

## Evaluation of Interspecific Pollination of *Elaeis guineensis* and *Elaeis oleifera* Carried Out in the Ucayali Region-Peru

**Authors :** Victor Sotero, Cindy Castro, Ena Velazco, Ursula Monteiro, Dora Garcia

**Abstract :** The aim of this study is to carry out the evaluation of the artificial pollination of the female flowers of *E. oleifera* with pollen of *E. guineensis*, to obtain the hybrid Palma OXG, which presents two characteristics of interest, such as high resistance to the disease of spear rot and high concentration of oleic acid. The works were carried out with matrices from the experimental fields and INIA in the Province of Colonel Portillo in the Ucayali Region-Peru. From the pollination of five species of *E. oleifera*, fruits were obtained in two of them, called O7 and O68, with a percentage of 23.6% and 18.6% of fertile fruits. When germination was carried out in a controlled environment of temperature, air, and humidity, only the O17 species were germinated with a yield of 68.7%.

**Keywords :** *Elaeis oleifera*, *Elaeis guineensis*, palm OXG, pollination

**Conference Title :** ICAPST 2022 : International Conference on Agricultural Production Systems and Technologies

**Conference Location :** San Francisco, United States

**Conference Dates :** June 02-03, 2022