

Click www.researchjournal.co.in/online/subdetail.html to purchase.

RESEARCH PAPER

ADVANCE RESEARCH JOURNAL OF
C R P
IMPROVEMENT
Volume 6 | Issue 1 | June, 2015 | 20-23
..... e ISSN-2231-640X

Technically performance of alternative crop establishment in rice

DOI :
10.15740/HAS/ARJCI/6.1/20-23
Visit us: www.researchjournal.co.in

■ CHANDRA PRAKASH AND DHURUV KUMAR SINGH¹

AUTHORS' INFO

Associated Co-author :

¹Marathwada Institute of
Technology, BULANDSHAHR
(U.P.) INDIA

Author for correspondence:

CHANDRA PRAKASH
Marathwada Institute of Technology,
BULANDSHAHR (U.P.) INDIA
Email: cpsingh785@gmail.com

ABSTRACT : Traditionally rice (*Oryza sativa* L.) is transplanted after puddling which requires heavy amount of water and labour and affects the soil health due to dispersion of soil particles, increases soil compaction and make tillage operations difficult in succeeding crops requiring much energy. The direct seeding was done in puddled, un-puddled conditions and zero tillage fields, whereas, transplantation was done in zero tillage fields and on raised bed. Zero till establishment is used widely for many crops around the world but there has been less work on rice. This technology has potential to save time, energy, water and labour during rice establishment. It has been found that there was a problem of weed control in direct seeded rice particularly under un-puddled conditions.

KEY WORDS : DSR, Zero till DSR with residue, Zero till DSR without residue, Zero till MTR

How to cite this paper : Prakash, Chandra and Singh, Dhuruv Kumar (2015). Technically performance of alternative crop establishment in rice. *Adv. Res. J. Crop Improv.*, **6** (1) : 20-23.

Paper History : **Received** : 01.05.2014; **Revised** : 10.04.2015; **Accepted** : 11.05.2015