

Supplementary Material

Table 1. Summary of AWD benefits in pump-irrigated systems.

Reference study	Study year and season	% savings of total water input	% reduction in time spent on irrigation	% reduction in fuel costs	Irrigation expansion (ha/farmer)
Deep well pump:					
P-38 ISC, Tarlac (Palis et al., 2004)	DS 2002	16			
	DS 2003	24			
P-38 ISC, Tarlac (Lampayan et al., 2014)	DS 2002	20			
	DS 2003	26			
P-38 ISC, Tarlac (Lampayan, et al., 2009)	DS 2003-2005		48	40% (USD 2,471/ha difference, real price, base year 2003)	
32 DWP, Tarlac (Lampayan et al., 2009)	DS 2005			48% (php 4,873/ha difference)	
25 DWP, Tarlac (Rejesus et al., 2011)	DS 2005		38%		
Shallow tube wells:					
Galbadon & Dolores, Tarlac (Lampayan et al., 2004)	DS 2002-2003	13			
Sto. Domingo, Nueva Ecija (Lampayan, et al., 2015)	DS 2008	28			
	DS 2009	24			
Gravity-based systems:					

Bohol Irrigation System (BIS) 1 (Valdivia et al., 2016)	DS ,WS 2005; 2010		0.2ha
Solid-G IA, Bohol BIS (Lampayan et al., 2015)	DS 2008		
Rinconada Integrated Irrigation System, Camarines Sur (Rejesus et al., 2017)	DS 2016- 2017	19	

Source: Authors' compilation from sources indicated. DS = Dry Season; WS = Wet Season.
 Converted from Pesos to USD an exchange rate of PHP 1 is to USD 48.