

## **Evaluation the effect of time and rate of nitrogen application on Jahromi sweet lime**

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To determine the effect of time and rate of application of nitrogen on yield and quality of 15 years old Jahromi sweet lime an experiment was carried out in Jahrom's Agricultural Research Station for a period of 4 years in 1989-92. In this experiment 3 levels of "N" ( $N_1=50$ ,  $N_2=100$  and  $N_3=150$  kg/ha) as ammonium sulfate and 3 times of application as follow:

$T_1$ - April to June in four times.

$T_2$ - April, June and September in three times.

$T_3$ - April to September during six monthes in six times, were applied in a randomized block design with 144 trees in 4 replications. The results got from duncan's test showed that, the best treatment which produced the highest yield was "100 kg/h" and there was no different between  $N_3$  compared with  $N_2$  and  $N_1$ .

Comparing the times of nitrogen application showed that  $T_1$  and  $T_2$  produced more yield than  $T_3$  and there was no difference between  $T_1$  and  $T_2$ . The best intraction between N and T is  $T_2N_2$ . Above treatments had some effects on fruit quality that are explained in this paper.