

CROP : CUTTINGS OF Hebe species and Hebe microphylla

Trial carried out in France in 2005

TRIAL DETAILS

TRIAL N° : 04H115	Crop Information
50760 Gatteville	Variety : <i>Hebe species</i> and <i>Hebe mycrophylla</i> Planting date : 30/12/2004 Transplanting date : 23/02/2005 Mode of cultivation : green house with controlled environment (light, air moisture, drip irrigation, CO ₂ , temperature) Substrate : Pindstrup N° 6 10-30 mm

APPLICATIONS DETAILS

	Product	Application dose	Application date	Volume of the mixture	Mode of application	Crop stage
Application N°1	AMINOFIT.Xtra	5 cc/l	30/12/04	-	Soaking of the cuttings	Pre planting, early rooting
Application N°2	AMINOFIT.Xtra	3 cc/l	23/02/05	1000 l	Foliar spray	Roots developed
Application N°3	AMINOFIT.Xtra	3 cc/l	13/04/05	1000 l	Foliar spray	Plant growth

MATERIALS AND METHODS

Study objective: To evaluate the effects of AMINOFIT.Xtra on the root development and on the growth of cuttings after the transplant shock.

Plot size :
At cutting stage :
Hebe species: 1 multi cell growing trays per plot, 104 cells per tray and 2 cuttings per cell
Hebe microphylla: 1 multi cell growing trays per plot, 30 cells per tray and 2 cuttings per cell

After transplant :
Hebe species: 10 pots of 2 litres per plot and 2 cuttings per pot
Hebe microphylla: 24 pots of 1 litre per plot and 2 cuttings per pot

Trial layout :
 1 replicate,
 3 modalities
 → AMINOFIT.Xtra
 → Control 1: the plants are grown in the same environment than that of AMINOFIT.Xtra
 → Control 2: the plants are grown in a stress less environment (different green house from that used for the control and for AMINOFIT.Xtra, ideal growing conditions)

Application method : Soaking of the cuttings and foliar spray

DISCUSSION, CONCLUSION

Hebe is a very susceptible plant to stress and diseases.

AMINOFIT.Xtra applied just before transplantation by soaking of the roots and later on by foliar application, shows good effects on the root and stem development, compared to the untreated controls.

Plants treated with AMINOFIT.Xtra are more homogeneous than the untreated ones, and the roots are more evenly developed.

Treatments should have been renewed every 3 to 4 weeks in order to increase the effects recorded.

RESULTS

HEBE SPECIES

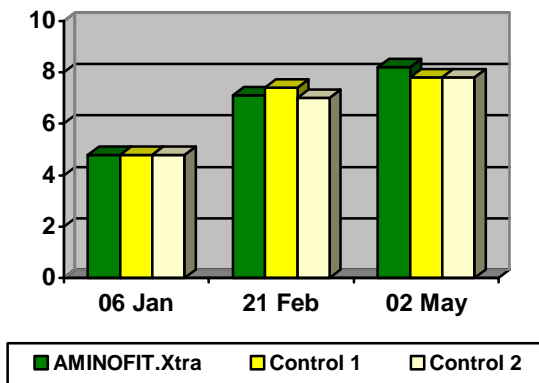
Date of assessment	06/01/05 = 7 days after last application	21/02/05 = 2 days after last application	02/05/05 = 19 days after last application			
Type of assessment	Plant height	Plant height	Plant height	Diameter	Root development	Homogeneity of the plants
AMINOFIT.Xtra	4.8	7.1	8.2	11.0	4	Homogeneous
CONTROL 1	4.8	7.4	7.8	11.4	2	Heterogeneous
CONTROL 2	4.8	7.0	7.5	11.4	2	Heterogeneous

HEBE MICROPHYLLA

Date of assessment	06/01/05 = 7 days after last application	21/02/05 = 2 days after last application	02/05/05 = 19 days after last application			
Type of assessment	Plant height	Plant height	Plant height	Diameter	Root development	Homogeneity of the plants
AMINOFIT.Xtra	4.8	6.7	7.8	10.5	4	Very homogeneous
CONTROL 1	4.8	5.5	6.5	8.5	3	Heterogeneous
CONTROL 2	4.8	7.0	8.0	11.0	4	Homogeneous

Remarks: The root development is scored according to a 0 to 4 scale: 0 = no root, 4 = roots well developed within the whole volume of the pot.

Plant height, *Hebe species*



Plant height, *Hebe microphylla*

