

CROP : DURUM WHEAT - *BIENVENU*

Trial carried out in France in 2003

SITE DETAILS

TRIAL N° :	D/F/BDH/03/18	Crop information
11400 LASBORDES		Variety : Bienvenu
South West region		Date of sowing : 04/11/02
		Density of sowing : 160 kg/ha
		Irrigation : none

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	2,5 l/ha	31/03/03	1 node	120 l/ha	Not mixed with fungicide

MATERIALS AND METHODS

Plot size : 2 hectares

Trial design : 4 replicates

Application method : Foliar spray

Equipment used : Farmer's tractor towed sprayer equipped with a 24 metres wide boom

COMMENTS CONCLUSION

The weather conditions were very favourable to produce top quality grains. This year, the proteins content is higher and the yield is lower than previous years.

AMINOFIT.Xtra applied only once at early stage, significantly increased the weight of the grains: + 3,3% increase in 1000 grains weight and + 1,4% increase in specific weight.

The protein content is lower in the plots treated with AMINOFIT.Xtra. Nevertheless, In both, the treated and the control, the protein level is high and reaches the maximum quality required for durum wheat (>15).

One more application at ear emergence could significantly help in increasing the protein level.

No visual effect was seen on the foliage during the crop duration.

RESULTS

Date of assessment	25/06/03 = 86 days after last application				
Crop stage	Maturity				
Type of record	Weight of 100 ears in g	Weight of the grains issued from 100 ears	Weight of 1000 grains in g	Specific weight	Proteins content
AMINOFIT.Xtra	356.5 (a)	257.5 (a)	55.25 (a)	85.3 (a)	13.8 (b)
UNTREATED CONTROL	336.5 (a)	249.5 (a)	53.48 (b)	84.1 (b)	14.2 (a)
% to the control	+ 5.9	+ 3.2	+ 3.3	+ 1.4	- 2.9

GRAPHS

