

PRODUCTIVE EFFICIENCY OF SOME SOYBEAN CULTIVARS IN RELATION TO SOWING DATES

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ABSTRACT

Nine soybean cultivars representing most of known maturity groups were evaluated at four planting dates, i.e. 1st, 15th, May, 1st and 15th June at the Experimental Station of National Research Center at Shalakan, Kalubia Governorate to evaluate their productive efficiency under different sowing dates. The results observed that the sowing date of 15th May gave the highest values for number of pods/plant, number of seeds/ pod, seed yield/ plant, oil percentage in seeds and seeds, oil and protein yields in (ton/fed) However, the sowing date of 15th June gave the highest value of seed index.

It is worthy to mention that yield and its components were significantly different between soybean cultivars. In addition, the combined analysis for the three growing seasons showed that Crawford cultivar gave the highest values for seed yield/fed, number of seeds per pod, seed yield / plant and seed index. On the other hand, Columbus cultivar gave the higher mean values for seeds, oil and protein yields/fed.