



Intensification of agricultural production using stubble cropping under irrigation

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Studied in this paper was the cultivation on stubble of Novi Sad lines and cultivars of soybean belonging to different maturity groups (0, 00 and 000). Trials were carried out in 2000 and 2001. Sowing was done on two dates, namely the third ten-day period of June (after the early preceding crops) and the the first ten-day period of July (after winter wheat as the late preceding crop). On the first sowing date, growing 0 and 00 cultivars produced an average yield of 3.45 t ha⁻¹, ranging from 2.58 to 4.17 t ha⁻¹ according to cultivar. On the second date, 00 and 000 cultivars gave an average yield of 2.70 t ha⁻¹, ranging from 2.02 to 3.28 t ha⁻¹ depending on cultivar. For second sowings in late June, soybean cultivars from maturity groups 0 and 00 are recommended. The use of cultivars from maturity group 00 will give a more dependable production. For soybean sowing on stubble in early July, early cultivars and lines from maturity group 00 and 000 are recommended (the use of the latter will provide a more dependable production).