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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

