MELIORATIVE SOIL TILLAGE EFFECT ON PROPERTIES OF DARK CHESTNUT ALKALINE SOIL IN DRY STEPPE ZONE

O. Drozd

National Scientific Center «Institute for Soil Science and Agrochemistry Research named after O.N. Sokolovsky», Kharkiv, Ukraine
(elena_drozd@ukr.net)

The small plot experiment on dark chestnut soil, weakly studied composition and changes in the salt content of organic substances under chemical amelioration, reclamation plowing and milling plowing. It was found that the ameliorative plowing cause extensive changes in the salt composition and humus to a depth of reclaimed layer. Increment yield in variants with plowing reclamation is 50-55 %, but no significant difference between the value of crop variants have been identified.

Key words: soil; chemical reclamation; reclamation plowing; milling plowing; salt composition; humus; productivity.

References