

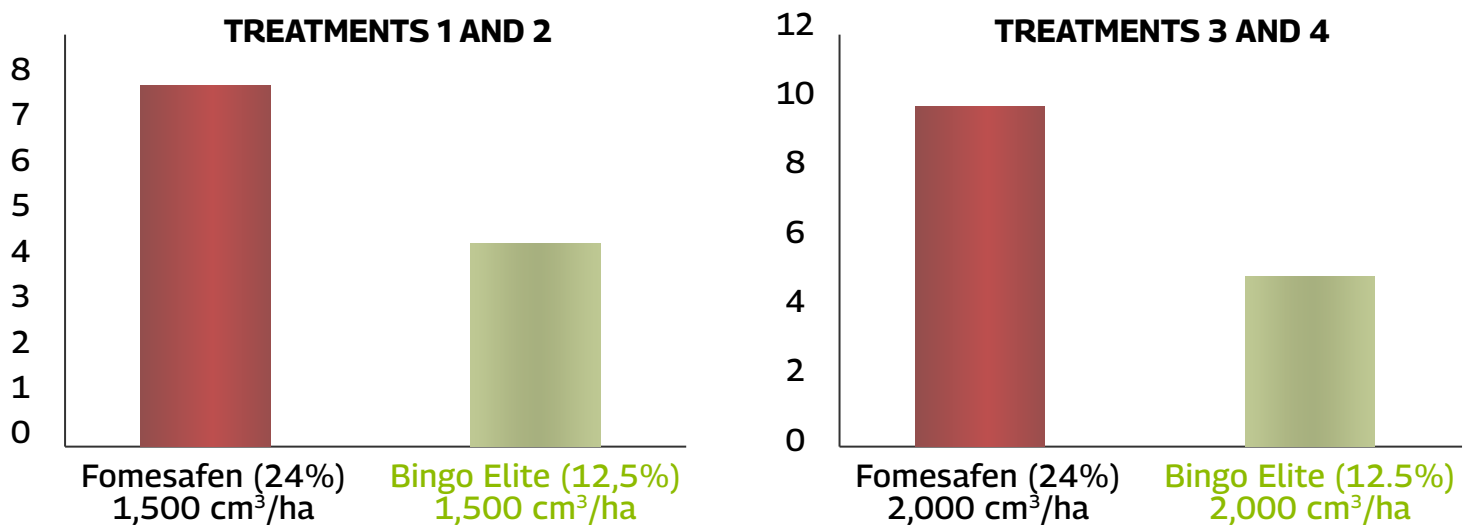
› EVALUATION OF DIFFERENT FORMULATIONS OF FOMESAFEN FOR THE CONTROL OF AMARANTHUS QUITENSIS (YUYO COLORADO)

Certainly, one of the weeds that has grown exponentially was the *Amaranthus quitensis* (yuyo colorado). The *Amaranthus quitensis* has a strong impact on fallow and summer crops. Its wide emergence period turns it into a weed that is hard to control, therefore, the crop has to be intervened several times with selective applications.

This is the reason that we carried out a trial with Agricultural Engineer Jorge Montaner through which we assessed different Fomesafen formulations on soybean. The purpose was to achieve better control, cause less phytotoxicity on the crop and evaluate the environmental impact of each application.

TREAT	PRODUCT	AVERAGE	Amount of active ingredient/ha Fomesafen	EQ	RESP.
		Control 15 days		Environmental impact	Perf.
1	Fomesafen (24%) 1,500 cm ³ /ha	93	360	7.5	283
2	Bingo Elite (12,5%) 1,500 cm ³ /ha	90	180	3.9	511
3	Fomesafen (24%) 2,000 cm ³ /ha	95	480	10	274
4	Bingo Elite (12.5%) 2,000 cm ³ /ha	95	240	5.2	326

› DIFFERENCE IN THE ENVIRONMENTAL IMPACT (EQ) AMONG EQUAL-CONTROL TREATMENTS



THANKS TO THE INCREASED BIOEFFICACY AND ENHANCEMENT OF NANOFORMULATED ELITE HERBICIDES, TREATMENTS WITH BINGO ELITE ACHIEVED AN EXCELLENT CONTROL OF AMARANTHUS QUITENSIS AND REDUCED BY HALF THE WASTE ON THE ENVIRONMENT. THEREFORE, THE ENVIRONMENTAL IMPACT OF THE APPLICATION WAS REDUCED BY ALMOST 50%.