

**T1988PRO72****RELATIVE PERFORMANCE AND OIL CONTENT OF THE SEED OF EIGHT OPEN POLLINATED SUNFLOWER CULTIVARS AT SAMARU, NIGERIA**

S.G. Ado\*, M.K. Ahmed\*\*, S.M. Misari\*\*\*, and J.D. Olarewaju\*

\* Department of Plant Science, \*\*Department of Agronomy, \*\*\* Department of Crop Protection, Institute for Agricultural Research, Ahmadu Bello University, P.M.B. 1044, Zaria, Nigeria

**SUMMARY**

Agronomic performance and chemical composition of the seed of eight open pollinated sunflower cultivars showed highly significant cultivar differences for number of leaves per plant, oil, protein and dry matter contents of the seed. No significant cultivar differences were observed for seed yield, plant height, head diameter and days to maturity. Cultivar x year interactions were not significant for all the characters except plant height and seed yield. The performance of the cultivars was generally better in 1985 than in 1986 for all the characters except for ash content of the seed which was slightly higher in 1986. The mean yields in the two years ranged from 439 kg per hectare for Saturn to 1339 kg per hectare for Funtua. Oil content of the seed in percent dry matter ranged from 23.6 for Peredovik to 38.9 for VNIIMK 8883.