

**Table 4:** Effect of Hakaphos, nitrobein and sheep manure and its combined effect on plant growth characters of onion plants during 2011/2012 and 2012/2013 seasons.

Treatments	2011/2012 season				2012/2013 season			
	Plant height (cm)	Number of blades /plant	Neck length (cm)	Diameter of bulbs (cm)	Plant height (cm)	Number of blades /plant	Neck length (cm)	Diameter of bulbs (cm)
Control	38.66	6.00	4.33	4.26	37.00	6.66	4.16	4.30
Hakaphos	39.66	7.33	5.00	5.00	41.00	8.00	4.66	5.23
Nitrobein	39.00	7.00	4.33	4.40	37.33	7.00	4.33	4.50
Sheep manure (SM)	39.00	7.00	4.33	4.73	40.00	7.33	4.50	4.86
Hakaphos+ Nitrobein	44.33	8.00	5.66	5.13	41.66	8.33	5.00	5.20
Hakaphos + SM	43.33	8.00	5.33	5.00	41.33	8.00	4.66	5.26
Nitrobein + SM	39.00	7.33	4.66	4.93	40.33	7.66	4.50	5.00
Hakaphos+ Nitrobein + SM	46.66	8.33	5.66	5.53	43.33	8.33	5.00	6.13
<b>LSD at 0.05</b>	<b>0.63</b>	<b>0.11</b>	<b>NS</b>	<b>0.07</b>	<b>0.30</b>	<b>0.22</b>	<b>0.30</b>	<b>0.10</b>

**Table 5:** Effect of Hakaphos, nitrobein and sheep manure and its combined effect on fresh and dry weight of onion plants, during 2011/2012 and 2012/2013 seasons.

Treatments	2011/2012 season					2012/2013 season				
	Fresh weight/plant (g)		Dry weight/plant (g)		Total dry weight	Fresh weight/plant (g)		Dry weight/plant (g)		Total dry weight
	Blades	Bulbs	Blades	Bulbs		Blades	Bulbs	Blades	Bulbs	
Control	52.33	48.67	5.13	6.53	11.66	54.00	51.33	15.14	14.19	29.33
Hakaphos	62.00	62.67	7.10	8.10	15.2	64.67	65.33	16.19	15.58	31.77
Nitrobein	53.33	52.00	5.16	6.70	11.86	54.67	53.33	15.27	14.39	29.66
Sheep manure (SM)	57.33	57.00	5.20	7.60	12.8	56.00	59.67	15.55	14.50	30.05
Hakaphos+ Nitrobein	80.00	67.00	7.75	9.45	17.2	81.33	69.33	16.56	15.77	32.33
Hakaphos + SM	78.33	65.60	7.50	8.73	16.23	80.33	66.67	16.46	15.70	32.16
Nitrobein+ SM	62.00	62.33	6.06	7.75	13.81	63.67	63.67	16.11	15.27	31.38
Hakaphos+ Nitrobein + SM	81.33	71.33	8.13	9.64	17.77	90.33	73.67	16.71	15.95	32.66
<b>LSD at 0.05</b>	<b>0.83</b>	<b>2.70</b>	<b>0.44</b>	<b>0.79</b>	<b>0.17</b>	<b>1.60</b>	<b>1.75</b>	<b>0.13</b>	<b>0.11</b>	<b>0.21</b>



**Table 6 :** Effect of Hakaphos, nitrobein and sheep manure and its combined effect on yield and its components of onion plants during 2011/2012 and 2012/2013 seasons.

Treatments	2011/2012 season				2012/2013 season			
	Average fresh bulb weight (gm)	Marketable bulb yield/ hectare (ton)	Culls bulb yield/ hectare (ton)	Total bulb yield/ hectare (ton)	Average fresh bulb weight (gm)	Marketable bulb yield/ hectare (ton)	Culls bulb yield/ hectare (ton)	Total bulb yield/ hectare (ton)
Control	108.103	12.364	0.642	13.006	117.926	12.385	0.635	13.02
Hakaphos	132.816	13.339	0.511	13.85	134.280	13.550	0.522	14.072
Nitrobein	113.600	13.154	0.541	13.695	121.443	13.393	0.537	13.93
Sheep manure (SM)	122.783	13.217	0.527	13.744	126.860	13.407	0.530	13.937
Hakaphos+ Nitrobein	135.266	14.148	0.503	14.651	142.350	14.195	0.517	14.712
Hakaphos + SM	134.503	13.453	0.509	13.962	140.563	14.141	0.518	14.659
Nitrobein + SM	130.890	13.255	0.519	13.774	131.886	13.446	0.528	13.974
Hakaphos+ Nitrobein +SM	136.133	14.260	0.502	14.762	146.563	15.124	0.500	15.624
<b>LSD at 0.05</b>	<b>1.876</b>	<b>0.035</b>	<b>0.007</b>	<b>0.21</b>	<b>1.632</b>	<b>0.025</b>	<b>0.008</b>	<b>0.12</b>

**Table 7 :** Effect of Hakaphos, Nitrobein and sheep manure and its combined effect on chemical composition of onion bulbs during 2011/2012 and 2012/2013 seasons.

Treatments	2011/2012 season			2012/2013 season		
	N %	P %	K %	N %	P %	K %
Control	2.233	0.338	3.210	2.239	0.342	3.209
Hakaphos	2.374	0.373	3.246	2.398	0.383	3.261
Nitrobein	2.316	0.345	3.223	2.353	0.354	3.232
Sheep manure (SM)	2.345	0.360	3.233	2.357	0.368	3.244
Hakaphos+ Nitrobein	2.501	0.385	3.273	2.652	0.390	3.283
Hakaphos + SM	2.419	0.379	3.262	2.421	0.389	3.271
Nitrobein + SM	2.369	0.367	3.241	2.380	0.375	3.249
Hakaphos+ Nitrobein + SM	2.659	0.388	3.312	2.875	0.395	3.294
<b>LSD at 0.05</b>	<b>0.038</b>	<b>0.004</b>	<b>0.006</b>	<b>0.016</b>	<b>0.005</b>	<b>0.007</b>

