

Table (2): Effect of some biofertilizers on photosynthetic pigments (mg/g fresh weight) of Giza111 shoots.

Treatment	bloom stage				mid pod stage				late pod stage			
	Chl.	Chl.	T.	Car.	Chl.	Chl.	T.	Car.	Chl.	Chl.	T.	Car.
	A	B	Chl.		A	B	Chl.		A	B	Chl.	
Control	0.51	0.34	0.85	0.95	1.23	0.98	2.21	0.86	0.55	0.43	0.98	0.60
0.25% Power mix	0.65	0.39	1.04	0.94	1.59	1.06	2.65	1.04	0.65	0.51	1.16	0.69
0.5% Power mix	0.71	0.41	1.12	0.79	1.43	1.12	2.55	0.94	0.77	0.58	1.35	0.90
0.25% Citrine	0.73	0.39	1.12	0.85	1.40	1.10	2.50	1.04	0.74	0.48	1.22	0.75
0.5% Citrine	0.65	0.36	1.01	0.90	1.61	1.21	2.82	1.04	0.86	0.56	1.42	0.94
0.25% Super blue green	0.75	0.35	1.10	0.85	1.79	1.07	2.86	1.05	0.66	0.46	1.17	0.69
0.5% Super blue green	0.78	0.37	1.15	0.87	1.56	1.10	2.66	1.06	0.72	0.48	1.20	0.87

Table (3): Effect of some biofertilizers on photosynthetic pigments (mg/g fresh weight) of crawford soybean shoots.

Treatment	bloom stage				mid pod stage				late pod stage			
	Chl.	Chl.	T.	Car.	Chl.	Chl.	T.	Car.	Chl.	Chl.	T.	Car.
	A	B	Chl.		A	B	Chl.		A	B	Chl.	
Control	0.72	0.40	1.12	0.66	1.24	0.77	2.01	0.82	0.79	0.52	1.31	0.72
0.25% Power mix	0.90	0.59	1.49	0.69	1.64	0.89	2.53	0.93	0.95	0.79	1.74	0.88
0.5% Power mix	1.04	0.58	1.62	0.75	1.72	1.49	3.22	0.92	0.82	0.68	1.50	0.81
0.25% Citrine	1.16	0.70	1.86	0.91	1.52	1.78	3.30	0.91	0.98	0.89	1.87	0.96
0.5% Citrine	0.80	0.52	1.32	0.89	1.79	1.22	3.02	1.05	0.92	0.55	1.47	0.92
0.25% Super blue green	0.86	0.49	1.35	0.71	1.57	0.86	2.44	1.05	0.90	0.74	1.64	0.91
0.5% Super blue green	0.99	0.68	1.67	0.80	1.68	1.01	2.68	1.05	0.93	0.81	1.74	0.93

Table (4): Effect of some biofertilizers on soluble sugars (g/100g) of Giza 111 shoots.

Treatment	Bloom stage			Mid pod stage			Late pod stage		
	Reducing Sugar.	Non-reducing Sugar.	Total soluble Sugar.	Reducing Sugar.	Non-reducing Sugar.	Total soluble Sugar.	Reducing Sugar.	Non-reducing Sugar.	Total soluble Sugar.
Control	0.044	2.74	2.78	0.040	3.33	3.37	0.052	2.83	2.88
0.25% Power mix	0.062	2.96	3.02	0.036	3.85	3.88	0.050	2.86	2.91
0.5% Power mix	0.049	2.89	2.94	0.036	3.88	3.91	0.078	2.88	2.95
0.25% citrine	0.031	2.77	2.80	0.035	3.50	3.53	0.045	3.01	3.05
0.5% citrine	0.041	2.90	2.94	0.037	3.80	3.83	0.047	2.95	2.99
0.25% Super blue green	0.059	2.79	2.85	0.047	3.20	3.24	0.062	3.09	3.15
0.5% Super blue green	0.081	3.01	3.09	0.058	3.33	3.38	0.078	3.08	3.15

Table (5): Effect of some biofertilizers on soluble sugars (g/100g) of crawford soybean shoots.

Treatment	Bloom stage			Mid pod stage			Late pod stage		
	Reducing Sugar.	Non-reducing Sugar.	Total soluble Sugar.	Reducing Sugar.	Non-reducing Sugar.	Total soluble Sugar.	Reducing Sugar.	Non-reducing Sugar.	Total soluble Sugar.
Control	0.048	3.14	3.19	0.044	3.37	3.41	0.047	3.14	3.18
0.25% Power mix	0.054	3.51	3.56	0.066	3.94	3.99	0.075	3.28	3.35
0.5% Power mix	0.057	3.26	3.31	0.044	4.01	4.05	0.089	3.04	3.13
0.25% Citrine	0.033	3.27	3.30	0.043	4.25	4.39	0.045	3.55	3.59
0.5% Citrine	0.042	3.40	3.44	0.046	4.36	4.40	0.041	3.49	3.53
0.25% Super blue green	0.064	3.91	3.97	0.056	3.77	3.83	0.068	3.58	3.64
0.5% Super blue green	0.069	3.64	3.71	0.049	3.37	3.46	0.073	3.33	3.40

Table (6): Effect of some biofertilizers on nitrogen fractions of Giza111 shoots.

Treatment	Bloom stage				Mid pod stage				Late pod stage			
	Sol. N.	Insol. N.	Total. N.	Sol/ Insol %	Sol. N.	Insol. N.	Total. N.	Sol/ Insol %	Sol. N.	Insol. N.	Total. N.	Sol/ In sol%
Control	1.23	4.60	5.83	26.74	1.27	4.76	6.03	26.68	1.12	4.07	5.19	27.52
0.25% Power mix	1.36	4.68	6.04	29.06	1.36	5.24	6.6	25.95	1.22	4.34	5.56	28.11
0.5% Power mix	1.45	5.04	6.49	28.77	1.47	5.51	6.98	26.68	1.19	4.45	5.64	26.74
0.25% Citrine	1.47	4.53	6.00	32.45	1.38	4.52	5.90	30.53	1.28	4.08	5.36	31.37
0.5% Citrine	1.50	4.22	5.72	35.55	1.39	4.44	5.83	31.31	1.24	4.05	5.29	30.62
0.25% Super blue green	1.28	5.10	6.38	25.10	1.29	4.99	6.28	25.85	1.23	4.53	5.76	27.15
0.5% Super blue green	1.37	5.28	6.65	25.95	1.32	5.27	6.59	25.05	1.26	4.17	5.43	30.22

Table (7): Effect of some biofertilizers on nitrogen fractions of Crawford shoots.

Treatment	Bloom stage				Mid pod stage				Late pod stage			
	Sol. N.	Insol. N.	Total. N.	Sol/ Insol %	Sol. N.	Insol. N.	Total. N.	Sol/ Insol %	Sol. N.	Insol. N.	Total. N.	Sol/ In sol %
Control	1.46	4.53	5.99	32.23	1.42	4.63	6.05	30.67	1.32	4.76	6.08	27.73
0.25% Power mix	1.59	4.90	6.49	32.45	1.55	4.84	6.39	32.02	1.48	4.79	6.27	30.90
0.5% Power mix	1.61	4.73	6.34	34.04	1.54	4.88	6.42	31.56	1.46	4.99	6.45	29.26
0.25% Citrine	1.49	4.42	5.91	33.71	1.48	4.54	6.02	32.60	1.48	4.22	5.70	35.07
0.5% Citrine	1.62	4.43	6.05	36.57	1.55	4.48	6.03	34.60	1.49	4.67	6.16	31.91
0.25% Super blue green	1.57	4.83	6.40	32.51	1.52	4.68	6.20	32.48	1.39	4.59	5.98	30.28
0.5% Super blue green	1.66	4.60	6.26	36.09	1.62	4.71	6.33	34.39	1.36	4.51	5.87	30.16