

New Agriculturist, 20(1,2) : 59–62, 2009

SYNERGETIC EFFECT OF NITROGEN AND SULPHUR ON YIELD, N, P AND S CONTENT AND UPTAKE BY SUNFLOWER CROP IN INCEPTISOL

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Received June 21, 2009 and Accepted September 7, 2009

ABSTRACT : Field trials were conducted during 2004 and 2005 at soil science research farm, Allahabad Agricultural Institute-DU, Allahabad (U.P.) to study the conjunction effect of nitrogen and sulphur nutrition on sunflower. The crop yield and uptake of N, P and S was significantly increased upto 80 kg N/ha and 40 kg S/ha. However, significantly increase in the content of N, P and S was recorded upto the highest levels of nitrogen and sulphur. Concentration of nutrients was higher at pre-flowering stage which decreased with the advancement of crop growth.

Key Words: Nitrogen, sulphur, sunflower.