

CROP : ONION - *HYFORT*

Trial carried out in France in 2004

SITE DETAILS

TRIAL N° :	D/F/OIG/04/23	Crop information
51230 PLEURS North East of France		Variety : Hyfort Sowing date : 24/03/04 Density of sowing : 850000 onions per hectare Soil type : Loam Irrigation : over head irrigation. Harvest date: 24/09/04

APPLICATION DETAILS

	Product	Dose rate	Date of spraying	Crop stage at application	Volume of water	Remarks
Application N°1	AMINOFIT.Xtra	1,5 l/ha	18/06/04	3 to 5 leaves	300 l/ha	Applied alone
Application N°2	AMINOFIT.Xtra	2,0 l/ha	06/08/04	Bulb swelling	300 l/ha	Applied alone
Application N°3	AMINOFIT.Xtra	2,0 l/ha	04/09/04	20 days before harvest	300 l/ha	Applied alone

MATERIALS AND METHODS

Plot size : 3 ha
Trial design : 4 samplings per treatment on 1 metre long and one seed bed width.
Application method : Foliar spray
Equipment used : Farmers tractor mounted sprayer equipped with a boom

DISCUSSION, CONCLUSION

Climatic conditions were not stressful during the progress of the trial.
Under these conditions, AMINOFIT.Xtra increased significantly the size of the bulbs, since 69% of the bulbs are of marketable calibre against 51% in the control plots.

RESULTS

Number of onions per size, per plot

Date of assessment	30/09/04 = 26 days after the last application							
Crop stage	Maturity							
Type of record	Number of onions calibre < 45	Number of onions calibre 45-50	Number of onions calibre 50-55	Number of onions calibre 55-60	Number of onions calibre 60-65	Number of onions calibre 65-70	Number of onions calibre 70-75	Number of onions calibre >75
AMINOFIT.Xtra	21 (b)	16 (a)	20 (a)	26 (a)	22 (a)	15 (a)	10 (a)	5 (a)
Untreated control	37 (a)	24 (a)	18 (a)	22 (a)	11 (b)	9 (a)	4 (b)	1 (a)

Weight of onions per size in grams

Date of assessment	30/09/04 = 26 days after the last application								
Crop stage	Maturity								
Type of record	Weight of onions calibre < 45	Weight of onions calibre 45-50	Weight of onions calibre 50-55	Weight of onions calibre 55-60	Weight of onions calibre 60-65	Weight of onions calibre 65-70	Weight of onions calibre 70-75	Weight of onions calibre >75	Total weight in Kg
AMINOFIT.Xtra	915 (a)	1110 (a)	1763 (a)	3030 (a)	2853 (a)	2322 (a)	2078 (a)	1068 (a)	15.14 (a)
Untreated control	1605 (a)	1675 (a)	1619 (a)	2364 (a)	1535 (b)	1421 (a)	813 (b)	221 (a)	11.26 (b)

% of onions per size

Date of assessment	30/09/04 = 26 days after the last application							
Crop stage	Maturity							
Type of record	Percent of onions calibre < 45	Percent of onions calibre 45-50	Percent of onions calibre 50-55	Percent of onions calibre 55-60	Percent of onions calibre 60-65	Percent of onions calibre 65-70	Percent of onions calibre 70-75	Percent of onions calibre >75
AMINOFIT.Xtra	16 (b)	12 (a)	15 (a)	19 (a)	16 (a)	11 (a)	8 (a)	4 (a)
Untreated control	29 (a)	19 (a)	14 (a)	18 (a)	9 (b)	7 (a)	3 (b)	1 (a)

GRAPH

