

Table (2): Effect of irrigation levels, dipping of microelements and their interaction on plant height (cm) and number of ear/plant

Micronutrients soaking treatments (B) Irrigation levels (A)	Control	Fe	Fe+Mn	Fe +Mn+Zn	Fe+Mn+Zn +Cu	Mean (A)
	Plant height (cm)					
100%	150.66	183.30	178.60	199.00	209.96	184.30
85%	171.23	185.26	191.76	190.76	177.33	183.27
70%	169.33	189.56	199.90	203.33	195.73	191.57
Mean (B)	163.74	186.04	190.08	197.70	194.34	
L.S.D. at 5%	For (A)= 9.35 For (B) = 12.06 For (A x B) = 20.91					
	Number of rows/ear					
100%	12.16	12.30	13.46	12.53	12.30	12.55
85%	12.73	14.80	13.73	12.76	12.43	13.29
70%	10.75	13.30	13.10	14.23	13.70	13.01
Mean (B)	11.88	13.46	13.43	13.17	12.81	
L.S.D. at 5%	For (A)= NS For (B) = NS For (A x B) = NS					

Table (3): Effect of irrigation levels, dipping of microelements and their interaction on Ear Length and ear diameter (cm)

Micronutrient soaking treatments (B) Irrigation levels (A)	Control	Fe	Fe+ Mn	Fe+ Mn+ Zn	Fe+ Mn+ Zn +Cu	Mean (A)
	<i>Ear length</i>					
100%	15.73	14.43	17.86	17.70	15.60	16.26
85%	16.63	17.80	17.20	17.40	16.76	17.16
70%	14.25	15.10	17.43	17.63	17.43	16.37
Mean (B)	15.53	15.77	17.50	17.57	16.60	
L.S.D. at 5%	For (A)=NS For (B) = NS For (A x B) = NS					
	<i>Ear diameter</i>					
100%	13.30	13.26	15.00	16.10	14.13	14.36
85%	13.66	15.30	15.33	14.56	14.93	14.76
70%	12.70	14.03	15.06	15.10	15.06	14.39
Mean (B)	13.22	14.20	15.13	15.25	14.71	
L.S.D. at 5%	For (A)= NS For (B) = NS For (A x B) = NS					

Table (4): Effect of irrigation levels, dipping of microelements and their interaction on shelling (%), and 100-grain weight (g)

Micronutrients soaking treatments (B) Irrigation levels (A)	Control	Fe	Fe+Zn	Fe+Zn +Mn	Fe+Zn +Mn +Cu	Mean (A)
	Shelling (%)					
100%	75.46	68.03	57.36	49.16	56.50	61.30
85%	63.60	45.30	55.20	51.30	67.00	56.48
70%	57.20	53.86	62.90	58.40	60.70	58.61
Mean (B)	65.42	55.73	58.48	52.95	61.40	
L.S.D. at 5%	For (A)= 2.85 For (B) = 3.67 For (A x B) = 6.38					
	100-grain weight (g)					
100%	33.00	33.66	39.33	39.66	35.33	36.20
85%	36.33	38.33	42.33	38.00	33.00	37.60
70%	36.66	36.00	38.50	37.00	37.33	37.10
Mean (B)	35.33	36.00	40.05	38.22	35.22	
L.S.D. at 5%	For (A)= 1.10 For (B) = 1.42 For (A x B) = 2.44					

Table (5): Effect of irrigation levels, dipping of microelements and their interaction on grain yield per plant (gm) and hectare (kg)

Irrigation levels (A)	Micronutrients soaking treatments (B)					Mean (A)
	Control	Fe	Fe+ Mn	Fe+ Mn+ Zn	Fe+ Mn+ Zn +Cu	
	Grain weight g/plant					
100%	75.00	123.11	147.88	157.66	151.00	130.93
85%	150.00	170.22	163.55	156.22	140.55	156.11
70%	163.44	147.88	148.33	160.11	163.00	156.55
Mean (B)	129.48	147.07	153.259	158.00	151.25	
L.S.D. at 5%	For (A)= 2.26 For (B) = 2.91 For (A x B) = 5.06					
	Grain yield kg/ha					
100%	5000	8207	9859	10511	10067	8729
85%	10000	11348	10904	10415	9370	10407
70%	10896	9859	9889	10674	10867	10437
Mean (B)	8632	9805	10217	10533	10101	
L.S.D. at 5%	For (A)= 151 For (B) = 195 For (A x B) = 338					