

Supplementary Table S1. Irrigation water (m³) amounts of the three irrigation regimes during the growth stages of faba bean

Irrigation	Sowing to emergence	Plant developing to flowering	Flowering to pod reaching to final length	Seed developing	Ripening to maturity	Total irrigation (m ³ /ha)
	1-12 Nov	13 Nov-20 Dec	21 Dec-25 Jan	26 Jan-15 Feb	16 Feb-20 March	
Normal, WW	350	650	750	830	1,420	4,000
Moderate drought, MD	350	475	550	600	1,025	3,000
Severe drought, SD	350	300	350	370	630	2,000