

PERFORMANCE OF PAXEO (HALAUXIFEN-METIL + DICLOSULAM) APPLIED UNDER DROUGHT CONDITIONS

LUIZ HENRIQUE SAES ZOBIOLE¹; LUIZ FERNANDO MARTINI¹; GABRIEL PEREIRA¹;
CAIO VITAGLIANO SANTI ROSSI¹; FELIPE NUNES¹; AUGUSTO KALSING¹; ALISSON
FERNANDES¹

¹CORTEVA. LUIZ.ZOBIOLE@CORTEVA.COM

Destaque: The herbicide Paxeo (halauxifen-metilico+diclosulam) was effective to control *Conyza* spp. under water stress conditions.

Resumo: Environmental conditions may affect the effectiveness of herbicides. This study aimed to evaluate the efficacy of Paxeo (580 g/Kg Diclosulam+115 g/Kg Halauxifen-methyl) on *Conyza* spp. when sprayed under drought conditions period. The trials were conducted near to Toledo-PR, Dourados-MS and Aral Moreira-MS, fallow area following corn harvest, with a *Conyza* spp. density of 182, 35 and 30 plants m², respectively. The experiment was designed as randomized completed block, where treatments of Glyphosate+Paxeo (1200 + 30.6 g ai/ha) with and without a sequential application of ammonium glufosinate at 366 g ai/ha at 10 days after each application. The application occurred at 10, 20, 30, 40, 50 and 60 days after corn harvesting (DACH), where the size of *Conyza* spp was 3-6 cm, 7-12 cm, 8-16 cm, 17-25 cm, 26-28 cm, 29-35 cm, respectively. The assessments were at 0 days before soybean planting (DBP) and at V3 growth stage. A severe drought occurred from June to September in 2020 during which the trial was conducted. At both locations, the treatment that provided >95% control of *Conyza* spp. at 0 DBP for those treatments applied ad 20 DACH. Application at 10 DACH provided the least control 90% likely due to the small *Conyza* spp. plants being below the straw and the herbicide application did not reach the target. At V3 growth stage the treatments sprayed at 20, 30, 40, 50 DACH provided >95% control, except 10 DACH and at 60 DACH that *Conyza* spp. was high. In all treatments the sequential of Glyphosate+Paxeo followed by ammonium glufosinate was necessary to achieve the acceptable control >90%.

Palavras-chave: BUVA; DESSECAÇÃO; SECA

Agradecimentos: Corteva Agriscience