

**Table. S1. Experimental details**

<b>Experiment</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Season</b>	Kharif 2012 (Wet) Rabi 2012-13 (Dry) Kharif 2013 (Wet) Rabi 2013-14 (Dry)	Kharif 2013 (Wet) Rabi 2013-14 (Dry) Kharif 2014 (Wet) Rabi 2014-15 (Dry)	Kharif 2015 (Wet) Rabi 2015-16 (Dry) Kharif 2016 (Wet) Rabi 2016-17 (Dry)	Kharif 2017 (Wet) Kharif 2018 (Dry)
<b>Cultivation methods</b>	SRI	SRI	-	-
	MSRI	MSRI	MSRI	MSRI
	-	-	DSR	-
	NTP	-	NTP	NTP
<b>Cultivar</b>	RP Bio 226	Varadhan	RNR 15048	RNR 15048
<b>Duration</b>	135 days	125 days	125 days	125 days
<b>Grain type</b>	Medium slender	Medium bold	Medium slender	Medium slender

**Table. S2. Physico-chemical properties of the experimental soil**

Particulars	Method of analysis
<b>Physical properties</b>	
Sand (%)	Bouyoucos hydrometer
Silt (%)	
Clay (%)	
Textural class	
<b>Physico-chemical properties</b>	
Soil pH	Jackson method
Electrical conductivity ( $\text{dsm}^{-1}$ )	Jackson method
<b>Chemical properties</b>	
Organic carbon (%)	Wet digestion method
Available nitrogen ( $\text{kg ha}^{-1}$ )	Alkaline permanganate method
Available phosphorus ( $\text{kg ha}^{-1}$ )	Olsen's extractant method
Available potassium ( $\text{kg ha}^{-1}$ )	Flame photometer