Journal of Tropical Agriculture, Vol 43 (2005)

HOME ABOUT LOG IN REGISTER SEARCH CURRENT

ARCHIVES

Home > Vol 43 (2005) > Mahavishnan

Integrated nutrient management in cotton-sunflower cropping system in the sandy loam soils of north India

K. Mahavishnan, Mangal Prasad, K. Bhanu Rekha

Abstract

Two sets of field experiments were conducted during *kharif* and *rabi* seasons of 2002-' 03 and 2003-' 04 at New Delhi under irrigated conditions to formulate site-specific nutrient management strategies for cotton-sunflower cropping system. The *kharif* experiments on cotton consisted of eight treatments viz., 100% recommended dose of fertilizers (RDF; 60:30:30 N, P2O5 and K2O kg ha-1), 50% RDF, mung bean intercrop incorporation (MII), farm yard manure (FYM; 12 t ha-1), 50% RDF+MII, 50% RDF+FYM, 50% RDF+FYM+MII and control, and it was laid out in a randomized block design with three replications. For the succeeding sunflower crop (*rabi*), each cotton plot was subdivided into three, and 0, 50 and 100% RDF were applied adopting a split plot design. Highest values for seed cotton yield and NPK uptake were observed for the combined application of all three nutrient sources. Nutrient management of cotton also exerted a marked effect on seed yield and NPK uptake of the succeeding sunflower crop. However, direct application to sunflower had a more pronounced effect than the residual effects.

Full Text: PDF

JTA Vol 43 (2005)

TABLE OF CONTENTS

Reading Tools

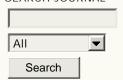
Integrated nutrie...

Mahavishnan, Prasad, Bhanu Rekha

Review policy
About the author
How to cite item
Indexing metadata
Print version
Look up terms
Notify colleague*
Email the author*

RELATED ITEMS
Author's work
Related studies
Government policy
Book searches
Relevant portals
Databases
Online forums
Data sets
Pay-per-view
Media reports
Web search

SEARCH JOURNAL



CLOSE

* Requires registration