



EVALUATION OF SOME YEMENI GRAPE CULTIVARS ACCORDING TO THEIR PROPAGATION, AND FRUIT MORPHOLOGICAL CHARACTERS AND CHEMICAL PROPERTIES

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ABSTRACT

Study was conducted during 2008 - 2009 on five local grape cultivars: Gubery, Assemy, Aswed, Razeqi and Bayadh at the faculty of Agriculture—Thamar University . Cultivars were collected from Rawdha and Bany Husheish area – Sana'a Governorate. Morphological and physical characters of berry were determined and the chemical analysis for juice was also assessed. Finally, cuttings were taken from all cultivars and cultivated at the nurs-

ery. Data were collected and analyzed by SAS system according to the least significant difference at the probability level of 0.05 and the results showed that: Assemy cultivar gave the maximum value of berry weight of 8.5 g, whereas the lowest rate was for Razeqi cv. of 1.2 g. According to berry dimensions, berry length ranged between 1.6 - 2.6 cm and berry width 1.35-2.43 cm. Razeqi cv. gave the highest content of T.S.S (24.5%), whereas Gubery cv. contained the lowest value of 20.37%. pH value was between 3.98–4.77 and organic acids were between 0.35 -0.80%. Aswed cv. gave the highest rate of rooting percentage of 58% meanwhile, the lowest rate was found in the Razeqi cv. (6.75%).

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