ABSTRACT

Two field trials were carried out in the two successive seasons of 2008/2009 and 2009/2010 at the Agricultural Research Station, Sugar beet Industrial Factory, Fayoum Governorate, to study the effect of planting dates on growth characteristics, yield and quality of some sugar beet (Beta vulgaris L.) varieties. The present work included 30 treatments which were the combination between three planting dates, i.e. mid-June, mid-July and mid-August and five sugar beet varieties namely H.P.1., Baraka, Yamar, Sofy and Sprint.

Delaying planting date one month from mid-June to mid-August increased root yield (ton/fed). The highest root yield/fed were recorded by variety Sprint followed by H.P.1. and Yamar for the mean of two seasons. In general, late planting date (mid-August) gave the highest root yield ton/fed with variety Sprint.

Planting sugar beet lately on mid-August out yielded the other planting dates in sugar production followed by mid-July, and then by mid-June in a descending order. The highest sugar yield were recorded by sugar beet variety Baraka followed by Sprint and H.P.1. Planting sugar beet variety Yamar on mid-August gave the highest sugar yield per feddan under study.