

## PHOTOSYNTHETIC PRODUCTIVITY OF SORGHUM IN THE RIGHT-BANK FOREST-STEPPE OF UKRAINE.

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*In the article shows the results of studies of the impact of photosynthetic activity on seed yield different types of sorghum.*

*Sorghum saccharatum, Sorghum bicolor, Sorghum orizoidum, leaf photosynthesis, photosynthetic potential, photosynthetic productivity.*

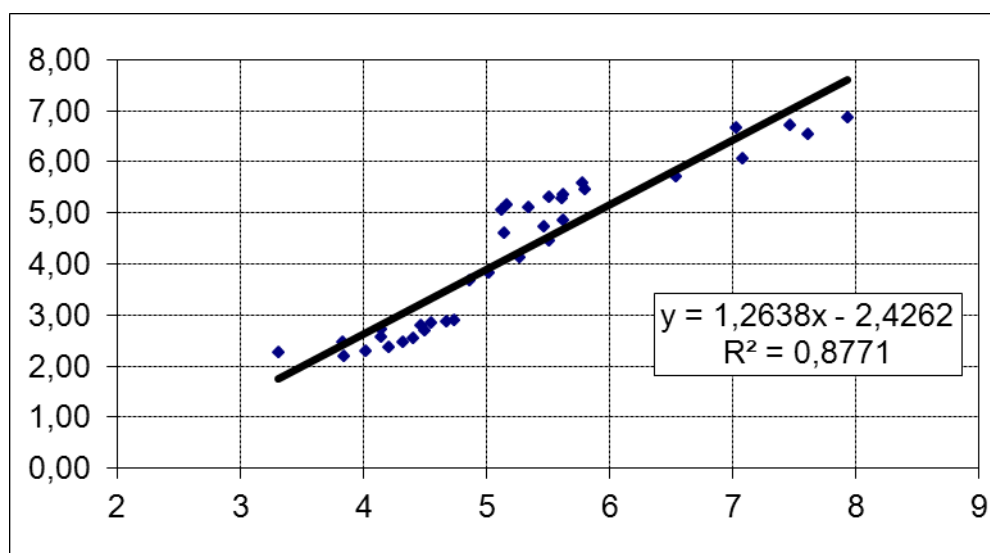


Fig. 2. The correlation yield different types of sorghum ChPF depending on species and varietal characteristics, fertilization and phases cultural development, g / m<sup>2</sup> per day (average for 2007-2009).

Conclusions. So, for the most productive photosynthetic active *Stu sorhovoyu* culture is among the studied hybrid sorghum sugar agricultural 5F. Dynamics of photosynthetic productivity of its wholly-mo dpovidaye dynamics yield of this crop. The most optimal stage of ontogeny for photosynthetic activity of plants sorghum is pe-riod mizhfanyy throwing panicles - milky-wax ripeness. We also Set-Lena ChPF direct correlation with yield crop seeds sorhovyyh that describes the regression equation  $y = 1,2638h - 2,4262$  ( $R^2 = 0,88$ ).