

Supplementary Materials

Table S1. Lycopene content.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	59.66107	1	59.66107	9.815999	0.006419	4.493998	Variety	9881.636	1	9881.636	982.6004	8.59E-16	4.493998	Variety	149.0515	1	149.0515	13.6486	0.001965	4.493998
Treatments	12485.54	3	4161.848	684.7463	4.23×10 ⁻¹⁷	3.238872	Treatments	4778.191	3	1592.73	158.3764	4.17E-12	3.238872	Treatments	80649.37	3	26883.12	2461.679	1.59×10 ⁻²¹	3.238872
Interaction	9155.776	3	3051.925	502.1314	4.95×10 ⁻¹⁶	3.238872	Interaction	21168.05	3	7056.017	701.6293	3.49E-17	3.238872	Interaction	13241.4	3	4413.8	404.1702	2.75×10 ⁻¹⁵	3.238872
Within	97.24707	16	6.077942				Within	160.9059	16	10.05662				Within	174.7303	16	10.92065			
Total	21798.23	23					Total	35988.78	23					Total	94214.55	23				

Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety						
Dependent Variable: LSD							Dependent Variable: LSD							Dependent Variable: LSD						
(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
				Lower Bound	Upper Bound						Lower Bound	Upper Bound					Lower Bound	Upper Bound		
AgNO3	Control	-36.9433*	1.86070	0.000	-41.2341	-32.6525	AgNO3	Control	-73.8267*	2.93455	0.000	-80.5937	-67.0596	AgNO3	Control	-118.2167*	2.70941	0.000	-124.4646	-111.9688
	H2O2	5.9000*	1.86070	0.013	1.6092	10.1908		H2O2	13.6000*	2.93455	0.002	6.8329	20.3671		H2O2	-125.7433*	2.70941	0.000	-131.9912	-119.4954
	Putrescine	-100.1000*	1.86070	0.000	-104.3908	-95.8092		Putrescine	-80.0467*	2.93455	0.000	-86.8137	-73.2796		Putrescine	-136.3867*	2.70941	0.000	-142.6346	-130.1388
Control	AgNO3	36.9433*	1.86070	0.000	32.6525	41.2341	Control	AgNO3	73.8267*	2.93455	0.000	67.0596	80.5937	Control	AgNO3	118.2167*	2.70941	0.000	111.9688	124.4646
	H2O2	42.8433*	1.86070	0.000	38.5525	47.1341		H2O2	87.4267*	2.93455	0.000	80.6596	94.1937		H2O2	-7.5267*	2.70941	0.024	-13.7746	-1.2788

	Putrescine	-63.1567*	1.86070	0.000	-67.4475	-58.8659		Putrescine	-6.2200	2.93455	0.067	-12.9871	0.5471		Putrescine	-18.1700*	2.70941	0.000	-24.4179	-11.9221
H2O2	AgNO3	-5.9000*	1.86070	0.013	-10.1908	-1.6092		AgNO3	-13.6000*	2.93455	0.002	-20.3671	-6.8329		AgNO3	125.7433*	2.70941	0.000	119.4954	131.9912
	Control	-42.8433*	1.86070	0.000	-47.1341	-38.5525		Control	-87.4267*	2.93455	0.000	-94.1937	-80.6596		Control	7.5267*	2.70941	0.024	1.2788	13.7746
	Putrescine	-106.0000*	1.86070	0.000	-110.2908	-101.7092		Putrescine	-93.6467*	2.93455	0.000	-100.4137	-86.8796		Putrescine	-10.6433*	2.70941	0.004	-16.8912	-4.3954
Putrescine	AgNO3	100.1000*	1.86070	0.000	95.8092	104.3908		AgNO3	80.0467*	2.93455	0.000	73.2796	86.8137		AgNO3	136.3867*	2.70941	0.000	130.1388	142.6346
	Control	63.1567*	1.86070	0.000	58.8659	67.4475		Control	6.2200	2.93455	0.067	-0.5471	12.9871		Control	18.1700*	2.70941	0.000	11.9221	24.4179
	H2O2	106.0000*	1.86070	0.000	101.7092	110.2908		H2O2	93.6467*	2.93455	0.000	86.8796	100.4137		H2O2	10.6433*	2.70941	0.004	4.3954	16.8912

Based on observed means.

The error term is Mean Square(Error) = 5.193.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 12.917.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 11.011.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
					Lower Bound	Upper Bound						Lower Bound	Upper Bound					Lower Bound	Upper Bound	
AgNO3	Control	-0.3067	2.15446	0.890	-5.2749	4.6615	AgNO3	Control	43.8633*	2.19026	0.000	38.8126	48.9141	AgNO3	Control	-168.2700*	2.68700	0.000	-174.4662	-162.0738
	H2O2	-6.1967*	2.15446	0.021	-11.1649	-1.2285		H2O2	25.2533*	2.19026	0.000	20.2026	30.3041		H2O2	-155.2933*	2.68700	0.000	-161.4896	-149.0971
	Putrescine	-11.7867*	2.15446	0.001	-16.7549	-6.8185		Putrescine	50.2600*	2.19026	0.000	45.2092	55.3108		Putrescine	-62.5133*	2.68700	0.000	-68.7096	-56.3171
Control	AgNO3	0.3067	2.15446	0.890	-4.6615	5.2749	Control	AgNO3	-43.8633*	2.19026	0.000	-48.9141	-38.8126	Control	AgNO3	168.2700*	2.68700	0.000	162.0738	174.4662
	H2O2	-5.8900*	2.15446	0.026	-10.8582	-0.9218		H2O2	-18.6100*	2.19026	0.000	-23.6608	-13.5592		H2O2	12.9767*	2.68700	0.001	6.7804	19.1729
	Putrescine	-11.4800*	2.15446	0.001	-16.4482	-6.5118		Putrescine	6.3967*	2.19026	0.019	1.3459	11.4474		Putrescine	105.7567*	2.68700	0.000	99.5604	111.9529
H2O2	AgNO3	6.1967	2.15446	0.021	1.2288	11.16	H2O2	AgNO3	-25.25	2.19026	0.000	-30.3	-20.2	H2O2	AgNO3	155.29	2.68700	0.000	149.0	161.4

	O3	*	46		5	49		O3	33*	26		041	026		O3	33*	00		971	896
	Contr	5.8900	2.154	0.026	0.921	10.85		Contr	18.610	2.190	0.000	13.55	23.66		Contr	-12.97	2.687	0.001	-19.17	-6.78
	ol	*	46		8	82		ol	0*	26		92	08		ol	67*	00		29	04
	Putres	-5.590	2.154	0.032	-10.55	-0.62		Putres	25.006	2.190	0.000	19.95	30.05		Putres	92.780	2.687	0.000	86.58	98.97
	c	0*	46		82	18		cine	7*	26		59	74		cine	0*	00		38	62
Putrescine	AgN	11.786	2.154	0.001	6.818	16.75		AgN	-50.26	2.190	0.000	-55.3	-45.2		AgN	62.513	2.687	0.000	56.31	68.70
	O3	7*	46		5	49		O3	00*	26		108	092		O3	3*	00		71	96
	Contr	11.480	2.154	0.001	6.511	16.44		Contr	-6.396	2.190	0.019	-11.4	-1.34		Contr	-105.7	2.687	0.000	-111.9	-99.5
	ol	0*	46		8	82		ol	7*	26		474	59		ol	567*	00		529	604
	H2O2	5.5900	2.154	0.032	0.621	10.55		H2O2	-25.00	2.190	0.000	-30.0	-19.9		H2O2	-92.78	2.687	0.000	-98.97	-86.5
		*	46		8	82			67*	26		574	559			00*	00		62	838

Based on observed means.

The error term is Mean Square(Error) = 6.963.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 7.196.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 10.830.

*. The mean difference is significant at the 0.05 level.

Table S2. Total Carotenoid content.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	247.04	1	247.0	2.195	0.157	4.493	Variety	22291	1	2229	1364.	6.44E	4.493	Variety	41527	1	4152	684.9	1.46E	4.493
Treatments	25821	3	8607	765.0	1.76E	3.238	Treatments	57294.	3	1909	116.8	4.31E	3.238	Treatments	21132	3	7044	1161.	6.33E	3.238
Interaction	14077	3	4692	417.1	2.14E	3.238	Interaction	31278	3	1042	638.0	7.42E	3.238	Interaction	48785	3	1626	268.2	6.91E	3.238
Within	1800	16	112.5				Within	2614.6	16	163.4				Within	9700.6	16	606.2			
Total	40103	23					Total	59561	23					Total	30261	23				
	9							0.6							08					

Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety						
Dependent Variable:							Dependent Variable:							Dependent Variable:						
LSD							LSD							LSD						
(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
				Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound	
AgNO3	Control	-255.6667*	8.45577	0.000	-275.1657	-236.1676	AgNO3	Control	-210.0000*	12.67544	0.000	-239.2296	-180.7704	AgNO3	Control	-937.3333*	18.62495	0.000	-980.2826	-894.3841
	H2O2	-79.3333*	8.45577	0.000	-98.8324	-59.8343		H2O2	-66.6667*	12.67544	0.001	-95.8963	-37.4371		H2O2	-331.3333*	18.62495	0.000	-374.2826	-288.3841
	Putrescine	-368.0000*	8.45577	0.000	-387.4990	-348.5010		Putrescine	-320.0000*	12.67544	0.000	-349.2296	-290.7704		Putrescine	-839.3333*	18.62495	0.000	-882.2826	-796.3841
Control	AgNO3	255.6667*	8.45577	0.000	236.1676	275.1657	Control	AgNO3	210.0000*	12.67544	0.000	180.7704	239.2296	Control	AgNO3	937.3333*	18.62495	0.000	894.3841	980.2826
	H2O2	176.3333*	8.45577	0.000	156.8343	195.8324		H2O2	143.3333*	12.67544	0.000	114.1037	172.5629		H2O2	606.0000*	18.62495	0.000	563.0508	648.9492
	Putrescine	-112.3333*	8.45577	0.000	-131.8324	-92.8343		Putrescine	-110.0000*	12.67544	0.000	-139.2296	-80.7704		Putrescine	98.00000*	18.62495	0.001	55.0508	140.9492
H2O2	AgNO3	79.3333*	8.45577	0.000	59.8343	98.8324	H2O2	AgNO3	66.6667*	12.67544	0.001	37.4371	95.8963	H2O2	AgNO3	331.3333*	18.62495	0.000	288.3841	374.2826

Putrescine	Contr ol	-176.3 333*	8.455 77	0.000	-195. 8324	-156. 8343	Putrescine	Contr ol	-143.3 333*	12.67 544	0.000	-172. 5629	-114. 1037	Putrescine	Contr ol	-606.0 000*	18.62 495	0.000	-648. 9492	-563. 0508
	Putres cine	-288.6 667*	8.455 77	0.000	-308. 1657	-269. 1676		Putres cine	-253.3 333*	12.67 544	0.000	-282. 5629	-224. 1037		Putres cine	-508.0 000*	18.62 495	0.000	-550. 9492	-465. 0508
	AgN O3	368.00 00*	8.455 77	0.000	348.5 010	387.4 990		Putrescine	AgN O3	320.00 00*	12.67 544	0.000	290.7 704		349.2 296	Putrescine	AgN O3	839.33 33*	18.62 495	0.000
Putrescine	Contr ol	112.33 33*	8.455 77	0.000	92.83 43	131.8 324	Putrescine	Contr ol	110.00 00*	12.67 544	0.000	80.77 04	139.2 296	Putrescine	Contr ol	-98.00 00*	18.62 495	0.001	-140. 9492	-55.0 508
	H2O2	288.66 67*	8.455 77	0.000	269.1 676	308.1 657		H2O2	253.33 33*	12.67 544	0.000	224.1 037	282.5 629		H2O2	508.00 00*	18.62 495	0.000	465.0 508	550.9 492

Based on observed means.

Based on observed means.

Based on observed means.

The error term is Mean Square(Error) = 107.250.

The error term is Mean Square(Error) = 241.000.

The error term is Mean Square(Error) = 520.333.

*. The mean difference is significant at the 0.05 level.

*. The mean difference is significant at the 0.05 level.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Multiple Comparisons for Bullet Chilli Variety

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

Dependent Variable:

Dependent Variable:

LSD

LSD

LSD

(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound
AgNO3	Contr ol	-31.33 33*	8.860 02	0.008	-51.7 646	-10.9 021	AgNO3	Contr ol	-49.33 33*	7.564 54	0.000	-66.7 772	-31.8 895	AgNO3	Contr ol	-715.0 000*	21.48 255	0.000	-764. 5389	-665. 4611
	H2O2	-254.3 333*	8.860 02	0.000	-274. 7646	-233. 9021		H2O2	-137.0 000*	7.564 54	0.000	-154. 4439	-119. 5561		H2O2	-448.0 000*	21.48 255	0.000	-497. 5389	-398. 4611
	Putres cine	-216.3 333*	8.860 02	0.000	-236. 7646	-195. 9021		Putres cine	200.66 67*	7.564 54	0.000	183.2 228	218.1 105		Putres cine	-208.6 667*	21.48 255	0.000	-258. 2055	-159. 1278
Control	AgN O3	31.333 3*	8.860 02	0.008	10.90 21	51.76 46	Control	AgN O3	49.333 3*	7.564 54	0.000	31.88 95	66.77 72	Control	AgN O3	715.00 00*	21.48 255	0.000	665.4 611	764.5 389
	H2O2	-223.0 000*	8.860 02	0.000	-243. 4312	-202. 5688		H2O2	-87.66 67*	7.564 54	0.000	-105. 1105	-70.2 228		H2O2	267.00 00*	21.48 255	0.000	217.4 611	316.5 389
	Putres cine	-185.0 000*	8.860 02	0.000	-205. 4312	-164. 5688		Putres cine	250.00 00*	7.564 54	0.000	232.5 561	267.4 439		Putres cine	506.33 33*	21.48 255	0.000	456.7 945	555.8 722
H2O2	AgN O3	254.33 33*	8.860 02	0.000	233.9 021	274.7 646	H2O2	AgN O3	137.00 00*	7.564 54	0.000	119.5 561	154.4 439	H2O2	AgN O3	448.00 00*	21.48 255	0.000	398.4 611	497.5 389
	Contr ol	223.00 00*	8.860 02	0.000	202.5 688	243.4 312		Contr ol	87.666 7*	7.564 54	0.000	70.22 28	105.1 105		Contr ol	-267.0 000*	21.48 255	0.000	-316. 5389	-217. 4611
	Putres	38.000	8.860	0.003	17.56	58.43		Putres	337.66	7.564	0.000	320.2	355.1		Putres	239.33	21.48	0.000	189.7	288.8

	cine	0*	02		88	12		cine	67*	54		228	105		cine	33*	255		945	722
Putrescine	AgN	216.33	8.860	0.000	195.9	236.7	Putrescine	AgN	-200.6	7.564	0.000	-218.	-183.	Putrescine	AgN	208.66	21.48	0.000	159.1	258.2
	O3	33*	02		021	646		O3	667*	54		1105	2228		O3	67*	255		278	055
	Contr	185.00	8.860	0.000	164.5	205.4		Contr	-250.0	7.564	0.000	-267.	-232.		Contr	-506.3	21.48	0.000	-555.	-456.
	H2O2	-38.00	8.860	0.003	-58.4	-17.5		H2O2	-337.6	7.564	0.000	-355.	-320.		H2O2	-239.3	21.48	0.000	-288.	-189.
		00*	02		312	688			667*	54		1105	2228			333*	255		8722	7945

Based on observed means.

The error term is Mean Square(Error) = 117.750.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 85.833.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 692.250.

*. The mean difference is significant at the 0.05 level.

Table S3. Total Sugar Content.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	11634	1	1163	4211.	8.28E	4.493	Variety	11097	1	110	2706.	2.8E-	4.493	Variety	337.5	1	337.	17.08	0.000	4.493
	3.4		43.4	525	-21	998		6		976	732	19	998		5		5	861	779	998
Treatments	45415.	3	1513	547.9	2.48E	3.238	Treatments	10980	3	366	892.7	5.15E	3.238	Treatments	15972	3	532	269.5	6.64E	3.238
	13		8.38	955	-16	872		3		01	073	-18	872		4		4	696	-14	872
Interaction	12526	3	4175	1511.	7.78E	3.238	Interaction	74259	3	247	603.7	1.15E	3.238	Interaction	43264.	3	144	730.2	2.54E	3.238
	9.1		6.38	543	-20	872		3		53	317	-16	872		5		21.5	025	-17	872
Within	442	16	27.62				Within	656	16	41				Within	316	16	19.7			
			5													5				
Total	28746	23					Total	29569	23					Total	59890	23				
	9.6							4												

Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety						
Dependent Variable: LSD							Dependent Variable: LSD							Dependent Variable: LSD						
(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
				Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound	
AgNO3	Control	-17.000*	3.240	0.001	-24.4723	-9.5277	AgNO3	Control	35.0000*	4.77842	0.000	23.9809	46.0191	AgNO3	Control	-105.0000*	3.74166	0.000	-113.6283	-96.3717
	H2O2	106.000*	3.240	0.000	98.5277	113.4723		H2O2	0.0000	4.77842	1.000	-11.0191	11.0191		H2O2	-135.0000*	3.74166	0.000	-143.6283	-126.3717
	Putresc	83.0000*	3.240	0.000	75.5277	90.4723		Putresc	193.0000*	4.77842	0.000	181.9809	204.0191		Putresc	-45.0000*	3.74166	0.000	-53.6283	-36.3717
Control	AgNO3	17.0000*	3.240	0.001	9.5277	24.4723	Control	AgNO3	-35.0000*	4.77842	0.000	-46.0191	-23.9809	Control	AgNO3	105.0000*	3.74166	0.000	96.3717	113.6283
	H2O2	123.0000*	3.240	0.000	115.5277	130.4723		H2O2	-35.0000*	4.77842	0.000	-46.0191	-23.9809		H2O2	-30.0000*	3.74166	0.000	-38.6283	-21.3717
	Putresc	100.0000*	3.240	0.000	92.5277	107.4723		Putresc	158.0000*	4.77842	0.000	146.9809	169.0191		Putresc	60.0000*	3.74166	0.000	51.3717	68.6283
H2O2	AgNO3	-106.000*	3.240	0.000	-113.6283	-98.5277	H2O2	AgNO3	0.0000	4.77842	1.000	-11.0191	11.0191	H2O2	AgNO3	135.0000*	3.74166	0.000	126.3717	143.6283

	O3	000*	37		4723	277		O3		842		191	91		O3	00*	166		717	283
	Contr ol	-123.0 000*	3.240 37	0.000	-130. 4723	-115. 5277		Contr ol	35.000 0*	4.77 842	0.000	23.98 09	46.01 91		Contr ol	30.000 0*	3.74 166	0.000	21.37 17	38.62 83
	Putre sc 00*	3.240 37	0.000	-30.4 723	-15.5 277	Putre sc 00*		4.77 842	0.000	181.9 809	204.0 191	Putre sc 0*	3.74 166		0.000	81.37 17	98.62 83			
Putrescine	AgN O3	-83.00 00*	3.240 37	0.000	-90.4 723	-75.5 277	Putrescine	AgN O3	-193.0 000*	4.77 842	0.000	-204. 0191	-181. 9809	Putrescine	AgN O3	45.000 0*	3.74 166	0.000	36.37 17	53.62 83
	Contr ol	-100.0 000*	3.240 37	0.000	-107. 4723	-92.5 277		Contr ol	-158.0 000*	4.77 842	0.000	-169. 0191	-146. 9809		Contr ol	-60.00 00*	3.74 166	0.000	-68.6 283	-51.3 717
	H2O2	23.000 0*	3.240 37	0.000	15.52 77	30.47 23		H2O2	-193.0 000*	4.77 842	0.000	-204. 0191	-181. 9809		H2O2	-90.00 00*	3.74 166	0.000	-98.6 283	-81.3 717

Based on observed means.

The error term is Mean Square(Error) = 15.750.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 34.250.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 21.000.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) VAR00001		Mean Differ ence (I-J)	Std. Erro r	Sig.	95% Confidence Interval		(I) VAR00001	Mean Differ ence (I-J)	Std. Erro r	Sig.	95% Confidence Interval		(I) VAR00001	Mean Differ ence (I-J)	Std. Erro r	Sig.	95% Confidence Interval			
					Low er Boun d	Upp er Boun d					Low er Boun d	Upp er Boun d					Low er Boun d	Upp er Boun d		
AgNO3	Contr ol	263.00 00*	5.131 60	0.000	251.1 665	274.8 335	AgNO3	Contr ol	-246.0 000*	5.64 210	0.000	-259. 0107	-232. 9893	AgNO3	Contr ol	122.00 00*	3.76 386	0.000	113.3 205	130.6 795
	H2O2	17.000 0*	5.131 60	0.011	5.166 5	28.83 35		H2O2	-176.0 000*	5.64 210	0.000	-189. 0107	-162. 9893		H2O2	104.00 00*	3.76 386	0.000	95.32 05	112.6 795
	Putre scine	35.000 0*	5.131 60	0.000	23.16 65	46.83 35		Putre scine	-70.00 00*	5.64 210	0.000	-83.0 107	-56.9 893		Putre scine	0.0000 386	3.76 386	1.000	-8.67 95	8.679 5
Control	AgN O3	-263.0 000*	5.131 60	0.000	-274. 8335	-251. 1665	Control	AgN O3	246.00 00*	5.64 210	0.000	232.9 893	259.0 107	Control	AgN O3	-122.0 000*	3.76 386	0.000	-130. 6795	-113. 3205
	H2O2	-246.0 000*	5.131 60	0.000	-257. 8335	-234. 1665		H2O2	70.000 0*	5.64 210	0.000	56.98 93	83.01 07		H2O2	-18.00 00*	3.76 386	0.001	-26.6 795	-9.32 05
	Putre scine	-228.0 000*	5.131 60	0.000	-239. 8335	-216. 1665		Putre scine	176.00 00*	5.64 210	0.000	162.9 893	189.0 107		Putre scine	-122.0 000*	3.76 386	0.000	-130. 6795	-113. 3205
H2O2	AgN O3	-17.00 00*	5.131 60	0.011	-28.8 335	-5.16 65	H2O2	AgN O3	176.00 00*	5.64 210	0.000	162.9 893	189.0 107	H2O2	AgN O3	-104.0 000*	3.76 386	0.000	-112. 6795	-95.3 205
	Contr ol	246.00 00*	5.131 60	0.000	234.1 665	257.8 335		Contr ol	-70.00 00*	5.64 210	0.000	-83.0 107	-56.9 893		Contr ol	18.000 0*	3.76 386	0.001	9.320 5	26.67 95

	Putrescine	18.000	5.131	0.008	6.166	29.83		Putrescine	106.00	5.64	0.000	92.98	119.0		Putrescine	-104.0	3.76	0.000	-112.	-95.3	
		0*	60		5	35			00*	210		93	107			000*	386		6795	205	
Putrescine	AgNO ₃	-35.00	5.131	0.000	-46.8	-23.1	Putrescine	AgNO ₃	70.000	5.64	0.000	56.98	83.01	Putrescine	AgNO ₃	0.0000	3.76	1.000	-8.67	8.679	
		00*	60		335	665			0*	210		93	07				0000	386		95	5
	Control	228.00	5.131	0.000	216.1	239.8		Control	-176.0	5.64	0.000	-189.	-162.		Control	122.00	3.76	0.000	113.3	130.6	
		00*	60		665	335			000*	210		0107	9893			00*	386		205	795	
	H ₂ O ₂	-18.00	5.131	0.008	-29.8	-6.16		H ₂ O ₂	-106.0	5.64	0.000	-119.	-92.9		H ₂ O ₂	104.00	3.76	0.000	95.32	112.6	
		00*	60		335	65			000*	210		0107	893			00*	386		05	795	

Based on observed means.

The error term is Mean Square(Error) = 39.500.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 47.750.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 21.250.

*. The mean difference is significant at the 0.05 level.

Table 4. Total Reducing Sugar content.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	0.4293	1	0.429	196.2	2.12	4.493	Variety	0.1320	1	0.132	50.37	2.53	4.493	Variety	0.1134	1	0.113	40.51	9.38	4.493
Treatments	0.6139	3	0.204	93.54	2.33	3.238	Treatments	0.5120	3	0.170	65.12	3.48	3.238	Treatments	0.1579	3	0.052	18.79	1.7E-	3.238
Interaction	0.7084	3	0.236	107.9	7.89	3.238	Interaction	0.7200	3	0.240	91.57	2.74	3.238	Interaction	1.3369	3	0.445	159.1	4.02	3.238
Within	0.035	16	0.002	188			Within	0.0419	16	0.002	605	E-10	872	Within	0.0448	16	0.002	8		
Total	1.7866	23					Total	1.4059	23					Total	1.6530	23				
	63							83							63					

Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety						
Dependent Variable: LSD							Dependent Variable: LSD							Dependent Variable: LSD						
(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
				Lower Bound	Upper Bound						Lower Bound	Upper Bound					Lower Bound	Upper Bound		
AgNO3	Contr ol	.5000*	0.039	0.000	0.409	0.590	AgNO3	Contr ol	0.0533	0.041	0.231	-0.04	0.148	AgNO3	Contr ol	.1300*	0.040	0.013	0.035	0.224
	H2O2	.2800*	0.039	0.000	0.189	0.370		H2O2	-0.060	0.041	0.183	-0.15	0.034		H2O2	-.3600*	0.040	0.000	-0.45	-0.26
	Putres cine	.8800*	0.039	0.000	0.789	0.970		Putres cine	.2733*	0.041	0.000	0.178	0.368		Putres cine	.4300*	0.040	0.000	0.335	0.524
Control	AgNO3	-.5000*	0.039	0.000	-0.59	-0.40	Control	AgNO3	-0.053	0.041	0.231	-0.14	0.041	Control	AgNO3	-.1300*	0.040	0.013	-0.22	-0.03
	H2O2	-.2200*	0.039	0.001	-0.31	-0.12		H2O2	-.1133*	0.041	0.025	-0.20	-0.01		H2O2	-.4900*	0.040	0.000	-0.58	-0.39
	Putres cine	.3800*	0.039	0.000	0.289	0.470		Putres cine	.2200*	0.041	0.001	0.125	0.314		Putres cine	.3000*	0.040	0.000	0.205	0.394
H2O2	AgNO3	-.2800*	0.039	0.000	-0.37	-0.18	H2O2	AgNO3	0.0600	0.041	0.183	-0.03	0.154	H2O2	AgNO3	.3600*	0.040	0.000	0.265	0.454

	O3	37	08	92		O3	16	49	9		O3	82	9	1						
	Contr ol	.2200*	0.039 37	0.001		0.129 2	0.310 8	Contr ol	.1133*		0.041 16	0.025	0.018 4	0.208 3	Contr ol	.4900*	0.040 82	0.000	0.395 9	0.584 1
	Putres cine	.6000*	0.039 37	0.000		0.509 2	0.690 8	Putres cine	.3333*		0.041 16	0.000	0.238 4	0.428 3	Putres cine	.7900*	0.040 82	0.000	0.695 9	0.884 1
Putrescine	AgN O3	-.8800*	0.039 37	0.000	-0.97 08	-0.78 92	Putrescine	AgN O3	-.2733*	0.041 16	0.000	-0.36 83	-0.17 84	Putrescine	AgN O3	-.4300*	0.040 82	0.000	-0.52 41	-0.33 59
	Contr ol	-.3800*	0.039 37	0.000	-0.47 08	-0.28 92		Contr ol	-.2200*	0.041 16	0.001	-0.31 49	-0.12 51		Contr ol	-.3000*	0.040 82	0.000	-0.39 41	-0.20 59
	H2O2	-.6000*	0.039 37	0.000	-0.69 08	-0.50 92		H2O2	-.3333*	0.041 16	0.000	-0.42 83	-0.23 84		H2O2	-.7900*	0.040 82	0.000	-0.88 41	-0.69 59

Based on observed means.

The error term is Mean Square(Error) =0 .002.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) =0 .003.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) =0 .002.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound
AgNO3	Contr ol	-.1200*	0.036 97	0.012	-0.20 52	-0.03 48	AgNO3	Contr ol	-.4000*	0.042 43	0.000	-0.49 78	-0.30 22	AgNO3	Contr ol	-.1100*	0.045 46	0.042	-0.21 48	-0.00 52
	H2O2	.1100*	0.036 97	0.018	0.024 8	0.195 2		H2O2	.4300*	0.042 43	0.000	0.332 2	0.527 8		H2O2	.4300*	0.045 46	0.000	0.325 2	0.534 8
	Putres cine	0.0200	0.036 97	0.603	-0.06 52	0.105 2		Putres cine	0.0700	0.042 43	0.138	-0.02 78	0.167 8		Putres cine	-0.030 0	0.045 46	0.528	-0.13 48	0.074 8
Control	AgN O3	.1200*	0.036 97	0.012	0.034 8	0.205 2	Control	AgN O3	.4000*	0.042 43	0.000	0.302 2	0.497 8	Control	AgN O3	.1100*	0.045 46	0.042	0.005 2	0.214 8
	H2O2	.2300*	0.036 97	0.000	0.144 8	0.315 2		H2O2	.8300*	0.042 43	0.000	0.732 2	0.927 8		H2O2	.5400*	0.045 46	0.000	0.435 2	0.644 8
	Putres cine	.1400*	0.036 97	0.005	0.054 8	0.225 2		Putres cine	.4700*	0.042 43	0.000	0.372 2	0.567 8		Putres cine	0.0800	0.045 46	0.116	-0.02 48	0.184 8
H2O2	AgN O3	-.1100*	0.036 97	0.018	-0.19 52	-0.02 48	H2O2	AgN O3	-.4300*	0.042 43	0.000	-0.52 78	-0.33 22	H2O2	AgN O3	-.4300*	0.045 46	0.000	-0.53 48	-0.32 52
	Contr ol	-.2300*	0.036 97	0.000	-0.31 52	-0.14 48		Contr ol	-.8300*	0.042 43	0.000	-0.92 78	-0.73 22		Contr ol	-.5400*	0.045 46	0.000	-0.64 48	-0.43 52

	Putrescine	-0.0900*	0.03697	0.041	-0.1752	-0.0048		Putrescine	-0.3600*	0.04243	0.000	-0.4578	-0.2622		Putrescine	-0.4600*	0.04546	0.000	-0.5648	-0.3552
Putrescine	AgNO ₃	-0.0200	0.03697	0.603	-0.1052	0.0652		AgNO ₃	-0.0700	0.04243	0.138	-0.1678	0.0278		AgNO ₃	0.0300	0.04546	0.528	-0.0748	0.1348
	Control	-0.1400*	0.03697	0.005	-0.2252	-0.0548		Control	-0.4700*	0.04243	0.000	-0.5678	-0.3722		Control	-0.0800	0.04546	0.116	-0.1848	0.0248
	H ₂ O ₂	.0900*	0.03697	0.041	0.0048	0.1752		H ₂ O ₂	.3600*	0.04243	0.000	0.2622	0.4578		H ₂ O ₂	.4600*	0.04546	0.000	0.3552	0.5648

Based on observed means.

The error term is Mean Square(Error) = 0.002.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.003.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.003.

*. The mean difference is significant at the 0.05 level.

Table S5. Changes of total O²-conten.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	0.0055	1	0.005	10.71	0.004	4.493	Variety	0.0194	1	0.019	22.85	0.000	4.493	Variety	0.1981	1	0.198	3103.	9.43	4.493
Treatments	0.6896	3	0.229	441.3	1.37	3.238	Treatments	0.1207	3	0.040	47.16	3.61	3.238	Treatments	0.0409	3	0.013	213.8	4.07	3.238
Interaction	0.1017	3	0.033	65.14	3.47	3.238	Interaction	1.1899	3	0.396	464.9	9.09	3.238	Interaction	0.0290	3	0.009	151.6	5.83	3.238
Within	0.0083	16	0.000				Within	0.0136	16	0.000				Within	0.0010	16	6.39			
Total	0.8053	23					Total	1.3438	23					Total	0.2692	23				
	72		521					13		853					42		E-05			

Multiple Comparisons for Tejaswani Chilli Variety Dependent Variable: LSD							Multiple Comparisons for Tejaswani Chilli Variety Dependent Variable: LSD							Multiple Comparisons for Tejaswani Chilli Variety Dependent Variable: LSD						
(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval				
				Lower Bound	Upper Bound					Lower Bound	Upper Bound					Lower Bound	Upper Bound			
AgNO3	Control	-.1060*	0.01760	0.000	-0.1466	-0.0654	AgNO3	Control	-.1630*	0.02291	0.000	-0.2158	-0.1102	AgNO3	Control	-.1640*	0.00907	0.000	-0.1849	-0.1431
	H2O2	-.2370*	0.01760	0.000	-0.2776	-0.1964		H2O2	-.5450*	0.02291	0.000	-0.5978	-0.4922		H2O2	-.1460*	0.00907	0.000	-0.1669	-0.1251
	Putrescine	-.4943*	0.01760	0.000	-0.5349	-0.4538		Putrescine	-.5910*	0.02291	0.000	-0.6438	-0.5382		Putrescine	-.1730*	0.00907	0.000	-0.1939	-0.1521
Control	AgNO3	.1060*	0.01760	0.000	0.0654	0.1466	Control	AgNO3	.1630*	0.02291	0.000	0.1102	0.2158	Control	AgNO3	.1640*	0.00907	0.000	0.1431	0.1849
	H2O2	-.1310*	0.01760	0.000	-0.1716	-0.0904		H2O2	-.3820*	0.02291	0.000	-0.4348	-0.3292		H2O2	0.0180	0.00907	0.082	-0.0029	0.0389
	Putrescine	-.3883*	0.01760	0.000	-0.4289	-0.3478		Putrescine	-.4280*	0.02291	0.000	-0.4808	-0.3752		Putrescine	-0.0090	0.00907	0.350	-0.0299	0.0119
H2O2	AgNO3	.2370*	0.01760	0.000	0.1964	0.2776	H2O2	AgNO3	.5450*	0.02291	0.000	0.4922	0.5978	H2O2	AgNO3	.1460*	0.00907	0.000	0.1251	0.1666

	O3	60	4	6		O3	91	2	8		O3	07	1	9						
	Contr ol	.1310*	0.017	0.000		0.090	0.171	Contr ol	.3820*		0.022	0.000	0.329	0.434	Contr ol	-0.018	0.009	0.082	-0.03	0.002
	Putres cine	-.2573	0.017	0.000		-0.29	-0.21	Putres cine	-0.046		0.022	0.080	-0.09	0.006	Putres cine	-.0270*	0.009	0.018	-0.04	-0.00
Putrescine	AgN O3	.4943*	0.017	0.000	0.453	0.534	AgN O3	.5910*	0.022	0.000	0.538	0.643	AgN O3	.1730*	0.009	0.000	0.152	0.193		
	Contr ol	.3883*	0.017	0.000	0.347	0.428	Contr ol	.4280*	0.022	0.000	0.375	0.480	Contr ol	0.0090	0.009	0.350	-0.01	0.029		
	H2O2	.2573*	0.017	0.000	0.216	0.297	H2O2	0.0460	0.022	0.080	-0.00	0.098	H2O2	.0270*	0.009	0.018	0.006	0.047		

Based on observed means.

The error term is Mean Square(Error) = 0.000.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.001.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.000.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) VAR00001		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			
					Lower Bound	Upper Bound					Lower Bound	Upper Bound					Lower Bound	Upper Bound		
AgNO3	Contr ol	-.3550*	0.019	0.000	-0.40	-0.30	AgNO3	Contr ol	.4270*	0.024	0.000	0.369	0.484	AgNO3	Contr ol	-.0620*	0.001	0.000	-0.06	-0.05
	H2O2	-.1460*	0.019	0.000	-0.19	-0.10		H2O2	.5630*	0.024	0.000	0.505	0.620		H2O2	.0090*	0.001	0.001	0.005	0.012
	Putres cine	-.4583*	0.019	0.000	-0.50	-0.41		Putres cine	.4630*	0.024	0.000	0.405	0.520		Putres cine	.0090*	0.001	0.001	0.005	0.012
Control	AgN O3	.3550*	0.019	0.000	0.309	0.400	Control	AgN O3	-.4270*	0.024	0.000	-0.48	-0.36	Control	AgN O3	.0620*	0.001	0.000	0.058	0.065
	H2O2	.2090*	0.019	0.000	0.163	0.254		H2O2	.1360*	0.024	0.001	0.078	0.193		H2O2	.0710*	0.001	0.000	0.067	0.074
	Putres cine	-.1033*	0.019	0.001	-0.14	-0.05		Putres cine	0.0360	0.024	0.184	-0.02	0.093		Putres cine	.0710*	0.001	0.000	0.067	0.074
H2O2	AgN O3	.1460*	0.019	0.000	0.100	0.191	H2O2	AgN O3	-.5630*	0.024	0.000	-0.62	-0.50	H2O2	AgN O3	-.0090*	0.001	0.001	-0.01	-0.00
	Contr ol	-.2090*	0.019	0.000	-0.25	-0.16		Contr ol	-.1360*	0.024	0.001	-0.19	-0.07		Contr ol	-.0710*	0.001	0.000	-0.07	-0.06

	Putrescine	-.3123*	0.01961	0.000	-0.3576	-0.2671		Putrescine	-.1000*	0.02475	0.004	-0.1571	-0.0429		Putrescine	0.0000	0.00169	1.000	-0.0039	0.0039
Putrescine	AgNO ₃	.4583*	0.01961	0.000	0.4131	0.5036	Putrescine	AgNO ₃	-.4630*	0.02475	0.000	-0.5201	-0.4059	Putrescine	AgNO ₃	-.0090*	0.00169	0.001	-0.0129	-0.0051
	Control	.1033*	0.01961	0.001	0.0581	0.1486		Control	-0.0360	0.02475	0.184	-0.0931	0.0211		Control	-.0710*	0.00169	0.000	-0.0749	-0.0671
	H ₂ O ₂	.3123*	0.01961	0.000	0.2671	0.3576		H ₂ O ₂	.1000*	0.02475	0.004	0.0429	0.1571		H ₂ O ₂	0.0000	0.00169	1.000	-0.0039	0.0039

Based on observed means.

The error term is Mean Square(Error) = .001.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = .001.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 4.304E-6.

*. The mean difference is significant at the 0.05 level.

Table S6. Changes of total MDA content.

3 Days							5 Days						7 Days							
ANOVA							ANOVA						ANOVA							
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	2.4E-07	1	2.4E-07	5.028	0.039	4.493	Variety	1.26E-05	1	1.26E-05	208.0	1.37E-10	4.493	Variety	5.13E-06	1	5.13E-06	87.71	6.78E-08	4.493
Treatments	5.43E-05	3	1.81E-05	378.9	4.56E-15	3.238	Treatments	1.38E-05	3	4.62E-06	76.10	1.1E-09	3.238	Treatments	4.05E-05	3	1.35E-05	230.3	2.27E-13	3.238
Interaction	2.7E-07	3	9E-08	1.885	0.172	3.238	Interaction	8.45E-06	3	2.82E-06	46.42	4.05E-08	3.238	Interaction	1.12E-05	3	3.73E-06	63.79	4.04E-09	3.238
Within	7.64E-07	16	4.77E-08				Within	9.7E-07	16	6.06E-08				Within	9.36E-07	16	5.85E-08			
Total	5.55E-05	23					Total	3.59E-05	23					Total	5.77E-05	23				

Multiple Comparisons for Tejaswani Chilli Variety Dependent Variable: LSD							Multiple Comparisons for Tejaswani Chilli Variety Dependent Variable: LSD							Multiple Comparisons for Tejaswani Chilli Variety Dependent Variable: LSD						
(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval				
				Lower Bound	Upper Bound					Lower Bound	Upper Bound					Lower Bound	Upper Bound			
AgNO3	Control	.0020*	0.000	0.001	0.002	AgNO3	Control	-.0010*	0.000	0.002	-0.0015	-0.0005	AgNO3	Control	-.0050*	0.000	0.000	-0.0054	-0.0046	
	H2O2	0.0000	0.000	1.000	-0.0004		0.0004	H2O2	-.0010*	0.000	0.002	-0.0015		-0.0005	H2O2	-.0030*	0.000	0.000	-0.0034	-0.0026
	Putrescine	-.0020*	0.000	0.000	-0.0024		-0.0016	Putrescine	0.0000	0.000	1.000	-0.0005		0.0005	Putrescine	-.0045*	0.000	0.000	-0.0049	-0.0041
Control	AgNO3	-.0020*	0.000	0.000	-0.0024	-0.0016	Control	AgNO3	-.0010*	0.000	0.002	0.0005	0.0015	Control	AgNO3	.0050*	0.000	0.000	0.0046	0.0054
	H2O2	-.0020*	0.000	0.000	-0.0024	-0.0016		H2O2	0.0000	0.000	1.000	-0.0005	0.0005		H2O2	-.0020*	0.000	0.000	-0.0026	-0.0014
	Putrescine	-.0040*	0.000	0.000	-0.0044	-0.0036		Putrescine	-.0010*	0.000	0.002	0.0000	0.0010		Putrescine	-.0005*	0.000	0.028	0.0000	0.0000

	cine		17		44	36		esci ne		23		5	5		cine		19		1	9
H2O2	AgNO3	0.0000	0.000 17	1.000	-0.00 04	0.000 4	H2O2	AgNO3	.0010*	0.000 23	0.002	0.000 5	0.001 5	H2O2	AgNO3	.0030*	0.000 19	0.000	0.002 6	0.003 4
	Control	.0020*	0.000 17	0.000	0.001 6	0.002 4		Control	0.0000	0.000 23	1.000	-0.00 05	0.000 5		Control	-.0020*	0.000 19	0.000	-0.00 24	-0.00 16
	Putrescine	-.0020*	0.000 17	0.000	-0.00 24	-0.00 16		Putrescine	.0010*	0.000 23	0.002	0.000 5	0.001 5		Putrescine	-.0015*	0.000 19	0.000	-0.00 19	-0.00 11
Putrescine	AgNO3	.0020*	0.000 17	0.000	0.001 6	0.002 4	Putrescine	AgNO3	0.0000	0.000 23	1.000	-0.00 05	0.000 5	Putrescine	AgNO3	.0045*	0.000 19	0.000	0.004 1	0.004 9
	Control	.0040*	0.000 17	0.000	0.003 6	0.004 4		Control	-.0010*	0.000 23	0.002	-0.00 15	-0.00 05		Control	-.0005*	0.000 19	0.028	-0.00 09	-0.00 01
	H2O2	.0020*	0.000 17	0.000	0.001 6	0.002 4		H2O2	-.0010*	0.000 23	0.002	-0.00 15	-0.00 05		H2O2	.0015*	0.000 19	0.000	0.001 1	0.001 9

Based on observed means.

The error term is Mean Square(Error) = 4.500E-8.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 7.625E-8.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 5.203E-8.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval				
				Lower Bound	Upper Bound					Lower Bound	Upper Bound					Lower Bound	Upper Bound			
AgNO3	Control	.0023*	0.000 18	0.000	0.001 9	0.002 7	AgNO3	Control	0.0002	0.000 17	0.282	-0.00 02	0.000 6	AgNO3	Control	-.0012*	0.000 21	0.000	-0.00 17	-0.00 07
	H2O2	0.0003	0.000 18	0.141	-0.00 01	0.000 7		H2O2	-.0012*	0.000 17	0.000	0.000 8	0.001 6		H2O2	-.0010*	0.000 21	0.001	-0.00 15	-0.00 05
	Putrescine	-.0022*	0.000 18	0.000	-0.00 26	-0.00 18		Putrescine	-.0032*	0.000 17	0.000	0.002 8	0.003 6		Putrescine	-.0020*	0.000 21	0.000	-0.00 25	-0.00 15
Control	AgNO3	-.0023*	0.000 18	0.000	-0.00 27	-0.00 19	Control	-0.0002	0.000 17	0.282	-0.00 06	0.000 2	Control	-.0012*	0.000 21	0.000	0.000 7	0.001 7		

	H2O2	-.0020*	0.00018	0.000	-0.0024	-0.0016		H2O2	.0010*	0.00017	0.000	0.0006	0.0014		H2O2	0.0002	0.00021	0.365	-0.0003	0.0007
	Putrescine	-.0045*	0.00018	0.000	-0.0049	-0.0041		Putrescine	-.0030*	0.00017	0.000	0.0026	0.0034		Putrescine	-.0008*	0.00021	0.005	-0.0013	-0.0003
H2O2	AgNO3	-0.0003	0.00018	0.141	-0.0007	0.0001	H2O2	AgNO3	-.0012*	0.00017	0.000	-0.0016	-0.0008	H2O2	AgNO3	.0010*	0.00021	0.001	0.0005	0.0015
	Control	.0020*	0.00018	0.000	0.0016	0.0024		Control	-.0010*	0.00017	0.000	-0.0014	-0.0006		Control	-0.0002	0.00021	0.365	-0.0007	0.0003
	Putrescine	-.0025*	0.00018	0.000	-0.0029	-0.0021		Putrescine	.0020*	0.00017	0.000	0.0016	0.0024		Putrescine	-.0010*	0.00021	0.001	-0.0015	-0.0005
Putrescine	AgNO3	.0022*	0.00018	0.000	0.0018	0.0026	Putrescine	AgNO3	-.0032*	0.00017	0.000	-0.0036	-0.0028	Putrescine	AgNO3	.0020*	0.00021	0.000	0.0015	0.0025
	Control	.0045*	0.00018	0.000	0.0041	0.0049		Control	-.0030*	0.00017	0.000	-0.0034	-0.0026		Control	.0008*	0.00021	0.005	0.0003	0.0013
	H2O2	.0025*	0.00018	0.000	0.0021	0.0029		H2O2	-.0020*	0.00017	0.000	-0.0024	-0.0016		H2O2	.0010*	0.00021	0.001	0.0005	0.0015

Based on observed means.

The error term is Mean Square(Error) = 5.046E-8.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 4.502E-8.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 6.502E-8.

*. The mean difference is significant at the 0.05 level.

Table S7. Changes of total phenolic content.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	0.0374	1	0.037	12.61	0.002	4.493	Variety	0.4537	1	0.453	276.1	1.63	4.493	Variety	0.3051	1	0.305	30.78	4.41	4.493
Treatments	0.5869	3	0.195	65.93	3.17	3.238	Treatments	0.1172	3	0.039	23.79	3.86	3.238	Treatments	0.6353	3	0.211	21.36	7.68	3.238
Interaction	0.8334	3	0.277	93.62	2.32	3.238	Interaction	0.0648	3	0.021	13.15	0.000	3.238	Interaction	3.0499	3	1.016	102.5	1.16	3.238
Within	0.0474	16	0.002	827	351	872	Within	0.0262	16	0.001	203	138	872	Within	0.1585	16	0.009	669	669	872
Total	1.5053	23	967				Total	0.6621	23	643				Total	4.1490	23	912			
	64							78							09					

Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety						
Dependent Variable: LSD							Dependent Variable: LSD							Dependent Variable: LSD						
(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
				Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound	
AgNO3	Control	-0.0350	0.04574	0.466	-0.1405	0.0705	AgNO3	Control	-.2410*	0.03827	0.000	-0.3292	-0.1528	AgNO3	Control	.7940*	0.08524	0.000	0.5974	0.9906
	H2O2	-.2340*	0.04574	0.001	-0.3395	-0.1285		H2O2	-.1790*	0.03827	0.002	-0.2672	-0.0908		H2O2	.6190*	0.08524	0.000	0.4224	0.8156
	Putrescine	-.5260*	0.04574	0.000	-0.6315	-0.4205		Putrescine	-0.0230	0.03827	0.564	-0.1112	0.0652		Putrescine	0.1280	0.08524	0.172	-0.0686	0.3246
Control	AgNO3	0.0350	0.04574	0.466	-0.0705	0.1405	Control	AgNO3	.2410*	0.03827	0.000	0.1528	0.3292	Control	AgNO3	-.7940*	0.08524	0.000	-0.9906	-0.5974
	H2O2	-.1990*	0.04574	0.002	-0.3045	-0.0935		H2O2	0.0620	0.03827	0.144	-0.0262	0.1502		H2O2	-0.1750	0.08524	0.074	-0.3716	0.0216
	Putrescine	-.4910*	0.04574	0.000	-0.5965	-0.3855		Putrescine	.2180*	0.03827	0.000	0.1298	0.3062		Putrescine	-.6660*	0.08524	0.000	-0.8626	-0.4694
H2O2	AgNO3	.2340*	0.04574	0.001	0.1285	0.3395	H2O2	AgNO3	.1790*	0.03827	0.002	0.0908	0.2672	H2O2	AgNO3	-.6190*	0.08524	0.000	-0.8156	-0.4246

	O3	74	5	5		O3	27	8	2		O3	24	56	24						
	Contr ol	.1990*	0.045 74	0.002		0.093 5	0.304 5	Contr ol	-0.062 0		0.038 27	0.144	-0.15 02	0.026 2	Contr ol	0.1750 24	0.085 24	0.074	-0.02 16	0.371 6
	Putres cine	-.2920 *	0.045 74	0.000		-0.39 75	-0.18 65	Putres cine	.1560*		0.038 27	0.004	0.067 8	0.244 2	Putres cine	-.4910*	0.085 24	0.000	-0.68 76	-0.29 44
Putrescine	AgN O3	.5260*	0.045 74	0.000	0.420 5	0.631 5	Putrescine	AgN O3	0.0230	0.038 27	0.564	-0.06 52	0.111 2	Putrescine	AgN O3	-0.128 0	0.085 24	0.172	-0.32 46	0.068 6
	Contr ol	.4910*	0.045 74	0.000	0.385 5	0.596 5		Contr ol	-.2180*	0.038 27	0.000	-0.30 62	-0.12 98		Contr ol	.6660*	0.085 24	0.000	0.469 4	0.862 6
	H2O2	.2920*	0.045 74	0.000	0.186 5	0.397 5		H2O2	-.1560*	0.038 27	0.004	-0.24 42	-0.06 78		H2O2	.4910*	0.085 24	0.000	0.294 4	0.687 6

Based on observed means.

The error term is Mean Square(Error) =0.003.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) =0.002.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.011.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) Treatment		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound
AgNO3	Contr ol	-.2380*	0.043 18	0.001	-0.33 76	-0.13 84	AgNO3	Contr ol	0.0510	0.026 96	0.095	-0.01 12	0.113 2	AgNO3	Contr ol	-1.187 0*	0.077 13	0.000	-1.36 49	-1.00 91
	H2O2	-.6270*	0.043 18	0.000	-0.72 66	-0.52 74		H2O2	-0.030 0	0.026 96	0.298	-0.09 22	0.032 2		H2O2	-.2370*	0.077 13	0.015	-0.41 49	-0.05 91
	Putres cine	0.0740	0.043 18	0.125	-0.02 56	0.173 6		Putres cine	.1520*	0.026 96	0.000	0.089 8	0.214 2		Putres cine	-.5370*	0.077 13	0.000	-0.71 49	-0.35 91
Control	AgN O3	.2380*	0.043 18	0.001	0.138 4	0.337 6	Control	AgN O3	-0.051 0	0.026 96	0.095	-0.11 32	0.011 2	Control	AgN O3	1.1870 *	0.077 13	0.000	1.009 1	1.364 9
	H2O2	-.3890*	0.043 18	0.000	-0.48 86	-0.28 94		H2O2	-.0810*	0.026 96	0.017	-0.14 32	-0.01 88		H2O2	.9500*	0.077 13	0.000	0.772 1	1.127 9
	Putres cine	.3120*	0.043 18	0.000	0.212 4	0.411 6		Putres cine	.1010*	0.026 96	0.006	0.038 8	0.163 2		Putres cine	.6500*	0.077 13	0.000	0.472 1	0.827 9
H2O2	AgN O3	.6270*	0.043 18	0.000	0.527 4	0.726 6	H2O2	AgN O3	0.0300	0.026 96	0.298	-0.03 22	0.092 2	H2O2	AgN O3	.2370*	0.077 13	0.015	0.059 1	0.414 9
	Contr ol	-.3890*	0.043 18	0.000	0.289 4	0.488 6		Contr ol	-.0810*	0.026 96	0.017	0.018 8	0.143 2		Contr ol	-.9500*	0.077 13	0.000	-1.12 79	-0.77 21

	Putrescine	.7010*	0.043 18	0.000	0.601 4	0.800 6		Putrescine	.1820*	0.026 96	0.000	0.119 8	0.244 2		Putrescine	-.3000*	0.077 13	0.005	-0.47 79	-0.12 21
Putrescine	AgNO ₃	-0.074 0	0.043 18	0.125	-0.17 36	0.025 6	Putrescine	AgNO ₃	-.1520*	0.026 96	0.000	-0.21 42	-0.08 98	Putrescine	AgNO ₃	.5370*	0.077 13	0.000	0.359 1	0.714 9
	Control	-.3120 *	0.043 18	0.000	-0.41 16	-0.21 24		Control	-.1010*	0.026 96	0.006	-0.16 32	-0.03 88		Control	-.6500*	0.077 13	0.000	-0.82 79	-0.47 21
	H ₂ O ₂	-.7010 *	0.043 18	0.000	-0.80 06	-0.60 14		H ₂ O ₂	-.1820*	0.026 96	0.000	-0.24 42	-0.11 98		H ₂ O ₂	.3000*	0.077 13	0.005	0.122 1	0.477 9

Based on observed means.

The error term is Mean Square(Error) =0.003.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) =0.001.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) =0.009.

*. The mean difference is significant at the 0.05 level.

Table S8. Changes of total Flavonoid Content.

3 Days							5 Days							7 Days							
ANOVA							ANOVA							ANOVA							
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	
Variety	3.2989	1	3.298	951.1	1.11	4.493	Variety	1.4033	1	1.403	746.3	7.46	4.493	Variety	0.0082	1	0.008	6.323	0.022	4.493	
Treatments	0.1159	3	0.038	11.13	0.000	3.238	Treatments	0.3501	3	0.116	62.07	4.94	3.238	Treatments	0.7012	3	0.233	179.9	1.55	3.238	
Interaction	0.3919	3	0.130	37.67	1.76	3.238	Interaction	0.1295	3	0.043	22.96	4.84	3.238	Interaction	0.3003	3	0.100	77.06	9.98	3.238	
Within	0.0554	16	0.003	0.032	E-07	872	Within	0.0300	16	0.001	801	E-06	872	Within	0.0207	16	0.001	105	965	E-10	872
Total	3.8623	23	468				Total	1.9131	23	88				Total	1.0305	23	299				
	1							79							82						

Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety							Multiple Comparisons for Tejaswani Chilli Variety						
Dependent Variable: LSD							Dependent Variable: LSD							Dependent Variable: LSD						
(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
				Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound	
AgNO3	Control	.1050*	0.03092	0.009	0.0337	0.1763	AgNO3	Control	-.1360*	0.02315	0.000	-0.1894	-0.0826	AgNO3	Control	-.1910*	0.02773	0.000	-0.2549	-0.1271
	H2O2	-.3390*	0.03092	0.000	-0.4103	-0.2677		H2O2	0.0430	0.02315	0.100	-0.0104	0.0964		H2O2	0.0540	0.02773	0.087	-0.0099	0.1179
	Putrescine	0.0350	0.03092	0.290	-0.0363	0.1063		Putrescine	.0900*	0.02315	0.005	0.0366	0.1434		Putrescine	-.1130*	0.02773	0.004	-0.1769	-0.0491
Control	AgNO3	-.1050*	0.03092	0.009	-0.1763	-0.0337	Control	AgNO3	.1360*	0.02315	0.000	0.0826	0.1894	Control	AgNO3	.1910*	0.02773	0.000	0.1271	0.2549
	H2O2	-.4440*	0.03092	0.000	-0.5153	-0.3727		H2O2	.1790*	0.02315	0.000	0.1256	0.2324		H2O2	.2450*	0.02773	0.000	0.1811	0.3089
	Putrescine	-0.0700	0.03092	0.053	-0.1413	0.0013		Putrescine	.2260*	0.02315	0.000	0.1726	0.2794		Putrescine	.0780*	0.02773	0.023	0.0141	0.1419
H2O2	AgNO3	.3390*	0.03092	0.000	0.2677	0.4103	H2O2	AgNO3	-0.0430	0.02315	0.100	-0.0964	0.0104	H2O2	AgNO3	-0.0540	0.02773	0.087	-0.1179	0.0099

	O3	92	7	3		O3	0	15	64	4		O3	0	73	79	9				
	Contr ol	.4440*	0.030	0.000		0.372	0.515	Contr ol	-.1790*	0.023		0.000	-0.23	-0.12	Contr ol	-.2450*	0.027	0.000	-0.30	-0.18
	Putres cine	.3740*	0.030	0.000		0.302	0.445	Putres cine	0.0470	0.023		0.077	-0.00	0.100	Putres cine	-.1670*	0.027	0.000	-0.23	-0.10
Putrescine	AgN O3	-0.035	0.030	0.290	-0.10	0.036	AgN O3	-.0900*	0.023	0.005	-0.14	-0.03	AgN O3	.1130*	0.027	0.004	0.049	0.176		
	Contr ol	0.0700	0.030	0.053	-0.00	0.141	Contr ol	-.2260*	0.023	0.000	-0.27	-0.17	Contr ol	-.0780*	0.027	0.023	-0.14	-0.01		
	H2O2	-.3740	0.030	0.000	-0.44	-0.30	H2O2	-0.047	0.023	0.077	-0.10	0.006	H2O2	.1670*	0.027	0.000	0.103	0.230		
		92	7	3			0	15	64	4			73	79	9					
		92	7	3			15	64	4				73	79	9					
		92	7	3			64	4					73	79	9					
		92	7	3			4						73	79	9					

Based on observed means.

The error term is Mean Square(Error) = 0.001.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.001.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.001.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) Treatment		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound						Lower Bound	Upper Bound						Lower Bound	Upper Bound
AgNO3	Contr ol	0.0580	0.060	0.366	-0.08	0.197	AgNO3	Contr ol	-0.050	0.044	0.293	-0.15	0.052	AgNO3	Contr ol	-.7200*	0.031	0.000	-0.79	-0.64
	H2O2	.1400*	0.060	0.050	0.000	0.279		H2O2	-0.080	0.044	0.106	-0.18	0.021		H2O2	-.2730*	0.031	0.000	-0.34	-0.20
	Putres cine	-.1710	0.060	0.022	-0.31	-0.03		Putres cine	.3697*	0.044	0.000	0.267	0.472		Putres cine	-.1210*	0.031	0.005	-0.19	-0.04
Control	AgN O3	-0.058	0.060	0.366	-0.19	0.081	Control	AgN O3	0.0500	0.044	0.293	-0.05	0.152	Control	AgN O3	.7200*	0.031	0.000	0.648	0.791
	H2O2	0.0820	0.060	0.213	-0.05	0.221		H2O2	-0.031	0.044	0.505	-0.13	0.071		H2O2	.4470*	0.031	0.000	0.375	0.518
	Putres cine	-.2290	0.060	0.005	-0.36	-0.08		Putres cine	.4197*	0.044	0.000	0.317	0.522		Putres cine	.5990*	0.031	0.000	0.527	0.670
H2O2	AgN O3	-.1400	0.060	0.050	-0.27	-0.00	H2O2	AgN O3	0.0809	0.044	0.106	-0.02	0.183	H2O2	AgN O3	.2730*	0.031	0.000	0.201	0.344
	Contr ol	-0.082	0.060	0.213	-0.22	0.057		Contr ol	0.0310	0.044	0.505	-0.07	0.133		Contr ol	-.4470*	0.031	0.000	-0.51	-0.37

	Putrescine	-.3110*	0.06057	0.001	-0.4507	-0.1713		Putrescine	.4506*	0.04440	0.000	0.3482	0.5530		Putrescine	.1520*	0.03103	0.001	0.0804	0.2236
Putrescine	AgNO ₃	.1710*	0.06057	0.022	0.0313	0.3107	Putrescine	AgNO ₃	-.3697*	0.04440	0.000	-0.4721	-0.2673	Putrescine	AgNO ₃	.1210*	0.03103	0.005	0.0494	0.1926
	Control	.2290*	0.06057	0.005	0.0893	0.3687		Control	-.4197*	0.04440	0.000	-0.5220	-0.3173		Control	-.5990*	0.03103	0.000	-0.6706	-0.5274
	H ₂ O ₂	.3110*	0.06057	0.001	0.1713	0.4507		H ₂ O ₂	-.4506*	0.04440	0.000	-0.5530	-0.3482		H ₂ O ₂	-.1520*	0.03103	0.001	-0.2236	-0.0804

Based on observed means.

The error term is Mean Square(Error) = 0.006.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.003.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.001.

*. The mean difference is significant at the 0.05 level.

Table S9. Assay of Pectin Methylsterase.

3 Days							5 Days							7 Days						
ANOVA							ANOVA							ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit	Source of Variation	SS	df	MS	F	P-value	F crit
Variety	1.815	1	1.815	104.9	1.96	4.493	Variety	6	1	6	310.8	6.62	4.493	Variety	0.0937	1	0.093	6.027	0.025	4.493
Treatments	3.525	3	1.175	67.96	2.54	3.238	Treatments	8.46	3	2.82	146.1	7.77	3.238	Treatments	2.5612	3	0.853	54.89	1.21	3.238
Interaction	1.485	3	0.495	28.63	1.14	3.238	Interaction	2.28	3	0.76	14	E-12	872	Interaction	5	3	75	251	E-08	872
Within	0.2766	16	0.017	341	E-06	872	Within	0.3088	16	0.01	39.37	1.29	3.238	Within	4.0612	3	1.353	87.04	4.02	3.238
Total	7.1016	23	288				Total	17.048	23	93	824	E-07	872	Total	6.9651	23	0.2488	5	553	

Multiple Comparisons for Tejaswani Chilli Variety

Multiple Comparisons for Tejaswani Chilli Variety

Multiple Comparisons for Tejaswani Chilli Variety

Dependent Variable: LSD							Dependent Variable: LSD							Dependent Variable: LSD						
(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval				
				Lower Bound	Upper Bound					Lower Bound	Upper Bound					Lower Bound	Upper Bound			
AgNO3	Control	-1.2000*	0.11867	0.000	-1.4737	-0.9263	Control	-0.6000*	0.08954	0.000	-0.8065	-0.3935	Control	0.0000	0.10052	1.000	-0.2318	0.2318		
	H2O2	0.2000	0.11867	0.130	-0.0737	0.4737	AgNO3	H2O2	-1.2000*	0.08954	0.000	-1.4065	-0.9935	AgNO3	H2O2	1.0000*	0.10052	0.000	0.7682	1.2318
	Putrescine	-0.8000*	0.11867	0.000	-1.0737	-0.5263	Putrescine	-0.4000*	0.08954	0.002	-0.6065	-0.1935	Putrescine	Putrescine	1.5000*	0.10052	0.000	1.2682	1.7318	
Control	AgNO3	1.2000*	0.11867	0.000	0.9263	1.4737	Control	AgNO3	-0.6000*	0.08954	0.000	0.3935	0.8065	Control	AgNO3	0.0000	0.10052	1.000	-0.2318	0.2318
	H2O2	1.4000*	0.11867	0.000	1.1263	1.6737	Control	H2O2	-0.6000*	0.08954	0.000	-0.8065	-0.3935	Control	H2O2	1.0000*	0.10052	0.000	0.7682	1.2318
	Putrescine	0.4000*	0.11867	0.010	0.1263	0.6737	Putrescine	0.2000	0.08954	0.056	-0.0065	0.4065	Control	Putrescine	1.5000*	0.10052	0.000	1.2682	1.7318	

H2O2	AgNO3	-0.2000	0.11867	0.130	-0.4737	0.0737	H2O2	AgNO3	1.2000*	0.08954	0.000	0.9935	1.4065	H2O2	AgNO3	-1.0000*	0.10052	0.000	-1.2318	-0.7682
	Control	-1.4000*	0.11867	0.000	-1.6737	-1.1263		Control	.6000*	0.08954	0.000	0.3935	0.8065		Control	-1.0000*	0.10052	0.000	-1.2318	-0.7682
	Putrescine	-1.0000*	0.11867	0.000	-1.2737	-0.7263		Putrescine	.8000*	0.08954	0.000	0.5935	1.0065		Putrescine	.5000*	0.10052	0.001	0.2682	0.7318
Putrescine	AgNO3	.8000*	0.11867	0.000	0.5263	1.0737	Putrescine	AgNO3	.4000*	0.08954	0.002	0.1935	0.6065	Putrescine	AgNO3	-1.5000*	0.10052	0.000	-1.7318	-1.2682
	Control	-.4000*	0.11867	0.010	-0.6737	-0.1263		Control	-0.2000	0.08954	0.056	-0.4065	0.0065		Control	-1.5000*	0.10052	0.000	-1.7318	-1.2682
	H2O2	1.0000*	0.11867	0.000	0.7263	1.2737		H2O2	-.8000*	0.08954	0.000	-1.0065	-0.5935		H2O2	-.5000*	0.10052	0.001	-0.7318	-0.2682

Based on observed means.

The error term is Mean Square(Error) = 0.021.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.012.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

Based on observed means.

The error term is Mean Square(Error) = 0.015.

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		(I) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval				
				Lower Bound	Upper Bound					Lower Bound	Upper Bound					Lower Bound	Upper Bound			
AgNO3	Control	0.0000	0.09469	1.000	-0.2184	0.2184	AgNO3	Control	-.4000*	0.13310	0.017	0.0931	0.7069	AgNO3	Control	0.2000	0.10312	0.088	-0.0378	0.4378
	H2O2	0.2000	0.09469	0.068	-0.0184	0.4184		H2O2	-1.8000*	0.13310	0.000	-2.1069	-1.4931		H2O2	-.6000*	0.10312	0.000	0.3622	0.8378
	Putrescine	-.6000*	0.09469	0.000	-0.8184	-0.3816		Putrescine	-.8000*	0.13310	0.000	-1.1069	-0.4931		Putrescine	-.4000*	0.10312	0.005	-0.6378	-0.1622
Control	AgNO3	0.0000	0.09469	1.000	-0.2184	0.2184	Control	AgNO3	-.4000*	0.13310	0.017	-0.7069	-0.0931	Control	AgNO3	-0.2000	0.10312	0.088	-0.4378	0.0378
	H2O2	0.2000	0.09469	0.068	-0.0184	0.4184		H2O2	-2.2000*	0.13310	0.000	-2.5069	-1.8931		H2O2	.4000*	0.10312	0.005	0.1622	0.6378
	Putrescine	-.6000*	0.09469	0.000	-0.8184	-0.3816		Putrescine	-1.2000*	0.13310	0.000	-1.5069	-0.8931		Putrescine	-.6000*	0.10312	0.000	-0.8378	-0.3622
H2O2	AgNO3	-0.2000	0.09469	0.068	-0.4184	0.0184	H2O2	AgNO3	1.8000*	0.13310	0.000	1.4931	2.1069	H2O2	AgNO3	-.6000*	0.10312	0.000	-0.8378	-0.3622
	Control	-0.2000	0.09469	0.068	-0.4184	0.0184		Control	2.2000	0.13310	0.000	1.8931	2.5069		Control	-.4000*	0.10312	0.005	-0.6378	-0.1622

	ol	0	69		84	4		ol	*	310		1	9		ol		12		78	22
	Putrescine	-.8000*	0.094	0.000	-1.01	-0.58		Putrescine	1.0000	0.13	0.000	0.693	1.306		Putrescine	-1.000	0.103	0.000	-1.23	-0.76
			69		84	16			*	310		1	9			0*	12		78	22
Putrescine	AgN O3	.6000*	0.094	0.000	0.381	0.818		AgN O3	-.8000*	0.13	0.000	0.493	1.106		AgN O3	.4000*	0.103	0.005	0.162	0.637
	Contr ol	.6000*	0.094	0.000	0.381	0.818		Contr ol	1.2000	0.13	0.000	0.893	1.506		Contr ol	.6000*	0.103	0.000	0.362	0.837
			69		6	4			*	310		1	9			12		2	8	
	H2O2	.8000*	0.094	0.000	0.581	1.018		H2O2	-1.000	0.13	0.000	-1.30	-0.69		H2O2	1.0000	0.103	0.000	0.762	1.237
			69		6	4			0*	310		69	31			*	12		2	8

Based on observed means.

The error term is Mean Square(Error) = 0.013.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.027.

*. The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.016.

*. The mean difference is significant at the 0.05 level.

Table S10. Silver Content.

7 Days						
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Variety	5.491827	1	5.491827	447.54	2.62E-08	5.317655
Treatments	20.04668	1	20.04668	1633.644	1.55E-10	5.317655
Interaction	3.878307	1	3.878307	316.051	1.03E-07	5.317655
Within	0.098169	8	0.012271			
Total	29.51498	11				