

Table 6. Soil water balance of the *Chauka* system in the monsoon period of 2019 (July-September) and 2020 (July-September) considering different ponding depths.

Water Balance Components	2019		2020	
	Ponding depth (mm)		Ponding depth (mm)	
	0	6.5	0	6.5
Rainfall (P), mm	700	700	760	760
Evaporation (E), mm	150.71	151.44	183.21	186.51
Potential Recharge (R_e) mm	186.60	222.25	177.05	258.44
Runoff (Q_r), mm	313.77	259.19	239.96	179.99
Root water uptake (T), mm	90.213	87.11	89.51	80.21
Water balance ($P-E-R_e-Q_r-T$), mm	-41.29	-19.99	70.27	54.85
Change in storage (dv), mm	-17.43	-17.35	72.28	72.57
Absolute error (%)	3.40	0.37	0.26	2.33