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**STUDYING THE INFLUENCE OF SOWING DATES ON THE GROWTH,
 DEVELOPMENT, YIELD AND QUALITY INDICATORS OF PEANUT
 VARIETIES IN THE IRRIGATED CONDITION
 OF TASHKENT REGION**

Khudaykulov Jonibek Bozarovich* ; Buriev Iskandar Astanovich ;
 Irrnazarov Shuxrat Ismatullayevich*** ; Shavkatova Zarnigor Shavkatkizi******

*Professor (DSC),
 TSAU, UZBEKISTAN

**Professor (DSC),
 KEEI, UZBEKISTAN

***Associate Professor (PhD),
 KEEI, UZBEKISTAN

**** Master Student,
 UZBEKISTAN

ABSTRACT

The peanut or groundnut (Arachishypogaea) is a species in the legume family (Fabaceae). There are different varieties like Virginia group, Spanish group, Runner group, Valencia group, Tennessee red and Tennessee white. Peanut consists of 30 essential nutrients and phytonutrients. Peanuts are a good source of vitamins and metals. Peanut hulls consist of crude fiber, cellulose, water, crude protein, ash and fat. This study was conducted in the experiment fields at the Plant Science Department of the Faculty of Agrobiolgy at Tashkent State Agrarian University in 2009-2011. The experiment was performed in a split-plot design with 3 repetitions. The goals of this study were to determine the appropriate planting date for peanut under the ecological conditions of Tashkent and to investigate the effect of different planting dates on some agronomic traits, yield, and yield components of 4 local peanut varieties: Tashkent-112, Kibray-4, Salomat and Mumtoz. It was determined that the planting date had a statistically significant effect on pod yield, days to maturity, days to 50% flowering date, number of pods per plant, plant height, shelling percentages,

pod yield per plant, and 1000 seed weight. The results showed that the suitable planting date was 5 May and the Mumtoz and local varieties were promising for Tashkent region conditions.

KEYWORDS: Peanut (*Arachishypogaea L.*), experiment, design, repetition, statistic, flowering, maturity, seed weight, pods, yield, oil.

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