

## **A STUDY ON A NEW U.S. PATENT DATE PALM POLLINATOR**

**O. M. Al-Rawi**

**P.O. Box 6076, Mansur 12605, Baghdad, Iraq.**

A new date palm pollinator had been invented by me and registered in U.S. patent's office, under No (4,751,791), and registered in Iraq. This pollinator, which is very simple, can reach to eight meters long tree and work with a dry battery and can be used by one worker. This pollinator has been compared with other three types of pollinators on 2000 date palm for four years. The samples are taken in different areas and selected properly to prevent contamination, the study included the percent of fertilized date. The size of fruit and the total weight of the fruit and it included the coast of the pollination and the quantity of the pollen used. We found that this pollinator is faster than the others with 10% increase in the fruit weight and 15% improvement of the fertilized date with no change in fruit size. The quantity of the pollen used decreased about 80% with decrease in the coast of the pollination to about 16% of the manual. The durability of the pollinator had been watched during the study with an excellent result in relation to the other pollinators.