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Effect of adjuvant on pendimethalin and dimethenamid-P behaviour in soil

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Highlights

- Adjuvant negligibly and significantly increase dimethenamid-P and pendimethalin sorption
- Both adjuvant and irrigation affected dimethenamid-P dissipation half-lives.
- Pendimethalin dissipation half-lives were similar across all treatments.
- Both herbicides were detected mainly in the top soil layer (0–5 cm) at all times.

Abstract

Adjuvants are used to improve pesticides' performance. It is expected that adjuvants should increase sorption and persistence, as well as decrease mobility of pesticides in soils. Impact of the "Grounded" brand adjuvant on the behaviour of two herbicides, pendimethalin and dimethenamid-P, was investigated in a Haplic Chernozem. Both herbicides were tested in a laboratory batch

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