

COTTON RESPONSE TO NORWAGIAN NITROPHOS (23-23-0) AND NITROPHOSKA (15-15-15) COMPLEX FERTILIZERS UNDER D.I. KHAN CONDITION

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Received: 15-07-91

Accepted: 09-08-92

ABSTRACT

An experiment was conducted over a period of three years to study the effect of Nitrophos and Nitrophoska fertilizers and mixture of straight fertilizers and mixture of straight fertilizers on the yield of seed-cotton at Agricultural Research Station, D.I. Khan. A marked increase in yield was obtained with nitrogen and phosphorus and a lesser response to potash. 68 kg N plus 68 kg P_2O_5 per hectare applied in the form of 23-23-0 Norwegian complex fertilizer seems to be a suitable and economical for getting higher returns from cotton crop in Dera Ismail Khan.

INTRODUCTION

Nitrogen and phosphorus have proved to be the nutrients whose addition is necessary in our soils for increasing per acre yields of different crops. For balanced application of these major nutrients, there is now an increasing tendency to manufacture fertilizers with at least two or three major nutrients. Many new complex fertilizers are being imported by the Government of Pakistan. We should prefer those complex fertilizers which have more soluble P contents, since