

### **The direct effect of pollen on the parts of the seed and fruit outside the embryo sac, called (METAXENIA).**

In this experiment the effects of four kind of pollen from AHVAZ, BORAZJAN, BAM and JAHROM areas on phoenix dactylifera varwere studied the control pollen was.

The characteristics such as:Shahany a from Jahrom fruit length, fruit diameter rate of fruit length to fruit diameter, fruit weight, seed weight, pulp weight, rate of pulp weight to seed weight, total soluble solid (T.S.S.), percent of "khallal" and percent of "TAMAR" were reviewal in this experimental.

The results showed that the pollen of "BAM" had the most effect on fruit weight. and fruit diameter, while pollens of "BORAZJAN" had the most effect on fruit length than others pollens. The effect of pollens on amount of (T.S.S.) in others includes of "BORAZJAN", "AHVAZ", "JAHROM" and "BAM". The pollen of "AHVAZ" inhanced ripening percentage. "TAMAR" and decreased percent of "KHALLAL".