

Table 2: Effect of mineral NPK and biofertilizers (rizobacterin and phosphorein) on the growth measurements of garlic plants during 2004/2005 (S₁) and 2005/2006 (S₂) seasons.

Characters	Plant length (cm)		No. of leaves/plant		plant				Bulbing ratio	
	S ₁	S ₂	S ₁	S ₂	F.W. (g)		D.W. (g)		S ₁	S ₂
Treatments	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂
Control	76.5	72.3	8.9	8.5	79.3	71.9	19.7	18.6	0.36	0.37
120 kg N + 76 kg P ₂ O ₅ + 96 kg K ₂ O /fed	95.8	91.0	11.0	10.9	119.1	110.6	26.5	23.7	0.30	0.30
Rizo. + Phos.	83.5	78.4	9.79	9.0	89.7	78.1	21.6	19.2	0.34	0.36
Rizo. + 60 kg N +38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	90.2	86.1	10.6	10.2	107.7	100.0	24.2	22.5	0.31	0.33
Phos. + 60 kg N + 38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	88.7	85.4	10.1	10.0	100.6	95.1	23.4	21.2	0.32	0.34
Rizo. + Phos. + 60 kg N +38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	98.2	95.7	11.2	11.0	123.5	118.2	27.0	23.2	0.29	0.30
L.S.D. at 0.05	2.18	4.25	0.59	0.40	4.10	4.40	1.07	0.90	0.03	0.04

Rizo. and Phos.: Rizobacterin and Phosphorein, respectively.

Table 4: Effect of mineral NPK and biofertilizers (rizobacterin and phosphorein) on some aspects of bulb yield and its components of garlic plants during 2004/2005 (S₁) and 2005/2006 (S₂) seasons.

Characters	Bulb				No. of		F.W. /clove		Cured yield		Relative	
	Diameter (cm)		F.W. (g)		cloves/bulb		(g)		(ton/fed)		yield (%)	
Treatments	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂
Control	4.40	4.03	40.1	37.1	36.2	33.1	1.11	1.12	5.608	4.997	100	100
120 kg N + 76 kg P ₂ O ₅ + 96 kg K ₂ O /fed	5.80	5.43	61.5	59.4	42.7	40.2	1.44	1.48	8.562	7.904	111	117
Rizo. + Phos.	4.75	4.35	45.8	42.8	38.2	35.1	1.20	1.22	6.233	5.861	126	134
Rizo. + 60 kg N +38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	5.50	5.35	55.6	50.8	41.2	38.2	1.35	1.33	7.533	6.955	134	139
Phos. + 60 kg N + 38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	5.31	5.20	53.5	49.0	40.0	38.0	1.32	1.30	7.106	6.733	152	158
Rizo. + Phos. + 60 kg N +38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	6.0	5.58	66.1	61.5	44.9	40.7	1.47	1.50	8.660	8.306	154	166
L.S.D. at 0.05	0.21	0.20	3.20	3.53	1.91	1.06	0.05	0.06	0.18	0.18	-	-

Rizo. and Phos.: Rizobacterin and Phosphorein, respectively.

Table 5: Effect of mineral NPK and biofertilizers (rizobacterin and phosphorein) on the garlic bulb quality at harvest time during 2004/2005 (S₁) and 2005/2006 (S₂) seasons.

Characters	Minerals content (%)						Total carbohydrate (%)		TSS (%)		Volatile oils (cm ³ /kg F.W.)	
	N		P		K							
	Treatments	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁	S ₂	S ₁
Control	2.20	2.10	0.341	0.336	1.41	1.35	14.0	13.0	3.85	3.90	0.295	0.290
120 kg N + 76 kg P ₂ O ₅ + 96 kg K ₂ O /fed	3.22	2.90	0.571	0.549	2.30	2.05	21.3	20.5	6.05	6.0	0.356	0.337
Rizo. + Phos.	2.42	2.22	0.411	0.387	1.61	1.50	18.2	17.5	4.20	4.15	0.316	0.300
Rizo. + 60 kg N +38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	3.05	2.78	0.467	0.435	2.10	1.88	19.7	19.4	5.60	5.52	0.346	0.327
Phos. + 60 kg N + 38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	2.88	2.55	0.510	0.492	1.83	1.70	19.3	18.6	5.00	5.10	0.344	0.325
Rizo. + Phos. + 60 kg N +38 kg P ₂ O ₅ + 48 kg K ₂ O /fed	3.38	3.18	0.620	0.585	2.45	2.22	21.3	21.1	6.15	6.07	0.363	0.346
L.S.D. at 0.05	0.05	0.15	0.01	0.04	0.09	0.17	1.60	1.75	0.11	0.10	0.01	0.01

Rizo. and Phos.: Rizobacterin and Phosphorein, respectively.

Table 6: Effect of mineral NPK and biofertilizers (rizobacterin and phosphorein) on the weight loss percentage of garlic bulbs during 2004/2005 (S₁) and 2005/2006 (S₂) seasons.

Characters	Weight loss percentage											
	Storage days in S ₁						Storage days in S ₂					
	30	60	90	120	150	180	30	60	90	120	150	180
Treatments												
Control	13.5	16.8	20.7	25.6	29.3	33.8	10.7	14.6	19.9	24.4	27.3	30.7
120 kg N + 76 kg P₂O₅ + 96 kg K₂O /fed	16.2	21.8	27.9	34.5	40.2	46.6	15.5	20.7	25.9	32.1	37.9	43.7
Rizo. + Phos.	14.7	17.2	22.3	26.3	31.7	36.5	12.3	16.9	21.3	25.5	29.3	32.5
Rizo. + 60 kg N +38 kg P₂O₅ + 48 kg K₂O /fed	15.6	19.2	24.3	29.1	35.7	41.5	14.9	19.7	25.1	29.1	34.1	38.9
Phos. + 60 kg N + 38 kg P₂O₅ + 48 kg K₂O /fed	15.4	18.9	23.9	28.7	34.3	40.0	13.9	17.1	22.6	27.1	32.2	38.2
Rizo. + Phos. + 60 kg N +38 kg P₂O₅ + 48 kg K₂O /fed	16.0	20.0	25.6	30.6	37.2	42.2	15.2	20.1	26.0	30.2	34.8	39.7
L.S.D. at 0.05	0.25	0.10	0.05	0.07	0.06	0.07	0.59	1.60	1.48	1.21	1.10	0.43

Rizo. and Phos.: Rizobacterin and Phosphorein, respectively.