UDC 631.11.52:11«312»

LEAF AREA INDEX AND DRY MATTER CONTENT ACCUMULATION DEPENDING ON FERTILIZATION RATE BY DURUM SPRING WHEAT.

T.V.Antal **pHD**

National University of Life and Environmental Sciences of Ukraine

The three years research results of mineral fertilizers influence on leaf area index and dry matter accumulation dynamic of durum spring wheat were studied in the article.

Durum spring wheat, leaf area, fertilization, photosynthesis

The most intensive accumulation of dry matter in plants was the early exit in the tube. Before heading stage in average years of research based on accumulated fertilizer plants varieties and Isolde 59,6-73,3% Bucuria 58,8-73,3% dry matter from its limit. The maximum yield of dry matter in earing phase was obtained by making N120P120K120 + N30IV and it varied from 594.4 g / m2 to 605.1 g / m2 depending on the year.

Conclusions. Technological factors and weather conditions determine the duration of the phases of growth and development of wheat, the intensity of the flow formation processes, resulting in the increase of the linear dimensions, an increase vegetative mass accumulation of dry matter, leaf surface formation and activity of operation.

References

1. Nychyporovych AA Fyzyolohyya photosynthesis and productivity of plants / AA Nychyporovych // Fyzyolohyya photosynthesis. - M., 1982. - P. 7-33.

2. Recommendations for the cultivation of spring wheat in forest-steppe of Ukraine / [Melnyk nick-SI, Sytnyk VP, TI Lazar et al.] - Kharkiv, 2006. - 23 p.

3. Saiko VF theoretical basis and practical aspects of "biological agriculture" in Ukraine / VF Saiko, EG Dehodyuk // Agriculture. - 1994 - Vol. 69. - P. 3-6.

4. Technology of high-quality spring wheat in forest-steppe of Ukraine: method. Recom. / Ed. VG prickly. - K: Dia, 2006. - 40 p.