

**PRODUCTIVITY OF VELVETLEAF (*ABUTILON THEOPHRASTI* MEDIK.)
DEPEND ON ITS DENSITY IN CORN**

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Abstract. Field experiments were conducted in 2006 and 2008 at experimental field in Padinska Skela near Belgrade to quantify productivity of velvetleaf (*Abutilon theophrasti* Medik.) in corn. The density of velvetleaf artificially created and it ranged from 1 to 8 plants m⁻¹ of corn row. Productivity of velvetleaf were estimate based on plant aboveground biomass and parameters of capsule (number of capsules m⁻², number of capsules plant⁻¹, diameter of capsule, number of locules capsule⁻¹) and seed (seed weight m⁻², seed weight plant⁻¹, weight of 100 seeds) production. Differences between years in plant aboveground biomass of velvetleaf at the stage of inflorescence, as well as in some capsule and seed production parameters were very prominent. Generally, velvetleaf productivity in corn depends of its density, that is with increasing density of population decreases yield.

Keywords: aboveground biomass, capsule production, corn, seed production, velvetleaf.