



Alexandria University
Faculty of Agric. (Saba-Bacha)

**STUDIES ON OIL LETTUCE (*Lactuca scariola* L., var. *oleifera*)
PRODUCTIVITY AT MARIUT REGION IN THE
WESTERN COAST OF EGYPT**

Presented by

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For the Degree of

MASTER IN AGRICULTURAL SCIENCES

(AGRONOMY)

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دراسات على إنتاجية خس الزيت بمنطقة مريوط بالساحل الغربي بمصر

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قسم الإنتاج النباتي

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Table (3): Effect of planting dates on plant characters in 2005/2006 and 2006/2007 seasons

Characters	2005/2006 Season						2006/2007 Season					
	Plant height (cm)	Plant fresh weight (g)	Plant dry weight (g)	Stem fresh weight (g)	Stem dry weight (g)	Stem/plant ratio %	Plant height (cm)	Plant fresh weight (g)	Plant dry weight (g)	Stem fresh weight (g)	Stem dry weight (g)	Stem/plant ratio %
Planting dates												
Sample at 90 days from sowing												
First October	74.39	315.0	39.38	184.40	23.06	0.58	75.01	337.4	39.21	183.30	22.92	0.58
Mid October	72.05	300.7	37.59	176.40	22.06	0.58	70.66	305.6	38.22	179.40	22.57	0.59
First November	52.36	217.6	27.20	127.30	15.92	0.58	51.95	220.9	27.68	130.50	16.32	0.59
Mid November	30.30	132.8	16.60	77.80	9.72	0.58	32.11	141.8	17.89	79.60	9.94	0.55
L.S.D _{0.05}	0.21	3.10	0.38	2.97	0.25	N.S.	0.25	4.95	0.61	3.69	0.36	0.02
Sample at 111 days from sowing												
First October	93.21	627.0	77.74	387.3	44.58	0.57	94.33	636.6	78.90	394.20	46.11	0.58
Mid October	89.09	608.3	75.42	370.1	42.57	0.56	89.71	624.1	77.39	386.80	45.29	0.58
First November	68.96	543.8	67.42	333.4	38.40	0.57	70.81	552.2	68.48	341.90	40.07	0.58
Mid November	40.71	250.8	31.10	152.8	17.59	0.56	43.59	269.7	33.46	59.63	19.87	0.59
L.S.D _{0.05}	0.76	6.64	0.97	4.02	0.71	N.S.	1.03	7.03	0.43	0.93	0.33	N.S.
Sample at 132 days from sowing												
First October	105.30	588.2	77.95	365.8	40.80	0.52	104.70	593.7	77.91	359.9	40.09	0.51
Mid October	105.05	580.8	76.98	361.2	40.54	0.52	104.30	590.1	77.50	361.0	40.29	0.52
First November	93.85	558.3	75.01	357.3	40.08	0.52	93.59	570.1	75.08	360.5	40.20	0.51
Mid November	86.16	442.6	65.46	282.4	36.59	0.51	85.19	459.9	67.59	295.8	29.04	0.43
L.S.D _{0.05}	0.63	9.39	1.32	7.87	0.84	N.S.	0.69	6.61	0.97	17.13	0.59	0.03

Table (4): Effect of planting dates on leaves characters in 2005/2006 and 2006/2007 seasons

Characters	2005/2006 Season						2006/2007 Season							
	Leaves fresh weight (g)	Leaves dry weight (g)	Leaf area/ plant (cm) ²	Leaf area index	Specific leaf weight mg/ cm ²	Specific leaf area cm ² / cm ³	Leaves /plant ratio %	Leaves fresh weight (g)	Leaves dry weight (g)	Leaves area/ plant (cm) ²	Leaf area index	Specific leaf weight mg/ cm ²	Specific leaf area cm ² / cm ³	Leaves/ plant ratio %
Planting dates														
Sample at 90 days from sowing														
First October	130.6	16.32	3265	3.26	4.99	0.02	0.41	141.0	17.23	3253	3.25	5.01	0.02	0.44
Mid October	124.27	15.53	3106	3.10	4.97	0.02	0.41	125.1	15.66	3128	3.12	4.99	0.02	0.40
First November	90.28	11.28	2257	2.25	4.99	0.02	0.41	90.45	11.34	2261	2.26	5.00	0.02	0.40
Mid November	55.07	6.88	1376	1.37	4.99	0.02	0.41	55.19	6.90	1379	1.38	5.00	0.02	0.38
L.S.D _{0.05}	1.12	0.14	28.17	0.02	NS	N.S.	N.S	1.21	0.14	28.28	0.03	NS	N.S.	0.02
Sample at 111 days from sowing														
First October	239.7	33.86	5992	5.99	5.51	0.03	0.43	242.3	32.80	6037	6.03	5.43	0.03	0.41
Mid October	233.1	32.05	5961	5.96	5.47	0.03	0.42	237.3	32.15	5912	5.91	5.49	0.03	0.41
First November	210.4	29.02	5260	5.26	5.51	0.03	0.43	210.2	28.49	5238	5.23	5.43	0.03	0.41
Mid November	97.99	13.51	2449	2.44	5.51	0.3	0.43	103.2	13.68	2512	2.51	5.41	0.02	0.40
L.S.D _{0.05}	3.33	0.46	83.49	0.08	NS	N.S.	N.S	1.64	0.42	52.65	0.05	NS	N.S.	N.S.
Sample at 132 days from sowing														
First October	222.3	37.87	5267	5.26	7.18	0.02	0.48	233.9	38.50	5280	5.28	7.29	0.02	0.49
Mid October	219.6	36.44	5238	5.23	6.95	0.02	0.47	229.0	36.19	5217	5.21	7.12	0.02	0.46
Firs November	200.5	34.75	5133	5.13	6.77	0.02	0.46	209.1	35.01	5162	5.16	7.02	0.02	0.45
Mid November	160.3	28.62	3777	3.77	7.57	0.02	0.43	163.0	29.54	3867	3.86	7.59	0.01	0.44
L.S.D _{0.05}	3.21	1.66	42.04	0.04	0.33	N.S.	0.03	6.56	1.39	66.53	0.04	N.S.	N.S.	0.02