

Table 2. Studying of growth characters in some cultivars of peas during 2000 and 2001 seasons.

Characters Treatments	Plant length (cm)		Stem diameter (cm)		No. of vegetative nodes		No. of reproductive nodes		Stem F. W. (g)		Stipule F. W. (g)		Tendrill F. W. (g)	
	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
Maro	80.0	84.90	0.60	0.65	11.5	11.97	7.0	7.40	14.21	14.06	13.07	13.04	15.81	15.84
Focus	104.0	103.50	0.60	0.68	15.5	15.97	5.0	5.13	16.19	16.19	13.07	13.03	15.90	15.90
Quasar	112.7	112.83	0.60	0.61	13.0	13.40	4.5	4.83	17.45	17.37	14.20	14.16	15.45	15.43
Flare	117.5	117.83	0.70	0.71	14.0	14.13	7.5	7.63	17.18	17.15	14.29	14.31	14.91	14.95
L. S. D. (0.05)	13.75	9.37	N. S.	0.06	1.82	1.58	1.29	1.19	0.40	0.31	0.13	0.22	0.52	0.48

Table 3. Studying of dry weight of different peas parts in some cultivars during 2000 and 2001 seasons.

Characters Treatments	Stem D. W. (g)		Stipule D. W. (g)		Tendrill D. W. (g)		Total D. W. (g)	
	2000	2001	2000	2001	2000	2001	2000	2001
Maro	3.67	3.70	3.41	3.38	4.43	4.42	11.50	11.49
Focus	4.07	4.04	3.58	3.56	4.56	4.59	12.21	12.20
Quasar	3.34	3.34	3.94	3.62	4.40	4.43	11.68	11.39
Flare	4.03	4.37	3.93	3.91	4.16	3.96	12.23	12.23
L. S. D. (0.05)	N. S.	0.13	0.06	N. S.	N. S.	N. S.	0.45	0.71

Table 4. Studying of yield and its components in some cultivars of peas during 2000 and 2001 seasons.

Characters	No. of pods/plant		Pod F. W. (g)		Pod D. W. (g)		Seed D. W. (g)		No. of seeds/plant		Pod length (cm)		Pod diameter (cm)		Pod thickness (cm)		No. of seed/pods	
	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
Maro	5.40	14.17	24.48	24.94	18.76	18.56	15.98	15.81	74.33	78.00	7.60	7.63	1.43	1.47	0.93	0.97	14.0	5.51
Focus	4.66	13.83	22.23	22.17	17.10	17.14	14.96	15.11	63.50	64.33	6.93	7.00	1.50	1.53	1.00	1.13	13.5	4.72
Quasar	3.51	16.00	22.32	22.25	18.02	17.99	14.95	15.27	52.50	53.17	6.40	6.33	1.53	1.60	1.03	1.20	15.0	3.33
Flare	2.73	14.50	26.66	26.19	17.35	17.45	13.95	13.93	38.00	37.83	6.70	6.70	1.53	1.53	0.90	0.97	14.0	2.62
L. S. D. (0.05)	0.98	N. S.	N. S.	N. S.	N. S.	N. S.	N. S.	N. S.	13.48	13.79	0.19	0.35	N. S.	N. S.	0.07	0.16	N. S.	1.06

Table 5. Studying of photosynthetic activity in some cultivars of peas at bottom leaves (71 days from sowing), during 2000 season.

Characters	eref	delta e	cref	Delta c	Q leaf	U	Ci	E	gs	A
	Treatments									
Maro	16.23	1.33	342	2.67	343.33	203.73	242.67	0.87	0.03	1.71
Focus	16.60	12.10	338	29.00	415.33	203.70	249.00	7.82	0.67	19.10
Quasar	16.83	6.80	338	14.33	198.67	203.00	248.67	4.38	0.23	9.09
Flare	15.20	2.20	341	1.00	147.33	202.43	298.00	1.43	0.06	1.04
L. S. D. (0.05)	0.09	0.35	1.73	4.46	78.72	N. S.	N. S.	0.21	0.02	2.60

Table 6. Studying of photosynthetic activity in some cultivars of peas at bottom leaves (93 days from sowing), during 2000 season.

Characters										
Treatments	eref	delta e	cref	delta c	Q leaf	U	Ci	E	gs	A
Maro	14.23	6.07	347.00	12.33	190.33	204.17	318.00	3.97	1.17	7.80
Focus	14.00	8.10	349.00	37.00	155.00	203.00	295.00	5.26	5.33	24.28
Quasar	14.17	6.13	348.67	43.67	332.67	203.33	257.67	4.02	1.23	28.42
Flare	14.27	3.77	348.00	7.67	375.00	203.47	305.00	2.46	0.28	4.99
L. S. D. (0.05)	0.11	0.25	0.58	0.75	100.50	N. S.	3.95	0.16	1.04	0.53

Table 7. Studying of photosynthetic activity in some cultivars of peas at bottom leaves (100 days from sowing), during 2000 season.

Characters										
Treatments	eref	delta e	cref	delta c	Q leaf	U	Ci	E	gs	A
Maro	12.10	6.53	355.67	8.33	50.00	202.67	332.67	4.28	1.00	5.28
Focus	12.73	5.27	354.67	5.00	47.00	202.67	336.00	3.45	0.67	3.23
Quasar	12.70	3.83	361.00	2.00	55.33	203.47	350.33	2.52	0.37	1.51
Flare	12.53	3.93	354.33	3.67	47.00	202.23	335.33	2.60	0.39	2.37
L. S. D. (0.05)	0.07	0.49	1.10	4.07	5.44	N. S.	N. S.	0.29	0.16	2.30

Table 8. Studying of photosynthetic activity in some cultivars of peas at top leaves (71 days from sowing) during 2000 season.

Characters Treatments	eref	delta e	eref	delta c	Q leaf	U	Ci	E	gs	A
Maro	16.40	9.9	344.00	17.00	881.67	202.53	271.00	6.40	0.42	11.03
Focus	16.13	14.47	343.33	20.00	302.00	203.37	300.33	9.29	1.51	13.18
Quasar	13.87	13.40	351.00	29.00	305.33	203.57	282.33	8.60	1.13	18.79
Flare	12.70	14.27	400.33	20.33	280.67	203.60	355.33	9.24	1.74	13.17
L. S. D. (0.05)	0.08	0.21	16.26	N. S.	16.08	N. S.	10.80	0.20	0.11	N. S.

Table 9. Studying of photosynthetic activity in some cultivars of peas at top leaves (93 days from sowing) during 2000 season.

Characters Treatments	eref	delta e	eref	delta c	Q leaf	U	Ci	E	gs	A
Maro	10.20	10.20	353.67	93.33	392.67	204.17	252.33	6.64	u/r	60.58
Focus	14.20	8.33	349.00	72.67	190.00	203.13	262.00	5.42	u/r	47.38
Quasar	14.50	9.93	347.00	109.00	624.00	203.70	223.00	6.38	u/r	70.96
Flare	14.37	7.23	348.00	55.33	517.00	204.40	227.00	4.71	1.09	36.08
L. S. D. (0.05)	0.17	0.20	N. S.	1.79	48.23	N. S.	6.63	0.21	N. S.	0.79

Table 10. Studying of photosynthetic activity in some cultivars of peas at top leaves (100 days from sowing) during 2000 season.

Characters	eref	delta e	cref	delta c	Q leaf	U	Ci	E	gs	A
Treatments										
Maro	12.5	8.70	360.00	16.00	66.00	202.57	335.00	5.70	6.29	10.33
Focus	12.8	8.00	361.67	29.33	52.00	202.67	317.00	5.27	4.36	19.04
Quasar	12.7	4.30	359.00	17.00	87.00	201.87	294.00	2.87	0.45	11.11
Flare	12.9	5.17	368.67	10.00	87.00	203.00	335.67	3.41	0.63	6.38
L. S. D. (0.05)	N. S.	0.10	1.45	3.41	2.23	N. S.	3.65	0.07	0.60	1.50