

CROP : FRENCH BEANS

Trial carried out in France in 2003

SITE DETAILS

TRIAL N° : D/F/HAR/03/36	Crop information
TONNEINS South West of France	Planting date : 22/08/03 Cultivation method : Open field Irrigation : over head irrigation

APPLICATION DETAILS

	Product	Dose rate	Crop stage at application	Volume of water
Application N°1	AMINOFIT.Xtra	2,5 l/ha	2 to 3 leaves	-
Application N°2	AMINOFIT.Xtra	2,5 l/ha	Early flowering	250 l/ha
Application N°3	AMINOFIT.Xtra	2,5 l/ha	Pods formation	250 l/ha

MATERIALS AND METHODS

Plot size : 0,25 ha
Trial design : 5 randomised blocks with one control plot per replicate
Application method : Foliar spray.
Equipment used : Farmer's tractor mounted sprayer equipped with a boom.

DISCUSSION, CONCLUSION

The crop duration was very short this year due to very hot and dry climatic conditions : 46 days instead of 60 days in normal situation.

There was severe infestation of pests such as Heliothis and Pyrale which led to low yield: 8 to 9,5 tons per hectare instead of average 12 tons per hectare.

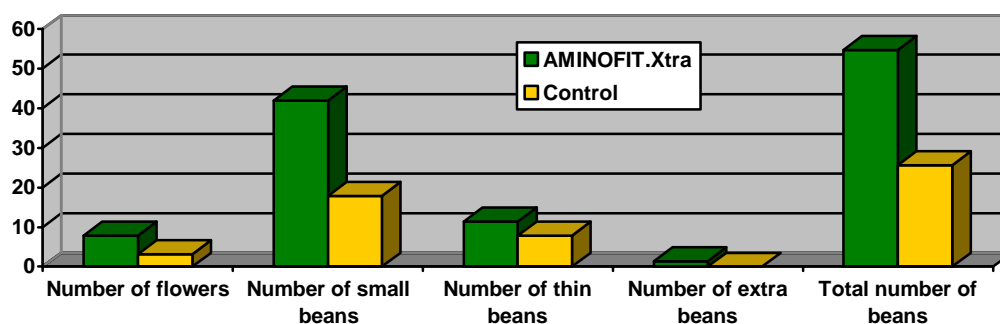
3 applications of AMINOFIT.Xtra increased significantly the yield : + 2 tons compared to the untreated control.

RESULTS

Crop stage and date	25 days after sowing - 15/09/2003					
Observed parameter	Number of white flower-buds	Number of flowers	Number of flowers ending blossom	Number of small beans	Number of thin beans	Number of very thin beans (Extra quality)
AMINOFIT.Xtra	19.2 (a)	7.8 (a)	11.0 (a)	42.0 (a)	11.4 (a)	1.4 (a)
UNTREATED CONTROL	10.4 (b)	3.2 (b)	3.0 (b)	17.8 (b)	7.8 (a)	0.0 (a)

Date	02/10/03
Crop stage	4 days pre harvest
Observed parameter	Estimated yield in tons per hectare
AMINOFIT.Xtra	9.98
UNTREATED CONTROL	8.00

Number of flowers and beans



Yield in tons per hectare

