

Supplementary Materials

Figure S1. Mean monthly values of (a) total precipitation (b) maximum daily temperature, and (c) minimum daily temperature in the study area during the growing seasons of three study years during 1985-2015 (long-term).

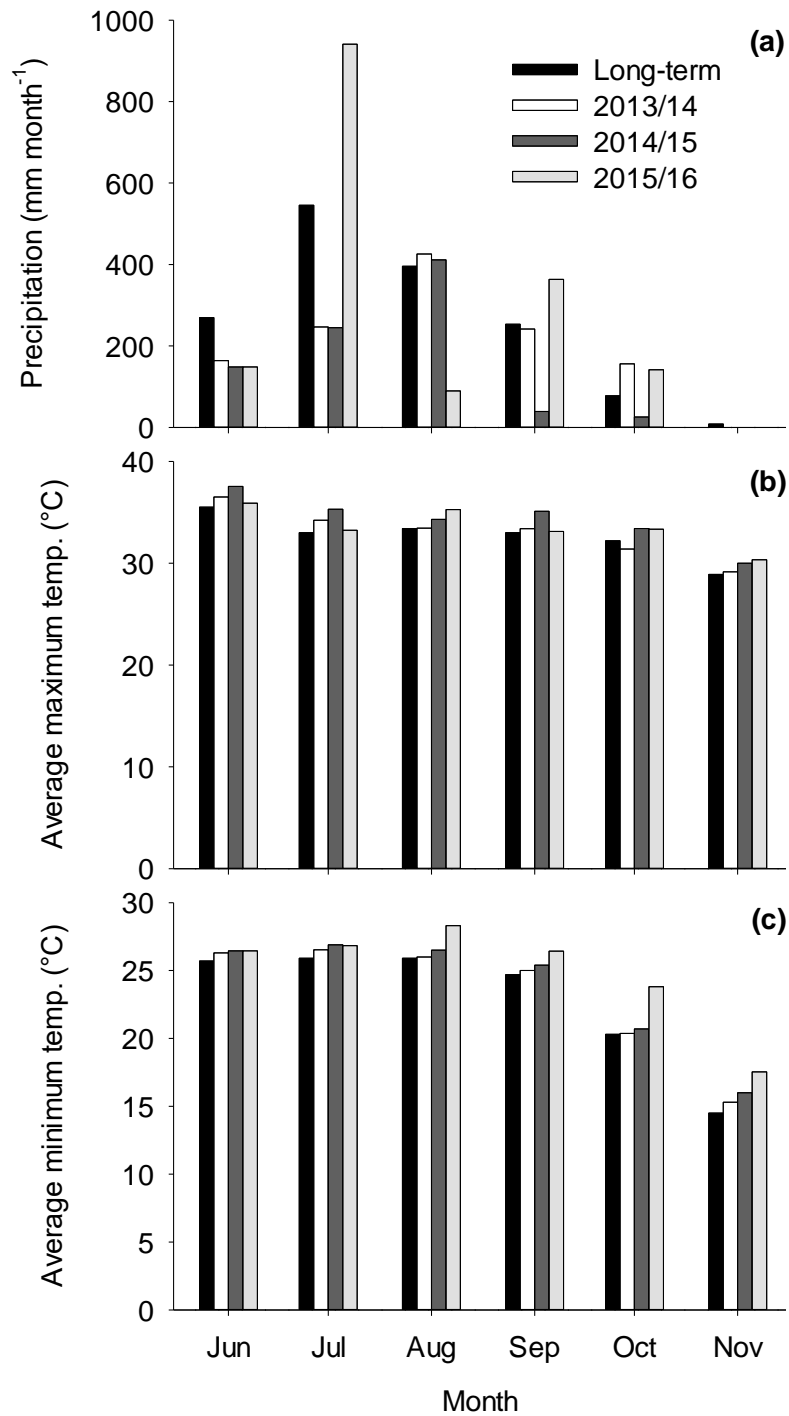


Table S1. Timeline of field operations during the study periods

Operations	Plots	Year-1 (2014)	Year-2 (2015)	Year-3 (2016)
Glyphosate spray (herbicide)	ZT plots	3 June	2 June	31 May
Rice seeding	ZT plots	24 June	17 June	16 June
Irrigation	ZT plots	10 July	8 July	8 July
Urea top-dressing	ZT plots	20 July	13 July	12 July
Rice transplanting	CT plots	27 July	19 July	12 July
Irrigation	All plots	10 August	1 August	25 July
Urea top-dressing	ZT plots	9 August	2 August	1 August
Nominee gold (herbicide) spray	CW plots	18 August	13 August	7 August
Urea top-dressing	CT plots	22 August	14 August	7 August
Irrigation	All plots	11 September	5 September	28 August
Urea top-dressing	CT plots	11 September	3 September	27 August
Irrigation	All plots	18 October	11 October	20 September
Irrigation	All plots			4 October
Harvesting	All plots	21 November	10 November	7 November

ZT: Zero tilled/tillage, CT: Conventional tilled/tillage, CW: Chemical weeding