

Table S1. Meteorological statistics Gonbad Kavous Agricultural Research Station in 2020

Month	rain (mm)	Min absolute temperature	Max absolute tempe	Average temperature	Number of days below zero	Relative humidity %	evaporation (mm)	Average min temperature	Average max temperature
Oct	22.9	7.7	36	22.3	-	61	113.2	14.4	30.3
Nov	56.4	1.7	30.9	15.1	-	72	48.3	8.6	21.6
Dec	11.9	-0.5	16.8	11.8	1	74	38	5.4	18.1
Jan	16.4	-0.5	28.8	10.4	1	66	43	3.8	17.1
Feb	68.4	-2.1	31.7	9.9	6	64	51.9	2.8	17
Mar	65.9	0.4	26.9	12.4	-	77	46.1	5.8	19
Apr	93.2	0	30.3	13.7	1	81	51.4	8.2	19.3
May	40.6	8.4	36.1	19.6	0	73	99.5	12.9	26.3
June	2.4	12.8	46.9	27.6	0	48	225.4	18.7	36.4
Total	398	-2.1	46.9	17.2	9	66.5	966	10.28	23.77

Table S2. Meteorological statistics Gonbad Kavous Agricultural Research Station in 2021

Month	rain (mm)	Min absolute temperature	Max absolute tempe	Average temperature	Number of days below zero	Relative % humidity	evaporation (mm)	Average min temperature	Average max temperature
Oct	30.4	6.9	32.4	20.3	0	57	112.12	13	27.6
Nov	16.5	1.5	37.2	16.5	0	66	70.1	10.1	23
Dec	31.9	-4	20	8.9	4	78	24.8	4.2	13.6
Jan	31.8	-3.1	29.6	8.3	9	72	40.2	1.9	14.7
Feb	24.5	-3.9	30.1	10.2	6	71	47.1	2.9	17.6
Mar	62.2	-5.7	35.9	9.1	11	73	43.6	2.7	15.5
Apr	16.6	2.6	34.3	16.6	0	67	99.1	9.5	23.6
May	20	12.2	43.8	22.3	0	62	149	14.9	29.8
June	12.2	14.8	46.5	28.2	0	50	225.9	20.1	36.3
Total	246.1	-5.7	46.5	15.6	30	66.22	716.8	8.81	22.41