



# **ADB Project -‘Sustaining the Rice-Wheat Production Systems of South Asia (RETA No. 5945)’**

- **ADB Project duration was 2001-2004 .**
- **NARs internalized interesting developments in RCTs in their own systems.**
- **Capacity building within NARES for conservation agriculture.**
- **Eastern Gangetic Plains benefit more from RCTs. For higher profits- include maize, potato, *boro* and/ vegetable crop.**
- **Unpuddled transplanted / direct seeded rice - a potential option for water saving.**
- **Raised bed planting saves water & promotes diversification**
- **Acreage of zero-till wheat increased from 20k in 2000 to more than 1 million ha in 2003-04 with net saving of US\$ 75 million in 2003-04.**

# ADB Project 2001-2004

- **LCC/ Single basal, deep placement in residue retained conditions saved N upto 13-17% N in rice..**
- **Helped effecting a shift full to partial burning of crop residues.**
- **FIRB system introduced to open new options for diversification / inter-cropping in R-W systems.**
- **Capacity building in NARs.**
- **Challenge continues for extending 'no-till' practices developed for wheat to rice culture and promotion of a 'double no-till system' and residue management.**

## Rice-Wheat Establishment Options and Priority Matrix for Different IGP Transects

Wheat Rice	Conven. Tillage	O-Till	SS	<u>Red.Till</u> Tractor 2W / 4W		Bed- Plant, R/W
P-TR Conventional	General Practice	TUM	ML	ML	TU	NA
P-WSR	TU	TUM	ML	ML	TU	
NP-TR	TUM	TUM	TUM	ML	TU	TUM <sup>*</sup>
NP-DSR	TUM	TUM	TUM	ML	TU	TUM <sup>*</sup>
FIRB						TUM <sup>*</sup>

- Practiced in large areas in specific IGP Transacts

- **Important for many areas;**

- **May become important in many areas;**

\* **Scope for crop diversification**