EFFECT OF PLANT SPACING AND CULTIVARS ON GROWTH AND PRODUCTION OF PEA UNDER DRY LAND CONDITIONS

Abdulraheem S. Mohammed *                                  Maan Mohammed Salih**

*Assist. Prof. - Hort. & Land Scape Dept. College of Agric & Forestry-Univ. of Mosul - dr_albedri53@yahoo.com.
**Researcher Chief - Ninevha Research Station - Ministry of Agriculture.

ABSTRACT

Four Plant spacing (i.e. 10, 12, 14 and 16) cm. between Plants and two pea cultivars i.e. Santi and Parafield under dry land conditions Ninevah on two growth seasons 2009/2010 and 2010-2011. Results indicated that Plant spacing was affected significantly on number of days to 50% flowering, number of days to 90% maturation, first pod height, number of pods/plant, number of seeds/plant, weight of 100 seeds, biological yield and dry seed yield (economic yield) Kg/ha and harvest index in the two growing seasons. The second Plant spacing gave the highest dry seed yield (1323.74) kg/ha in the first growing season. Results indicated that Parafield cultivar gives the highest dry seed yield (1291.81) kg/ha in the first growing season.

Key words: Peas, Plant spacing, Cultivar.