

UDC: 633.2:631.82:631.452:631.445.24

**Change of indexes of fertility and cellulose activity of soil for growing of cereal
sward depending on a fertilizer**

U. M. Karbivska

Vasyl Stefanyk Precarpathian National University

ORCID ID: 0000-0002-0540-8887

E-mail: yljakarbivska@ukr.net

The results of researches are reflected in relation to the change of indexes of fertility and cellulose activity of soil for till of cereal herbares depending on a fertilizer. Bringing of phosphoric - of potassium fertilizers in the dose of $P_{60}K_{90}$ substantially influenced on the accumulation of dry root mass only at the united bringing them with nitrogen. On a background bringing of N_{75} the increase of root mass increased on 0,63 t/ha, and on a background N_{150} - on 0,63 t/ha.

Change of indexes of fertility and cellulose activity of soil for growing of cereal травостоев depending on Most root mass accumulated for bringing of mineral fertilizers in the doses of $N_{150}P_{60}K_{90}$, and least - in a variant without fertilizers. To phosphorus, in the roots of cereal травостоя in a top-soil on the different variants of fertilizer from 11 to 17 kg/ha accumulated in limits and, and to potassium - within the limits of 50 - 76 kg/ha.

Under operating of the annual bringing on cereal травостой of N_{75} separately or in combination with bringing of $P_{60}K_{90}$ cellulose activity of soil increased on 4 - 5 for bringing of N_{150} – 6%.

Keywords: fertilizer, root, soil, cereal herbares, nutritives, haying use, cellulose activity, indexes of fertility