

OIL CONTENT AND DRY MATTER ACCUMULATION IN MATURING SUNFLOWER SEEDS AS INFLUENCED BY NITROGEN, PHOSPHORUS AND PLANT POPULATION

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A field experiment on nitrogen, phosphorus and plant population was conducted in the University Farm during 1981-82 to study their effect on oil content and dry matter accumulation in maturing sunflower seeds. The dry weight of seed and oil content was increased as the crop approached maturity. On the contrary, the moisture content in seeds tended to decrease. Dry weight of seed was higher when nitrogen was applied either alone or in combination with phosphorus. Oil content was more when phosphorus was applied. There was not much variation in oil content among different plant population whereas dry matter accumulation was more in lower plant population (55.5 thousand plants/ha).