

# CROP : ROSE – *CAPRICE DE MEILLAND, PANTHERE ROSE, ELLE*

## Trials carried out in France in 2001 and 2002

### SITE DETAILS

TRIAL N° :	D/F/PDT/03/06	Crop information
81700 POUDIS South West of France		Varieties : Caprice de Meilland - Panthère rose - Elle Planting date : 28/05/01 Type of cultivation: open field Density of plantation : 15625 plants / hectare : 0.8 m inter row and on row Soil type : Clay loam

### APPLICATION DETAILS

#### First year (2001)

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water
Application N° 1	AMINOFIT.Xtra	5 l/ha	28/05/01	Flower buds	250 l/ha
Application N° 2	AMINOFIT.Xtra	5 l/ha	11/06/01	Early flowering	500 l/ha
Application N° 3	AMINOFIT.Xtra	5 l/ha	28/06/01	Flowering	500 l/ha
Application N° 4	AMINOFIT.Xtra	5 l/ha	12/07/01	Flowering	500 l/ha
Application N° 5	AMINOFIT.Xtra	5 l/ha	27/07/01	Flowering	500 l/ha
Application N° 6	AMINOFIT.Xtra	5 l/ha	11/08/01	End of flowering	700 l/ha

Remark: The first application was made pre transplant on potted plants.

#### Second year (2002)

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water
Application N° 1	AMINOFIT.Xtra	5 l/ha	23/04/02	Growing stage; Plant height = 20 cm	250 l/ha
Application N° 2	AMINOFIT.Xtra	5 l/ha	14/05/02	Flower buds	500 l/ha
Application N° 3	AMINOFIT.Xtra	5 l/ha	10/06/02	Early flowering	500 l/ha
Application N° 4	AMINOFIT.Xtra	5 l/ha	01/07/02	Flowering	500 l/ha
Application N° 5	AMINOFIT.Xtra	5 l/ha	22/07/02	Flowering	500 l/ha
Application N° 6	AMINOFIT.Xtra	5 l/ha	12/08/02	End of flowering	700 l/ha

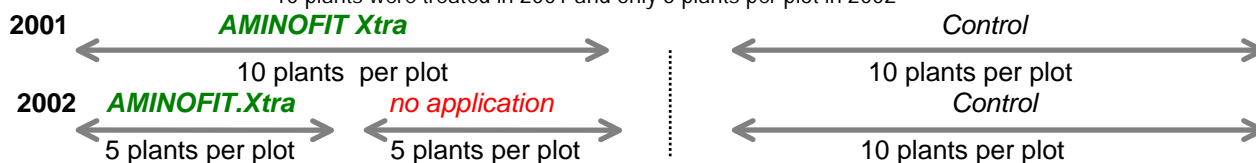
Remark: Only 5 plants per plot were treated in order to compare the effects of AMINOFIT.Xtra applied 1 or 2 consecutive seasons.

### MATERIALS AND METHODS

Plot size : 1.6 m x 4 m = 6.4 m<sup>2</sup>

Trial design : 3 replicates, 10 plants per plot.

10 plants were treated in 2001 and only 5 plants per plot in 2002



Application method : Foliar spray

Equipment used : Knapsack sprayer

Assessments : In 2001 the objective is to compare compare AMINOFIT.Xtra to the untreated control,

In 2002, the objective is to compare AMINOFIT.Xtra applied only in 2001 to AMINOFIT.Xtra applied in 2001 plus 2002 and to the untreated control.

## COMMENTS, CONCLUSION

In 2001 and in 2002, the cumulated numbers of flowers per plant were increased in plots treated with AMINOFIT.Xtra: from +10 % to +20 % to the control. That leads to an extra production of about 7 roses per plant.

The effects are particularly significant on the varieties Panthère rose and Elle.

All the visual assessments carried out on the bio-volume prove that AMINOFIT.Xtra increases the general vigor of the bushes. This effect is confirmed with the weighing of the winter prunings.

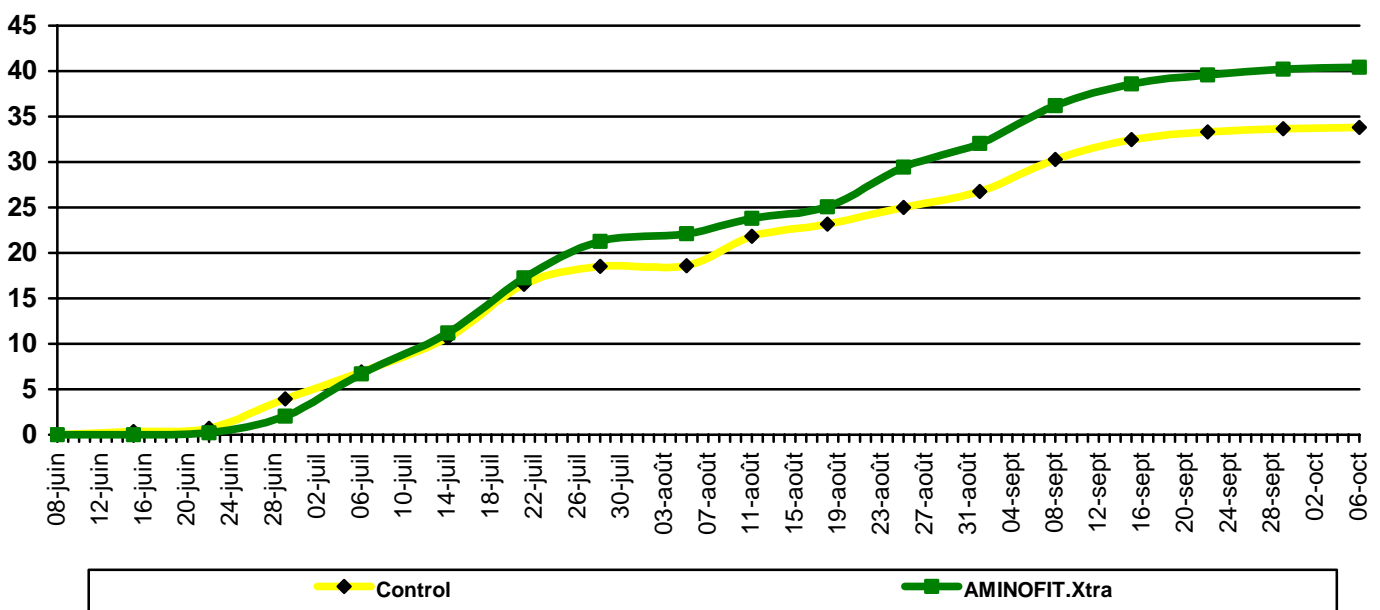
In 2002, no significant effect is recorded on plants which were treated only in 2001.

Once can conclude that AMINOFIT.Xtra must be applied every year in order to help the plant to produce to its best potential.

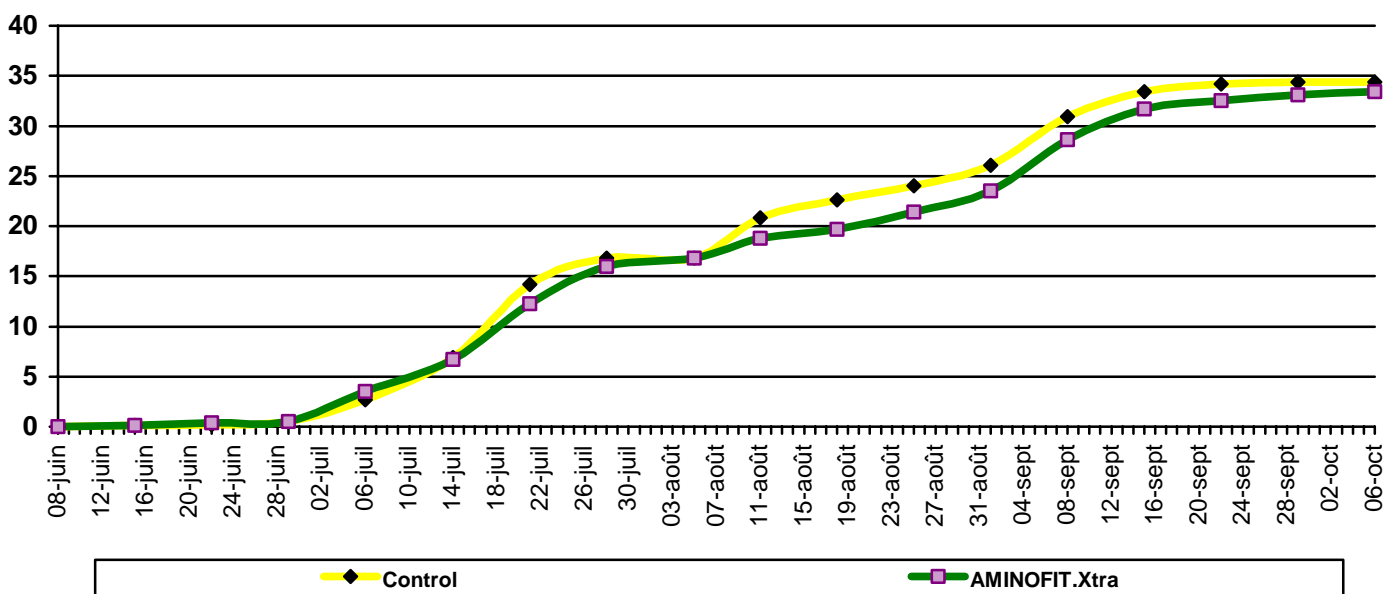
## RESULTS

### 2001

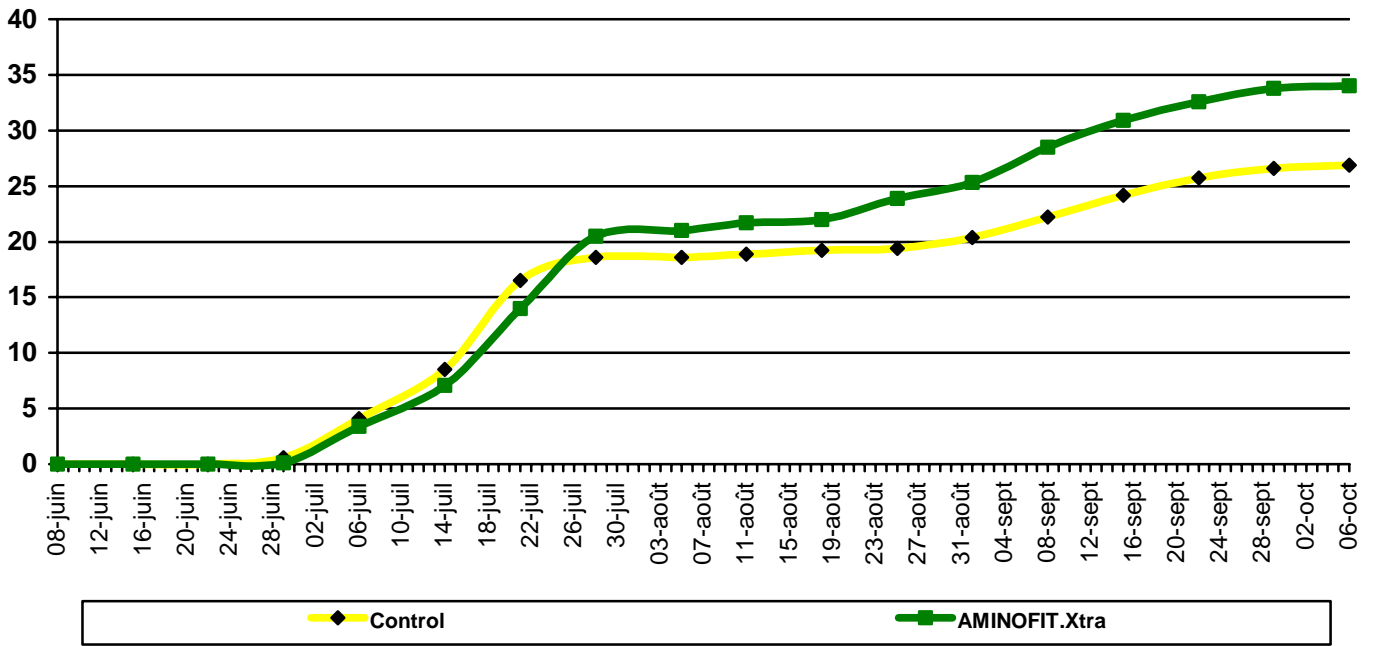
Average cumulated numbers of flowers per plant (3 varieties)



Cumulated numbers of flowers per plant on variety Caprice de Meilland



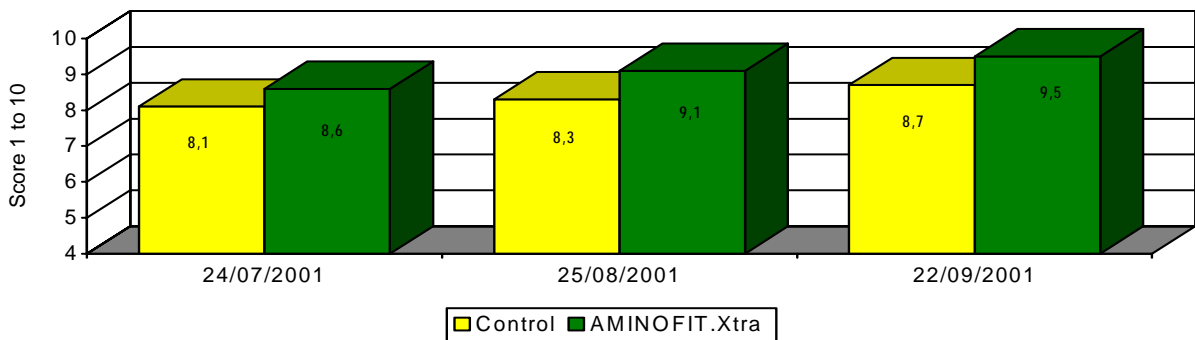
Cumulated numbers of flowers per plant on variety Panthère rose



Cumulated numbers of flowers per plant on variety Elle

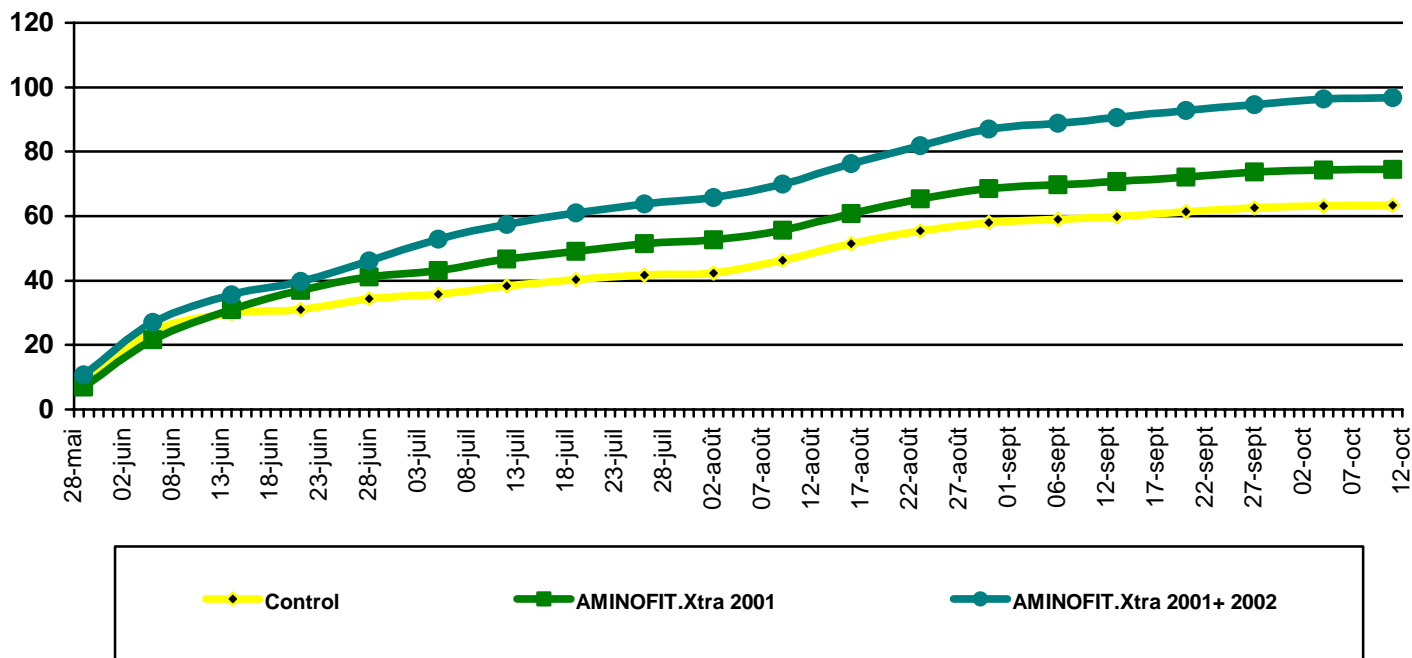


Visual assessment of the Biovolume, (scale 1 to 10; 1 = weak bio-volume, 10 = strong bio-volume)

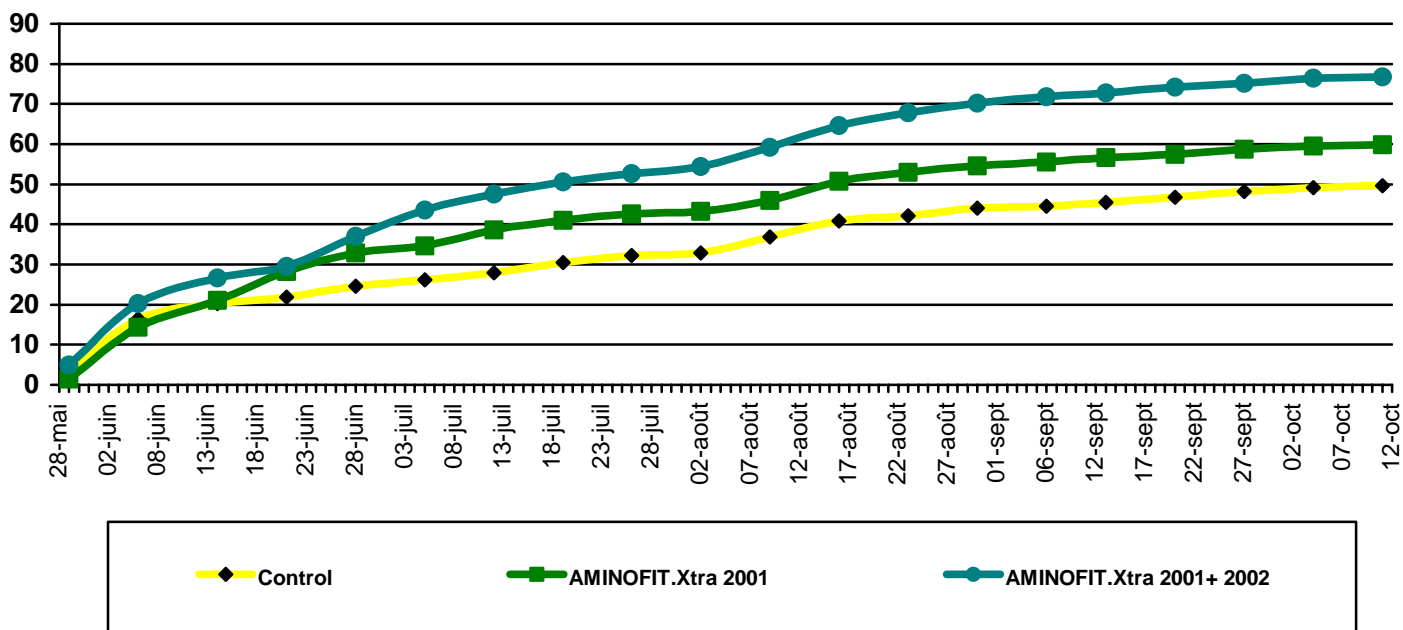


2002

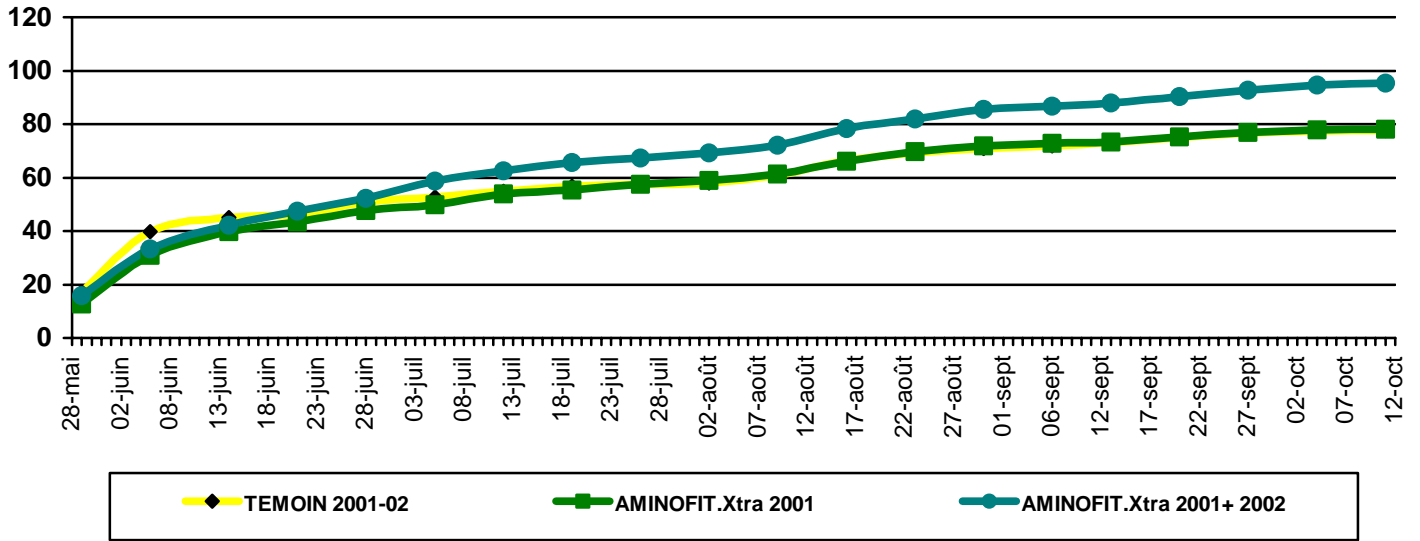
Cumulated numbers of flowers per plant (3 varieties)



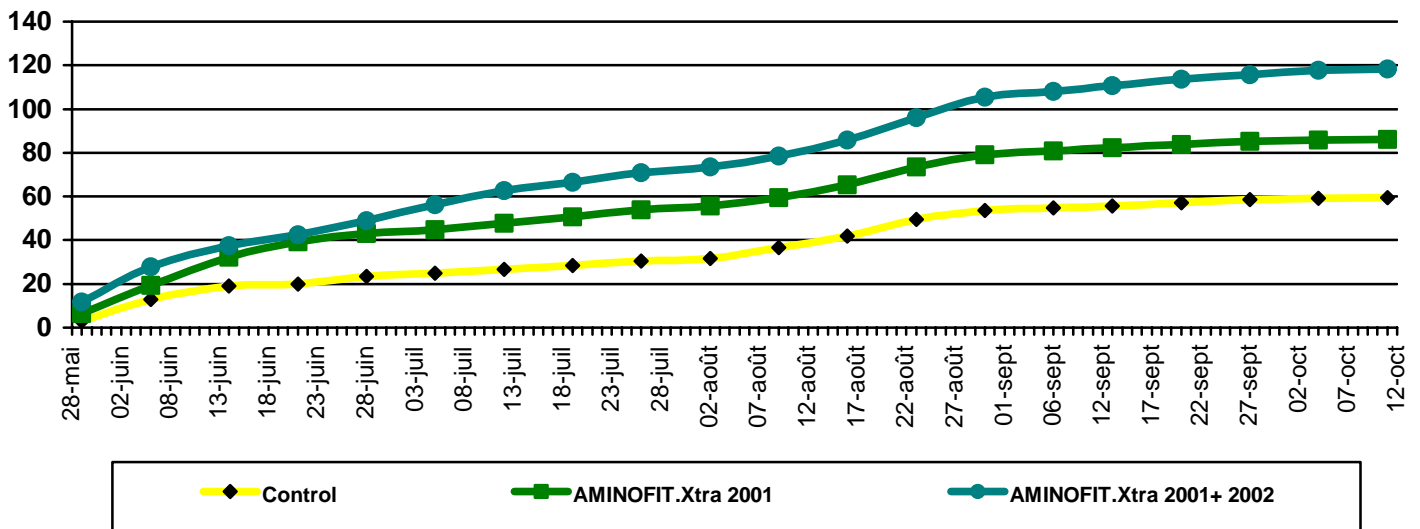
Cumulated numbers of flowers per plant on variety Caprice de Meilland



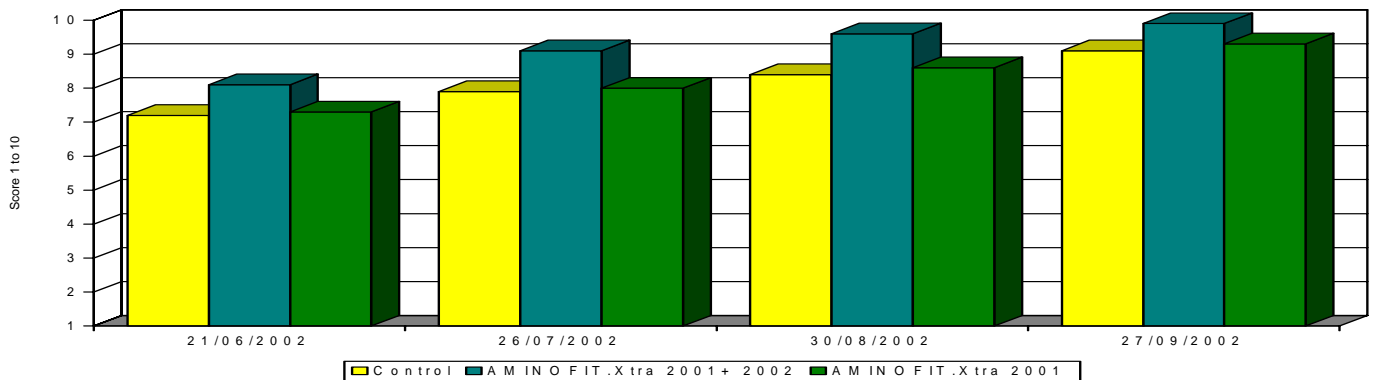
### Cumulated numbers of flowers per plant on variety Panthère rose



### Cumulated numbers of flowers per plant on variety Elle



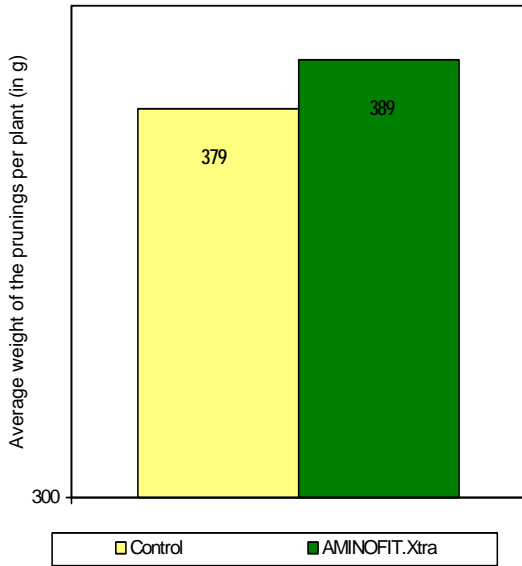
### Visual assessment of the Biovolume, (scale 1 to 10; 1 = weak bio-volume, 10 = strong bio-volume)



## Weighing of the winter prunings (in g)

Plants were pruned during winter time and the pruning were weighed.

2001



2002

