

Combinations of sulfentrazone and saflufenacil for an improved spectrum of broadleaf weed control in chickpea

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SPG Contributions	Project Status	Duration/Timeline of Project (Year to Year)	Total Project Cost
\$52,000.00	Completed	April 2009 – April 2012	\$52,000.00

Project Description

To determine if combinations of Authority and Heat provided a broader spectrum of weed control than Authority applied alone; to determine if combinations of Heat and Authority resulted in higher levels of injury to lentil in a re-cropping situation.

Outcome

Both chickpea and field pea had excellent tolerance to Heat and Authority combinations. In 2011, none of the treatments resulted in unacceptable injury to the lentil or a reduction in lentil seed yield at both locations. In 2010, there was some indication that adding Heat to the highest rate of Authority tested (140 g ai ha⁻¹) resulted in higher levels of visual injury than Authority alone. However, none of this resulted in reduced lentil yields.

Research Objective

OBJECTIVE 1

To determine if combinations of Authority and Heat provided a broader spectrum of weed control than Authority applied alone.

OBJECTIVE 2

To determine if combinations of Heat and Authority resulted in higher levels of injury to lentil in a re-cropping situation.