

## **Response of safflower to different levels of nitrogen, phosphorus and potassium.**

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Acta Agronomica Hungarica, 40 (1-2), pp. 87-92 (1991).

**Abstract :** Two field experiments were conducted to study the response of safflower to different levels of nitrogen, phosphorus and potassium fertilizers during 1985 and 1986 seasons.

Seed yield/ha, 100-seed weight, No. of heads/plant, weight of seeds/head, protein and oil contents of seed were significantly affected by N P K treatments. Highest seed yield/ha was obtained from the combination of (92 kg N  $\pm$  46 kg P  $\pm$  25 kg K followed by (92 kg N  $\pm$  46 kg P Protein content of seeds increased as nitrogen levels increased, while oil content decreased.

**Keywords:** safflower, *Carthamus tinctorius*L., P-and K-fertilizers, seed-yield.