

Yield and Berry Quality Of Some Grape Cultivars Grown In Riyadh Region.

Al-Saif, A. M.; Aly, M. A. and Bacha, M.A.

Plant Production Department, College of Agriculture, King Saud Univ., Saudi Arabia

Abstract. This study was carried out during 1997 and 1998 seasons to study and evaluate 12 cultivars of grapes: Taiefy, Des El-Anz, Sherify, Hegazy, Shamy, Kamaly, Halwany, Egemy, White Sheda, Roumi Red, Thompson Seedless and Beauty for yield, fruit quality and seed characteristics. Data revealed that, significant differences were found among grape cultivars in average number of clusters per vine. Halwany cultivar gave the higher average number of cluster per vine (21.50 cluster/vine) as compared with other cultivars, while Egemy, Roumi Red and Beauty gave the lowest number. Significant differences were found in length and width of fruit clusters among grape cultivars under study. Depending on fruit cluster shape, cultivars were divided to Wedged cultivars (Taiefy, Thompson seedless and Beauty), Cylindrical cultivars (Roumi Red, Halwany and Des El-Anz), while the remainder cultivars have conical cluster shape. Data also revealed that, Roumi Red and White Shada cultivars have a highest berry adherence strength from fruit cluster, while Thompson Seedless have a lowest one. Data showed that, berries of different cultivars contained different amount of total soluble solids, total acidity and moisture. Also, grape cultivars can be divided depending upon average seed number per berry to, seedless cultivar such as Thompson seedless, seedy cultivars such as Sherify, Hegazy, Shamy, Kamaly, Halwany, Egemy, White Sheda, Roumi Red and Beauty and low seedless cultivars (less than 2 seeds/berry) such as Taiefy and Des El-Anz.

