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**Relationship between the density of Sidr trees
Ziziphus spina Christi and honey production**

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Abstract

The Sidr tree is the most important plant for honey production in yemen . Yemeni honey produced from Sidr trees *Ziziphus spina christi* occupied a high position and famous commercial reputation , as is considered the most expensive honey in the world ; because of its special characteristics The Yemenis during the past centaries were taking care of the Sidr trees . The objective of this paper was to study the relationship between the density of Sidr trees in different areas and the number of honeybee colonies in these areas , and the influence of this on the honey production .

The results showed that the significant negative correlation between the density of honeybee colonies (the numbers of honeybee colonies per the number of Sidr trees) and Quantity of honey production .The linear regression ($P < 0.01$) indicates that the honey production reduced 41.3% when a number of honeybee colonies increase one per one sidr tree

