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VARIJABILNOST PRINOSA ZRNA DOMAĆIH HIBRIDA KUKURUZA (*Zea mays* L.) RAZLIČITIH FAO GRUPA ZRENJA

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U periodu 2012-2014 godine na tri lokaliteta u okolini Čačka analizirana je varijabilnost prinosa zrna 17 domaćih hibrida kukuruza (NS, ZP i AS hibridi), FAO grupa zrenja 400 -700. Hibridi su zasejani u tri ponavljanja, u svim ogledima u kataloški preporučenoj gustini. Izuzetno sušna je bila 2012. godina, 2013. godina se odlikovala umerenijim temperaturama u toku vegetacionog perioda i ravnomernijim rasporedom padavina, dok su uslovi za razvoj biljaka u 2014. godini bili veoma nepovoljni zbog izuzetno velike količine padavina, naročito u prvom delu vegetacije. Nezavisno od broja biljaka po jedinici površine, prinos zrna svih hibrida kukuruza bio je na višem nivou u 2013. i 2014. godini, u odnosu na 2012. godinu, uglavnom zbog veće količine i povoljnijeg rasporeda padavina u toku vegetacionog perioda. Visina prinosa zrna hibrida kukuruza po godinama zavisila je od FAO grupe zrenja. Najveći prinos zrna u 2012. godini imali su hibridi FAO grupe 400 i to: NS 4023 (8,6 t ha⁻¹), NS 4015 (8,3 t ha⁻¹), NS 4030 (7,9 t ha⁻¹) i AS 42 (7,9 t ha⁻¹). U 2013. i 2014. godini najveći prinos, preko 10 t ha⁻¹, ostvarili su hibridi različitih FAO grupa zrenja i to iz grupe 400: NS 4030 (10,8 t ha⁻¹), AS 42 (9,2 t ha⁻¹); grupe 500: NS 5051 (10,4 t ha⁻¹), NS 5043 (10,0 t ha⁻¹); grupe 600: ZP 606 (10,0 t ha⁻¹); i grupe 700: ZP 735 (10,0 t ha⁻¹).

Ključne reči: kukuruz, prinos zrna, FAO grupa zrenja

GRAIN YIELD VARIABILITY IN LOCAL MAIZE (*Zea mays* L.) HYBRIDS BELONGING TO DIFFERENT FAO MATURITY GROUPS

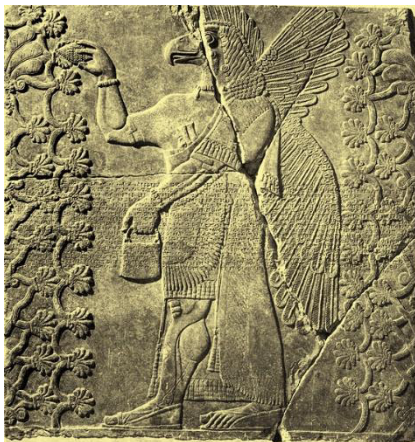
During 2012-2014, at three locations in the vicinity of Čačak, grain yield variability was analysed in 17 local maize hybrids (NS, ZP and AS hybrids) belonging to FAO maturity groups 400-700. In all experiments, the seeding rate recommended by the seed catalogue was used. The weather was extremely dry in 2012, moderate air temperatures during the growing season and uniformly distributed rainfall were characteristic of 2013, whereas 2014 was very unfavourable for plant development due to high rainfall extremes, particularly in the first part of the growing season. Regardless of the number of plants per unit area, the grain yield of all maize hybrids was higher in 2013 and 2014 than in 2012, mostly due to the higher amount of rainfall and its more favourable distribution throughout the growing season. Grain yield across years was dependent on FAO maturity group. The highest grain yield in 2012 was obtained in the FAO 400 hybrids: NS 4023 (8.6 t ha⁻¹), NS 4015 (8.3 t ha⁻¹), NS 4030 (7.9 t ha⁻¹) and AS 42 (7.9 t ha⁻¹). In 2013 and 2014, the highest yields, which exceeded 10 t ha⁻¹, were in hybrids belonging to different FAO maturity groups i.e. FAO 400 hybrids: NS 4030 (10.8 t ha⁻¹), AS 42 (9.2 t ha⁻¹); FAO 500 hybrids: NS 5051 (10.4



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