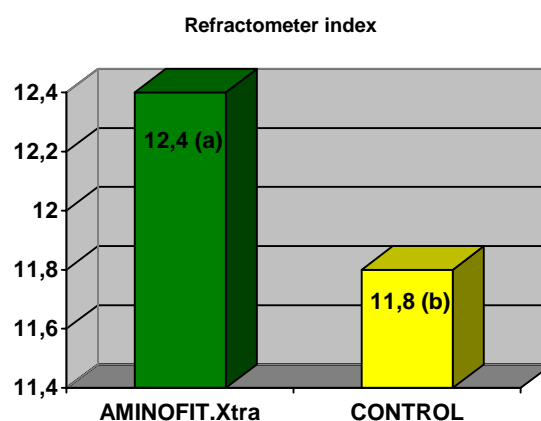
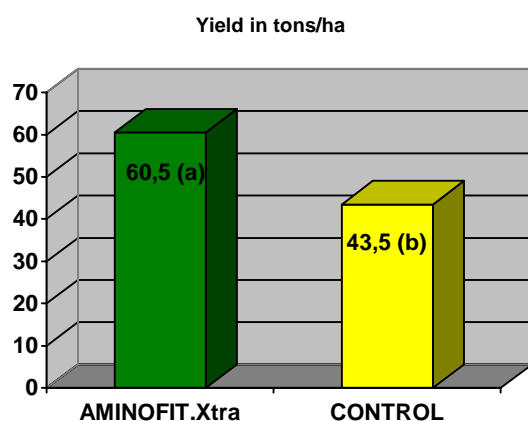
The lots treated with AMINOFIT.Xtra constantly produce more melons than the control plots, at the end of the harvest there was a cumulated increase of 41% compared to the control. As a consequence, the yield increased with the same percentage. AMINOFIT.Xtra has a significant effect on the sugar content showing an increase of 0,6 point on the refractometer index.

## RESULTS

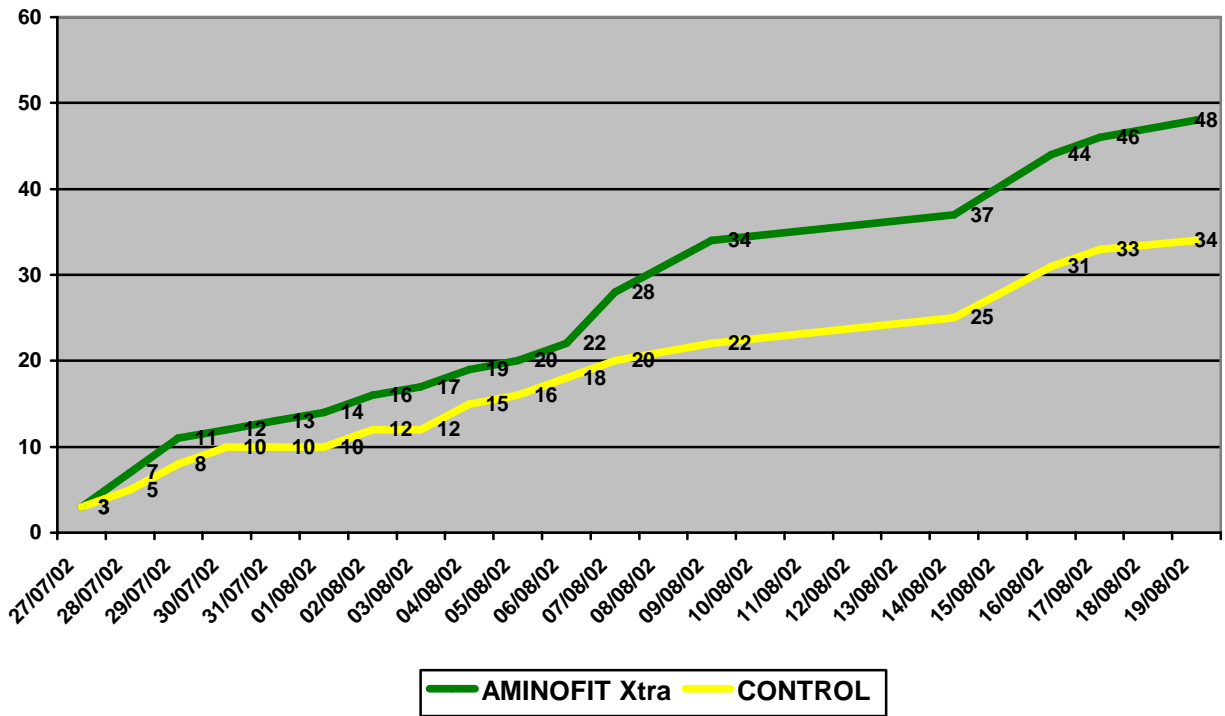
Realization date	16/08/02 = 45 days after the last application			
Crop Stage	Harvest at Maturity			
Studied Parameter	Average weight of the fruit in g	Cumulated number of fruit	Cumulated yield in ton/ha	Refractometer index (brix)
<b>AMINOFIT.Xtra</b>	<b>766 (a)</b>	<b>47,5 (a)</b>	<b>60,5 (a)</b>	<b>12,4 (a)</b>
<b>CONTROL</b>	<b>782 (a)</b>	<b>33,5 (b)</b>	<b>43,5 (b)</b>	<b>11,8 (b)</b>
<b>% compared to control</b>	<b>0</b>	<b>+ 41,8</b>	<b>+ 39,1</b>	<b>+ 5,1</b>

Realization date	16/08/02 = 45 days after the last application		
Crop Stage	Harvest at Maturity		
Studied Parameter	Number of melons with diameter < 11 cm	Number of melons with diameter > 11 cm et < 12 cm	Number of melons with diameter > 12 cm
<b>AMINOFIT.Xtra</b>	<b>15,25 (a)</b>	<b>18,25 (a)</b>	<b>14,00 (a)</b>
<b>CONTROL</b>	<b>10,25 (b)</b>	<b>12,00 (a)</b>	<b>11,25 (a)</b>
<b>% compared to control</b>	<b>+ 48,8</b>	<b>+ 52,1</b>	<b>+ 24,4</b>

## GRAPHS



AVERAGE CUMULATED NUMBER OF MELONS HARVESTED PER PLOT (6m<sup>2</sup>)



AVERAGE NUMBER OF MELONS PER CALIBRE (Diameter in centimetres)

