

ISSN 0973-032X

JOURNAL OF AGRICULTURAL PHYSICS

Vol. 4

No. 1 & 2

2004



Indian Society of Agrophysics
Division of Agricultural Physics
Indian Agricultural Research Institute
New Delhi-110 012

Journal of Agricultural Physics

VOLUME 4

NUMBER 1 AND 2

JANUARY 2004

CONTENTS

1.	Efficient soil and water management for sustainable agriculture - J.S.P. YADAV	1
2.	Determination of least limiting water range of a sandy loam soil under bed and conventionally planted wheat - PRAMILA AGGARWAL, ANIL KUMAR SINGH, USHA KIRAN CHOPRA, ROJALIN TRIPATHY AND KARUN KUMAR CHOUDHARY	15
3.	Mechanical behaviour of salt affected alluvial soils - DIPANWITA HALDAR AND SUNDARA SARMA K.S.	22
4.	Validation of CERES-maize model under different planting dates and moisture regimes - DEEPAK PANT AND S.S. MATHAUDA	31
5.	Physical and compressional behaviour of bharat merino and magra wool - ANANTA VASHISTH AND S. PARATHASARTHY	35
6.	Bio-chemical characterization of ground water of IARI farm - E. NATRAJAN, B.R. YADAV, S.P.S. TOMAR and H. CHANDRASEKHARAN	40
7.	A forewarning model for mustard aphid on real time basis - PRASANTA NEOG, N.V.K. CHAKRAVARTY, A.K. SRIVASTAVA and GOUTAM BHAGAWATI	44