

RELATIONSHIP BETWEEN FRUIT CRACKING AND SOME CHARACTERISTICS OF LEAVES, PHYSICAL AND QUALITY FRUITS OF FOUR FIG (FICUSCARICA L.) CULTIVARS

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ABSTRACT

An experiment was conducted in a private orchard at AL-Abbasyia, Najaf Governorate during the growing seasons of 2016 on fig cv. AswodDiala, Waziri, White Adriatic and Kadotato investigate the effect of leaf area, total chlorophyll, number lobate, deep lobate, petiole length, length of fruit, diameter of fruit, length petiole of fruit, weight of fruit, ostiolum diameter, % Total soluble solids, % titratable acidity, firmness, % dry matter in pulp, % dry matter in peel, % Calcium pectate, percentage of carbohydrate, percentage of N, P, K, Ca, Mg content in leaves and in fruits peel on percentage of total cracking of four Fig cultivars of second crop. Results showed that cv. Kadota have the best result of studied characteristics at the year of experiment. There was significant differences with correlations among leaves and fruits characters and the percentage of the nutrient N, P, K, Ca, Mg in leaves, fruits and percentage of total cracking of four fig cultivars.

KEYWORDS: Some Characters of Leaves, Fruits of Fig and Correlations with Cracking