

Table 2 : The quality parameters of cotton as affected by different treatments

Sr. No.	Treatments details	Ginning percentage (%)	Seed index (g)	Lint index (%)	Staple length (mm)	Bundle strength (g tex ⁻¹)	Maturity coefficient (%)	Fibre fineness (miltex)
1.	T ₁ : ST of Atonik 0.3% @ 3 ppm	35.77	6.72	3.70	30.60	46.91	0.62	4.18
2.	T ₂ : FS of Atonik 0.3% @ 0.1%	35.92	6.65	3.77	30.64	47.06	0.78	4.25
3.	T ₃ : FS of Atonik 0.3% @ 0.25%	36.07	6.64	3.79	30.67	47.11	0.83	4.28
4.	T ₄ : FS of Atonik 0.3% @ 0.5%	35.86	6.71	3.72	30.62	46.98	0.71	4.22
5.	T ₅ : FS of NAA @ 20 ppm	36.28	6.49	3.92	30.74	47.80	0.92	4.35
6.	T ₆ : FS of NAA @ 40 ppm	36.16	6.57	3.85	30.71	47.12	0.89	4.32
7.	T ₇ : FS of water	35.69	6.80	3.64	30.53	46.85	0.57	4.17
8.	T ₈ : Untreated control	35.61	6.88	3.59	30.49	46.52	0.51	4.16
	S.E.±	0.01	0.01	0.01	0.01	0.02	0.01	0.01
	C.D. (P=0.05)	0.03	0.03	0.03	0.03	0.05	0.03	0.03
	General Mean	35.93	6.68	3.75	30.63	47.04	0.73	4.24

ST: Seed Treatment FS: Foliar Spray

From the results of the present experimentation, it can be concluded that for maximization of higher seed cotton yield, better quality of cotton fibre, foliar Spray of NAA as growth regulator @ 20 ppm at tiny square formation stage (first bloom stage and boll setting stage) should be adopted under irrigated cotton crop in deep black soils of scarcity zone of western Maharashtra.

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