

TECMON-3, NEW SUNFLOWER VARIETY PRODUCED AT MONTERREY TECH.

Robles, S.R.,  
Department of Oil Crops, ITESM. Suc. Correos "J", Monterrey, N.L., Mexico.

Germoplasm introduced from other countries is an invaluable source in the formation of new varieties. The present research was carried out in the experimental station of Monterrey Tech. in Apodaca, N.L., a 25°46' north latitude and 420 m above sea level, with an annual precipitation around 500 mm initial trials whereby the adaptation and yield of 94 hybrids and varieties of sunflower introduced from Australia, USA, Roumania, Yugoslavia and Canada, were made. The variety Tecmon-2 (developed by the author) was used as control. Eighteen out of the 94 hybrids and varieties were selected based on their yield, early maturity, plant height (above 1.60 m) upright position of the head, and amenability to mechanical harvest. A balanced compound was made mixing seeds of 18 selected varieties. They were planted and open pollinated, getting new gene recombinations. After three cycles of stratified mass selection the variety Tecmon-3 was produced. This new synthetic variety, due to its high yield, early maturity (about 95 days), is highly recommended to be grown under season conditions in the semi arid regions of northeast Mexico.