

Table S1: Literatures behind the basis of selection of drip irrigations treatments

Author	Recommended ET_0 under Drip Irrigation	Crop	Type of experiment	Country of Origin
Wang and Xing (2017)	75% ET_0	Tomato	Glasshouse study	China
Antony and Singandhupe (2004)	80% ET_0	Capsicum	Field study	India
Shrivantava et al. (1994)	80% ET_0 (with plastic mulching)	Tomato	Field study	India
Zhang et al.	80% ET_0 (with plastic mulching)	Tomato	Field study	Chaina
Brahmachari et al. (2017)	80% ET_0 (with straw mulching)	Tomato	Field study	India

References:

- Wang, X., & Xing, Y. (2017). Evaluation of the effects of irrigation and fertilization on tomato fruit yield and quality: a principal component analysis. *Scientific Reports*, 7(1), 1-13.
- Antony, E., & Singandhupe, R. B. (2004). Impact of drip and surface irrigation on growth, yield and WUE of capsicum (*Capsicum annum* L.). *Agricultural water management*, 65(2), 121-132.
- Shrivastva, P. K., Parikh, M. M., Swani, N. G., & Raman, S. (1994). Effect of irrigation and mulching on tomato yield. *Agric Water Manage*, 25, 179-184.
- Zhang, H., Xiong, Y., Huang, G., Xu, X., & Huang, Q. (2017). Effects of water stress on processing tomatoes yield, quality and water use efficiency with plastic mulched drip irrigation in sandy soil of the Hetao Irrigation District. *Agricultural Water Management*, 179, 205-214.
- Brahmachari, K., Nanda, M.K., Saha, H., Goswami, R., Ray., K, Sarkar, S. and Ghosh, A. 2017. Annual report of the project on Cropping systems intensification in the salt affected coastal zones of Bangladesh and West Bengal, India (CSI4CZ). Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India. pp. 1-88

Table S2: Effect of drip and surface irrigation on yield of tomato

Irrigation treatment	Fruit yield (t ha ⁻¹)	
	2016-17	2017-18
Surface	42.31	46.055
Surface + Mulching	52.94	51.315
Drip 100 % ET ₀	53.68	58.725
Drip 80 % ET ₀	55.533	50.53
Drip 80 % ET ₀ + Mulching	58.58	61.44

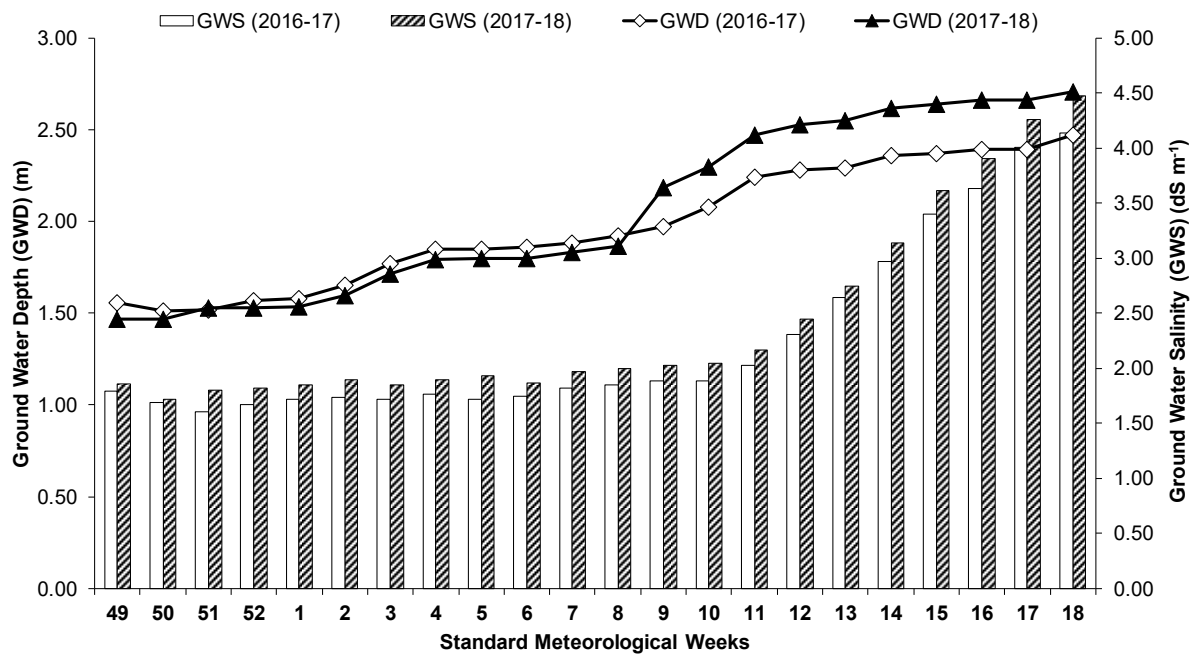


Fig. S1. Ground water depth and salinity of the experimental site

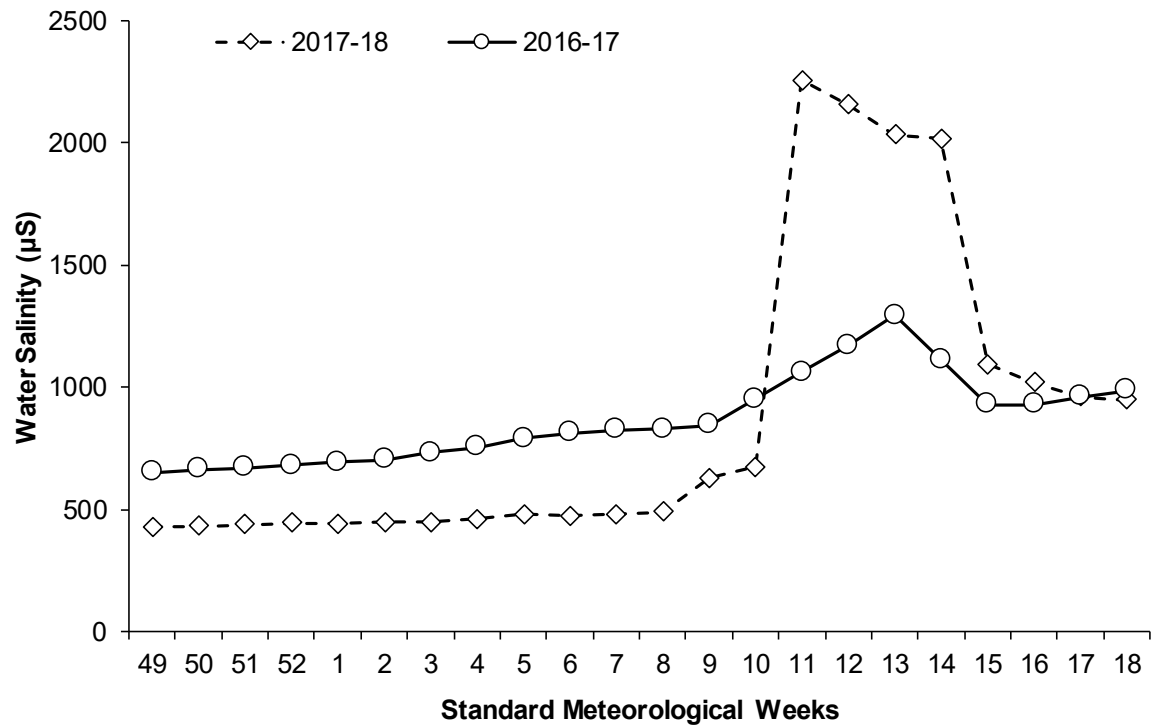


Fig. S2. Surface water (used for surface and drip irrigation) salinity of the experimental site