

Fig. 1 Location of experimental site and schematic of instrumentation

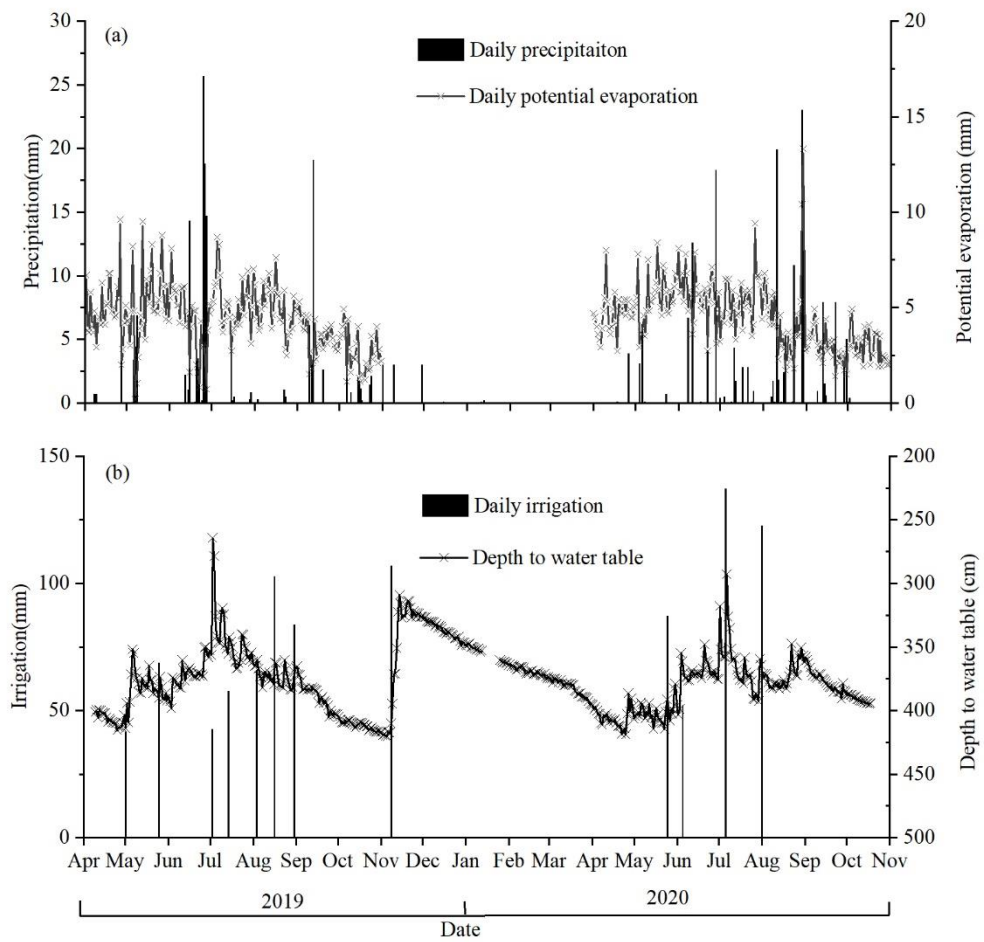


Fig. 2 Daily series of precipitation, potential evaporation, irrigation and depth to water table from April 1, 2019 to October 31, 2020.

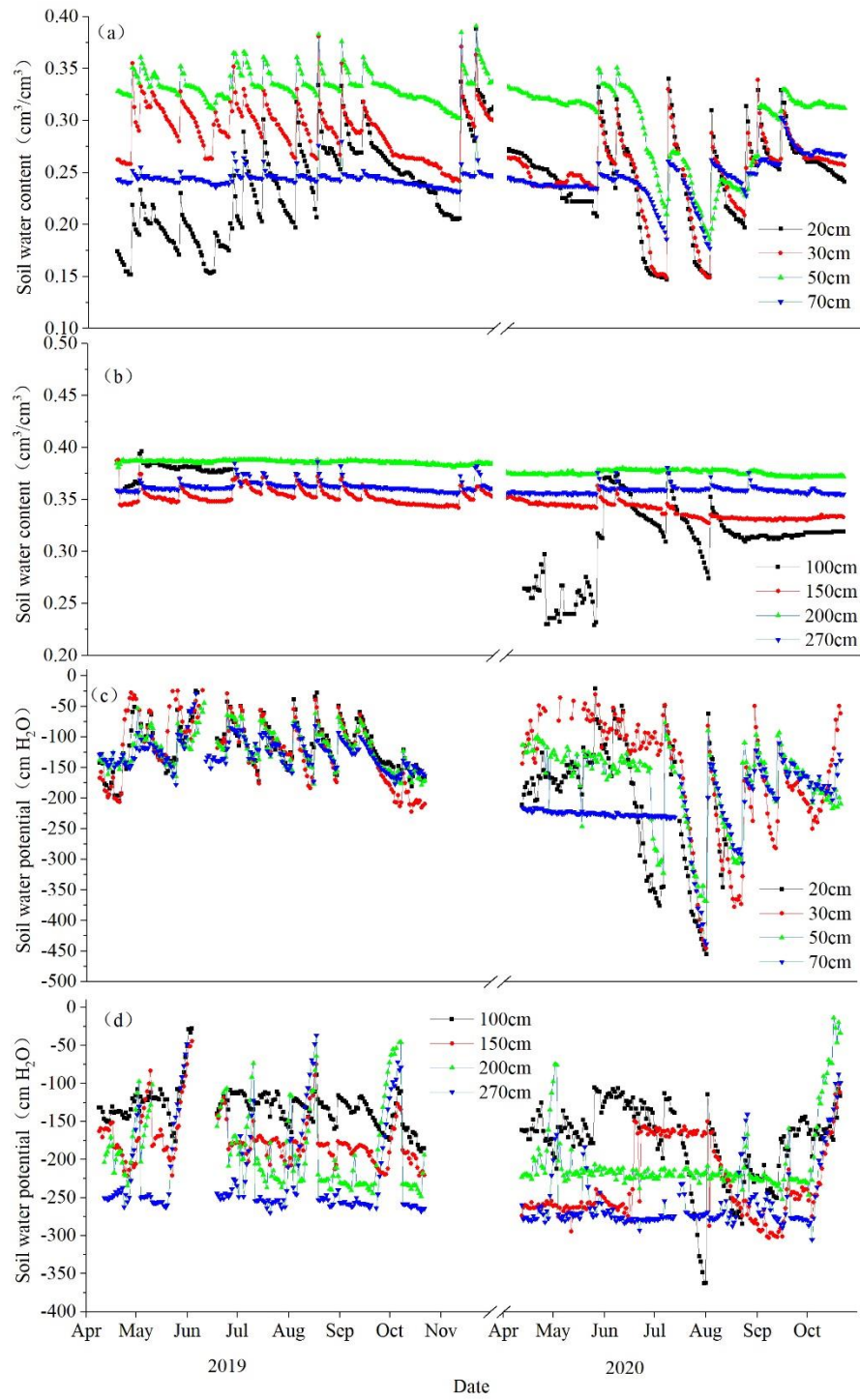


Fig. 3 Temporal variation in soil water content (a, b) and soil water potential (c, d) at eight depths in 2019 and 2020.

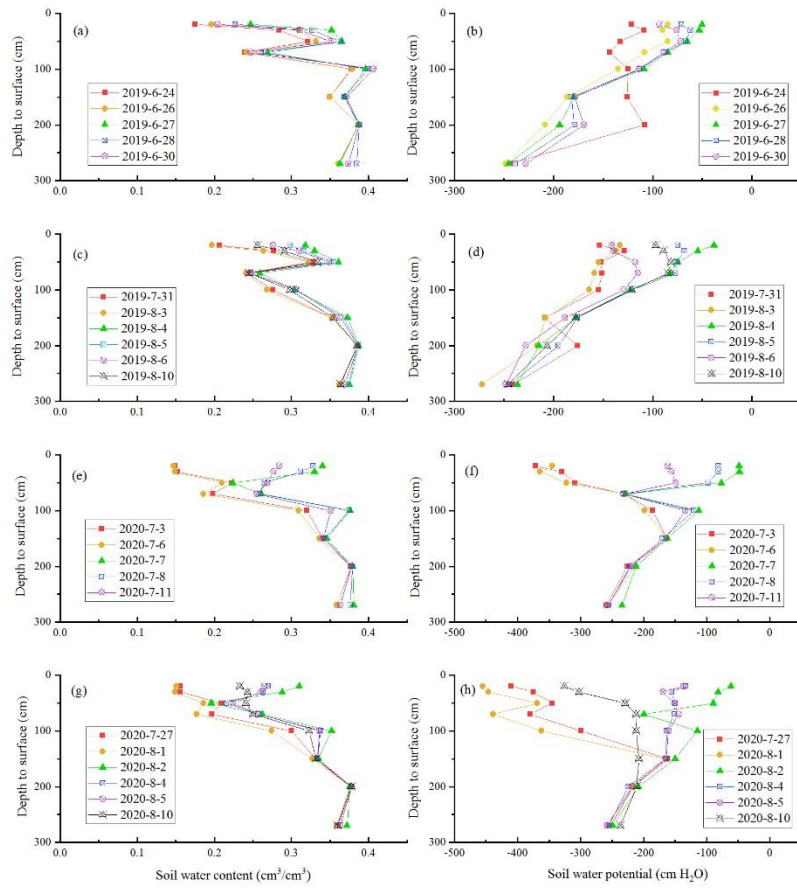


Fig. 4 Variations of the SWCs and SWPs at various depths before and after the precipitation (a, b) or irrigation event (c, d, e, f, g, h) in 2019 and 2020

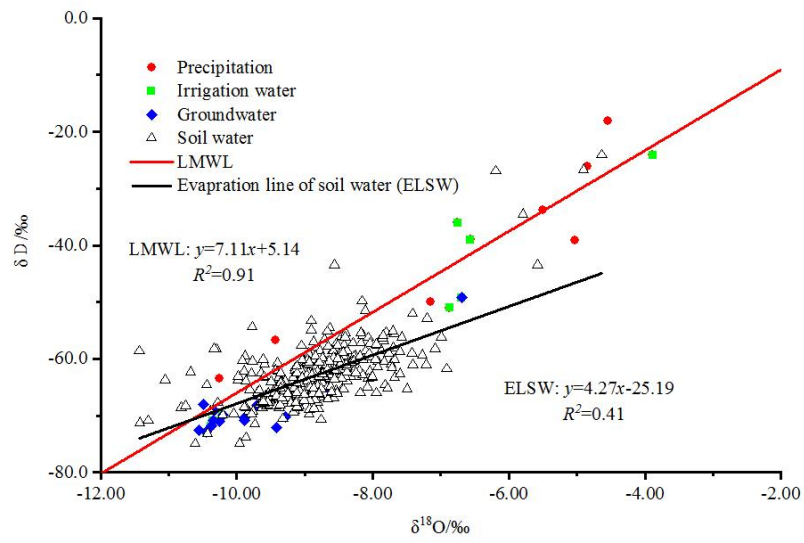


Fig. 5 Plots of  $\delta D$  and  $\delta^{18}O$  for Precipitation, irrigation water, groundwater and soil water in the study area. The red and black lines represent the local meteoric water line (LMWL) and evaporation line of soil water (ELSW), respectively.