

### EVALUATION OF CONTROL EFFICACY OF DÉDALO ELITE VS. CHOLINE SALT AND ETHYLHEXYL ESTER FORMULATIONS FOR TALL FLEABANE (*CONYZA SUMATRENSIS*) IN CHEMICAL FALLOW.

#### OBJECTIVE

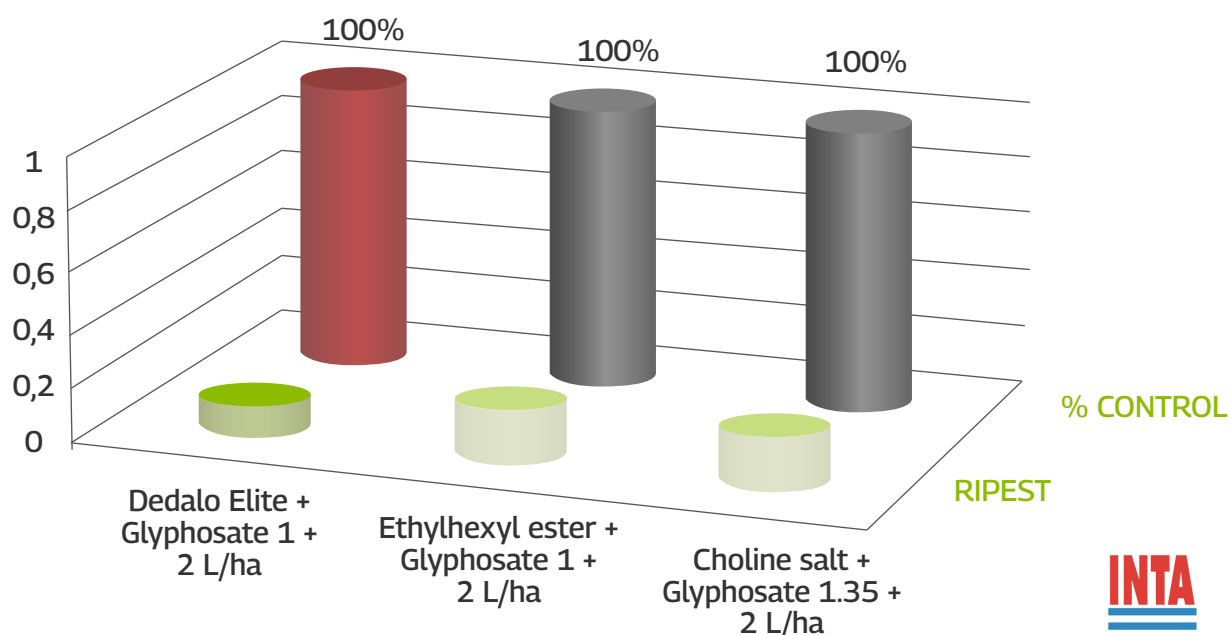
Assessing the performance of Dédaló Elite herbicide in combination with glyphosate compared to other two 2,4-D formulations (salt and ester) applied through flat spray tip with a Venturi EZ 11002 system in post-emergence treatment of weeds, especially, the most glyphosate-hardy ones.

**Table 1** Treatments administered during the trial

TREATMENTS	SPEED (km/h)	PRESSURE (BAR)	TIP	DISTANCE BETWEEN THE TIPS (CM)	SPRAY VOLUME (l/ha)	GRAMS OF 2,4-D ACTIVE INGREDIENT/ha	SPRAY HERBICIDES (TRADE NAME)
TREATMENT I	26	2,5	APAI EZ 11002 <sup>(1)</sup>	35	50	300	1 L Dédaló Elite 30% + 2 L Glyphosate Full 54%
TREATMENT II	26	2,5	APAI EZ 11002 <sup>(1)</sup>	35	50	615	1.35 L 2,4-D choline salt 45,6% + 2 L Glyphosate Full 54%
TREATMENT III	26	2,5	APAI EZ 11002 <sup>(1)</sup>	35	50	644	1 L ethylhexyl 2,4-D 64% + 2 L Glyphosate Full 54%

<sup>(1)</sup> Simple flat hydropneumatic flat spray tip with Venturi EZ 11002 system, Geoline.

### ASSESSMENT OF ECOTOXICOLOGICAL RISK CAUSED BY PESTICIDE USE AND % CONTROL OF TALL FLEABANE (*CONYZA SUMATRENSIS*) 63 DAYS AFTER APPLICATION.



### RESULTS / CONCLUSIONS

63 days after application, THERE WERE NO SIGNIFICANT DIFFERENCES among treatments in the control of tall fleabane (*Conyza Sumatrensis*)- All the treatments showed 100% control of prevailing weeds.




### QUALITY OF MIX




From left to right: Dédalo Elite + Eskoba Full; Herbifen Advance+ Eskoba Full; Enlist + Eskoba Full.

**COMPATIBILITY: IN COMPARISON TO 2,4-D SALTS, DÉDALO ELITE SHOWED EXCELLENT COMPATIBILITY WHEN MIXED WITH GLYPHOSATE POTASSIUM.**

**Coverage measurement (drops/cm<sup>2</sup>) with 20X binocular magnifier and Software StainMaster.**

Treatments	Reading of hydrosensitive cards with 20X binocular magnifier.		Reading of hydrosensitive cards with Software StainMaster.		Hydrosensitive cards
	No. drops/cm <sup>2</sup> and size of drops	Statistical analysis (1)	No. drops/cm <sup>2</sup> with 600 dpi	Statistical analysis (1) with 600 dpi	
TREATMENT I	68	A	58	A	
TREATMENT II	64	A	58	A	
TREATMENT III	64	A	46	A	

Agricultural Engineer Rubén A. Massaro.	Pesticide Application Specialist	
Agricultural Engineer Juan C. Papa	Weed Control Specialist	