

Supplementary materials

Table S1. Effect of the interaction between irrigation intervals and CMS lines on plant traits during the 2020 and 2021 seasons.

CMS lines	Irrigation intervals	NOL		DCLN		FLA (cm)		PH (cm)	
		2020	2021	2020	2021	2020	2021	2020	2021
L1	CF	19.49a	20.04a	100.33a	101.89a	29.22d	30.56d	118.04a	120.23a
	I ₆	18.68ab	19.26ab	99.03b	100.59b	27.75f	29.09f	112.26c	114.45c
	I ₉	17.92bc	18.50bc	98.58c	100.15c	26.53g	27.87g	108.04e	110.23e
	I ₁₂	17.32c	17.90c	97.81d	99.37d	26.64g	27.98g	105.84g	108.04g
	I ₁₅	16.24d	16.82d	96.67e	98.23e	25.48h	26.82h	102.51i	104.69i
L2	CF	16.29d	16.87d	81.15f	82.71f	33.83a	35.17a	113.24b	115.43b
	I ₆	15.48de	16.06de	80.76f	82.32f	31.30b	32.64b	109.29d	111.48d
	I ₉	15.03e	15.61e	80.06g	81.62g	30.53c	31.87c	107.02f	109.21f
	I ₁₂	15.16e	15.74e	79.59h	81.15h	28.75e	30.09e	103.72h	105.93h
	I ₁₅	14.15f	14.73f	78.52i	80.08i	27.76f	29.10f	100.95j	103.14j

a,b,c,d,e,f,g,h,i, and j: values in the same CMS line, column, and season not sharing similar letters are significantly different ($P > 0.05$).

Table S2. Effect of interaction between the irrigation intervals and CMS lines on plant floral traits in both seasons.

CMS lines	Irrigation intervals	PL (cm)		PE (%)		DSO (min)	
		2020	2021	2020	2021	2020	2021
L1	CF	23.86a	23.91a	73.37a	75.62a	161.13c	161.24d
	I ₆	22.95bc	23.00bc	67.41c	69.66c	156.54e	156.56e
	I ₉	23.08b	23.13b	60.71f	62.96f	151.26f	150.72g
	I ₁₂	21.07e	21.13e	67.05c	69.30c	143.56g	141.42i
	I ₁₅	21.53d	21.58d	64.98d	67.23d	132.94i	131.46j
L2	CF	22.74c	22.79c	70.11b	72.36b	171.54a	171.70a
	I ₆	21.48d	21.53d	67.05c	69.63c	163.86b	165.25b
	I ₉	21.03e	21.08e	65.32d	67.57d	157.42d	162.37c
	I ₁₂	20.74f	20.79f	63.04e	65.29e	151.39f	154.31f
	I ₁₅	19.75g	19.80g	61.14f	63.39f	138.59h	142.86h

a,b,c,d,e,f,g,h,i, and j: values in the same column and season not sharing similar letters are significantly different ($P > 0.05$).

Table S3. Effect of interaction between the CMS lines and irrigation periods on panicle traits and yield during the 2020 and 2021 seasons.

CMS Lines	Irrigation intervals	PW (g)		SS (%)		SY (t ha ⁻¹)		HI (%)		NFP	
		2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
L1 X R	CF	3.17a	3.31a	31.92a	39.40a	1.850a	1.935a	19.23a	20.44a	20.38a	21.39a
	I ₆	2.83c	3.12c	27.29a	30.12c	1.424c	1.537c	17.88c	19.08c	19.31b	20.06b
	I ₉	2.51e	2.78e	22.71d	25.46f	1.312e	1.391e	16.82d2	17.78e	18.37d	19.17d
	I ₁₂	2.16g	2.42g	20.55e	23.15f	1.226g	1.290g	15.57e	16.48g	16.78e	17.72e
	I ₁₅	1.78i	2.04i	12.79g	15.27h	0.958i	1.041i	13.21g	14.26i	10.48h	11.51g
L2 X R	CF	3.13b	3.16b	32.00a	35.12b	1.606b	1.744b	18.73b	19.44b	18.67c	19.51c
	I ₆	2.72d	2.97d	24.50c	27.31d	1.365d	1.468d	16.88d	18.26d	16.73e	17.36f
	I ₉	2.42f	2.67e	20.69e	23.42f	1.267f	1.351f	15.68e	17.06f	15.21f	16.14g
	I ₁₂	2.09h	2.36h	18.19f	20.87g	1.162h	1.238h	14.43f	15.81h	13.43g	14.06h
	I ₁₅	1.73j	1.99j	11.53h	14.09i	0.921j	1.000j	12.49h	13.87j	9.29i	10.11j

a,b,c,d,e,f,g,h,i, and j: values in the same column and season not sharing similar letters are significantly different

(P > 0.05).