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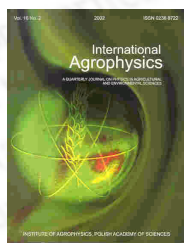
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Spatial characteristic of hydro-physical properties in arable mineral soils in Poland as illustrated by field water capacity (FWC)

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abstract The spatial characteristics of the field water capacity (FWC) of Polish soils have been presented. It was found that their values range from 3.9 to 45.5 %, vol. in relation to soil units and are mostly differentiated by the soil granulometric distribution. Variability of the value of field water capacity in individual regions can be seen in the well delineated belt of the central uplands, foothills and mountain areas; it divides Poland into two structural zones for which the threshold FWC value in the surface layer and subsurface is 25 and 30% in the subsoil.

keywords field water capacity, Polish soils

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