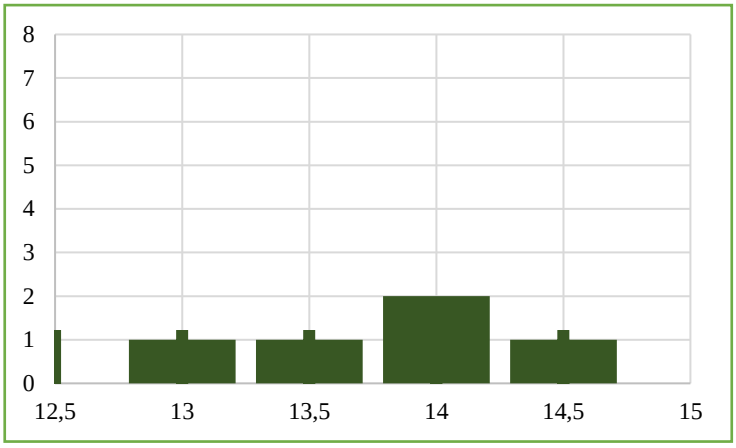
Table 1: Raw data for 0,00 cm^3g^{-1} olive/chamomile oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	14,4	211
2	14,0	245
3	13,7	132
4	13,4	203
5	12,8	223
6	12,0	206
7	11,5	112
8	11,0	116
9	10,7	98
10	10,6	156
11	10,3	141
12	9,5	86
13	9,4	82
14	9,2	92
15	9,2	96
16	9,2	93
17	9,1	99
18	9,1	94
19	9,0	85
20	8,8	87

Graph 1: Normal distribution for 0,00 cm^3g^{-1} olive/chamomile oil group for length.



Graph 2: Normal distribution for 0,00 cm^3g^{-1} olive/chamomile group for surface areat.

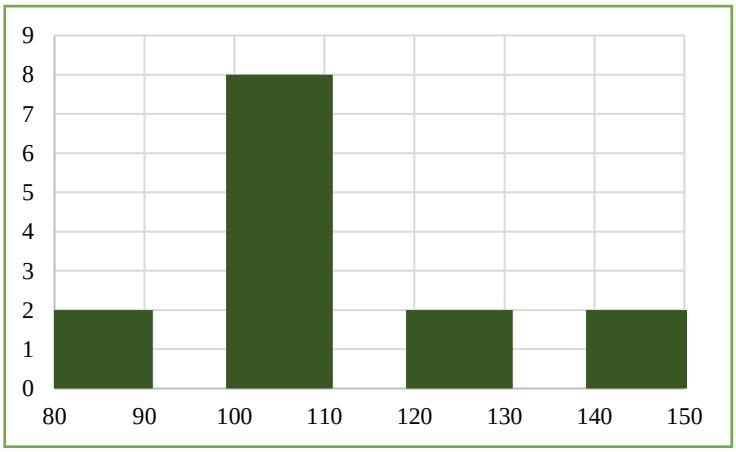
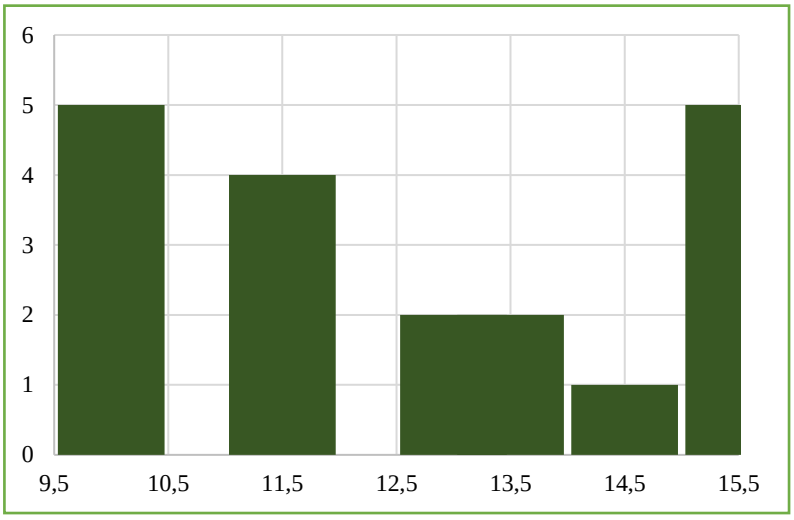


Table 2: Raw data for 0,03 cm^3g^{-1} olive oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	15,2	263
2	15,1	246
3	14,9	251
4	14,7	233
5	14,7	243
6	14,3	245
7	13,5	225
8	13,2	257
9	13,0	239
10	12,8	247
11	11,2	198
12	11,2	221
13	10,3	177
14	10,1	200
15	9,9	159
16	9,9	177
17	9,8	162
18	9,7	166
19	9,7	161

Graph 3: Normal distribution for 0,03 cm^3g^{-1} olive oil group for length.



Graph 4: Normal distribution for 0,03 cm^3g^{-1} olive oil group for surface area.

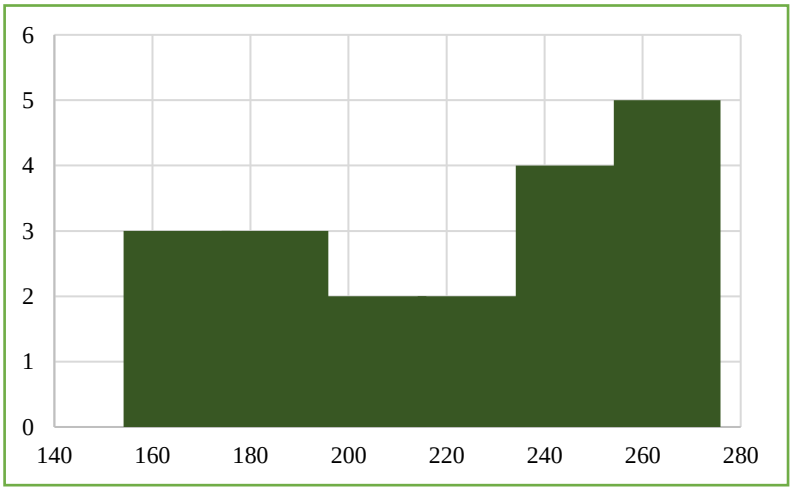
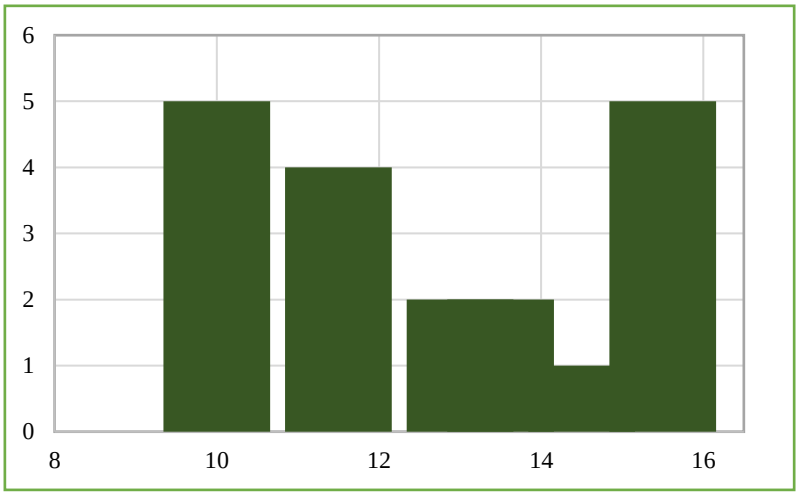


Table 3: Raw data for 0,10 cm^3g^{-1} olive oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	15,6	233
2	14,0	217
3	13,9	209
4	11,3	195
5	9,7	93
6	9,7	99
7	9,4	175
8	9,3	134
9	9,0	104
10	8,5	83
11	8,4	88
12	8,2	81
13	7,5	78
14	7,4	83
15	7,3	77
16	7,0	71

Graph 5: Normal distribution for 0,10 cm^3g^{-1} olive oil group for length.



Graph 6: Normal distribution for 0,10 cm^3g^{-1} olive oil group for surface area.

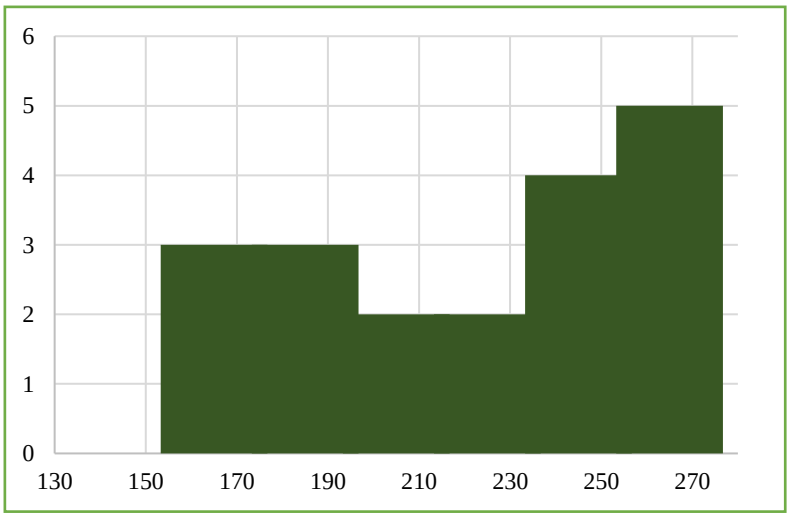
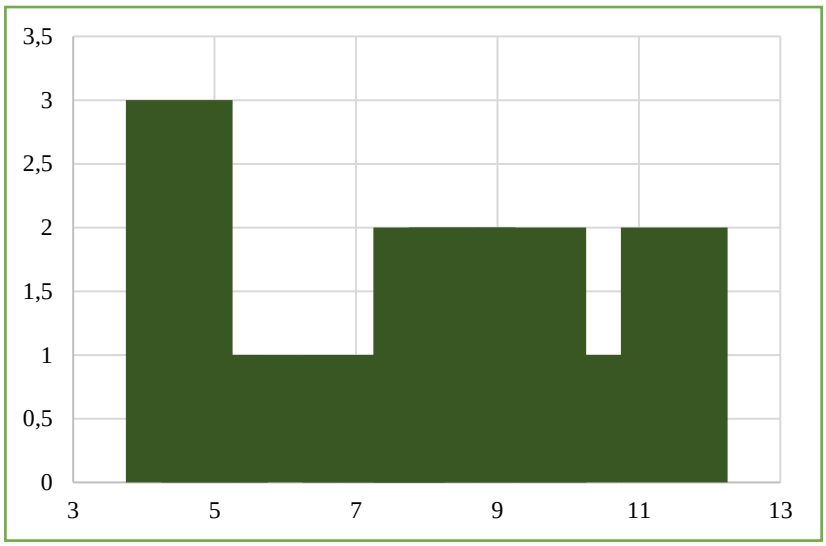


Table 4: Raw data for 0,17 cm^3g^{-1} olive oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	10,4	176
2	10,2	153
3	9,7	144
4	9,4	150
5	9,2	100
6	8,4	113
7	8,2	131
8	8,0	77
9	7,9	139
10	7,5	81
11	6,9	76
12	5,6	69
13	4,7	61
14	4,5	59
15	4,4	58
16	4,4	63

Graph 7: Normal distribution for 0,17 cm^3g^{-1} olive oil group for length.



Graph 8: Normal distribution for 0,17 cm^3g^{-1} olive oil group for surface area.

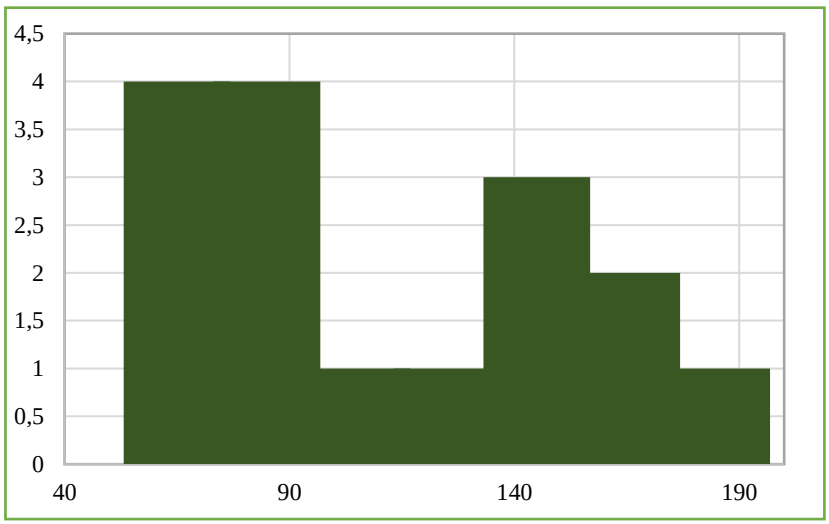
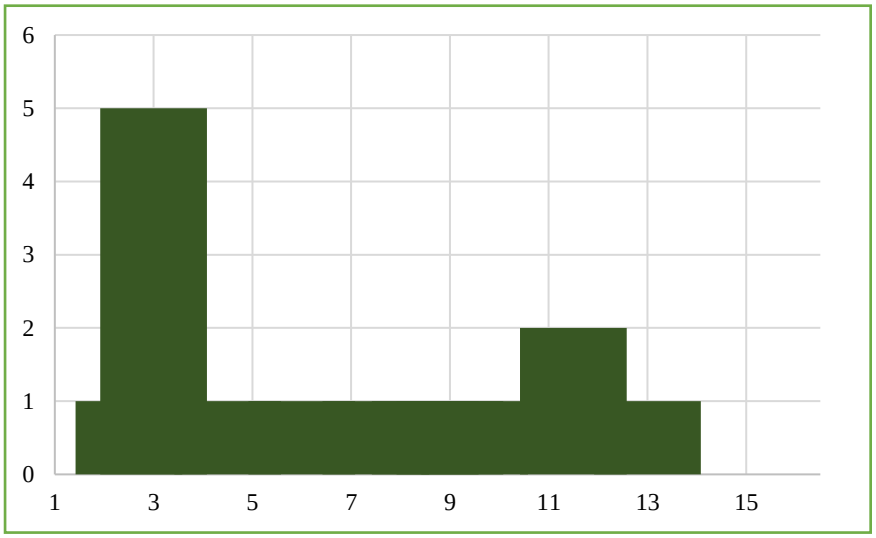


Table 5: Raw data for 0,23 cm^3g^{-1} olive oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	12,8	101
2	11,5	112
3	11,1	107
4	9,2	77
5	8,8	91
6	8,3	68
7	7,5	53
8	6,0	61
9	4,2	52
10	3,0	45
11	2,9	46
12	2,8	51
13	2,8	44
14	2,7	53
15	2,5	41

Graph 9: Normal distribution for 0,23 cm^3g^{-1} olive oil group for length.



Graph 10: Normal distribution for 0,23 cm^3g^{-1} olive oil group for surface area.

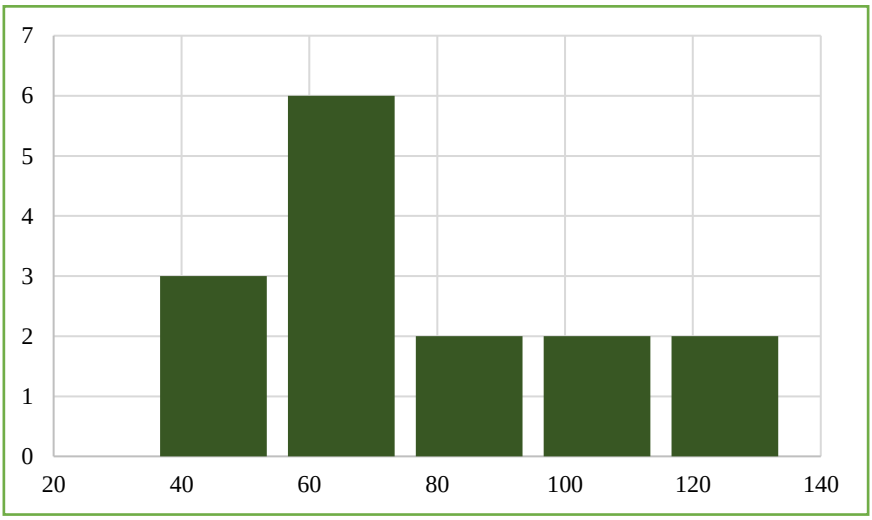
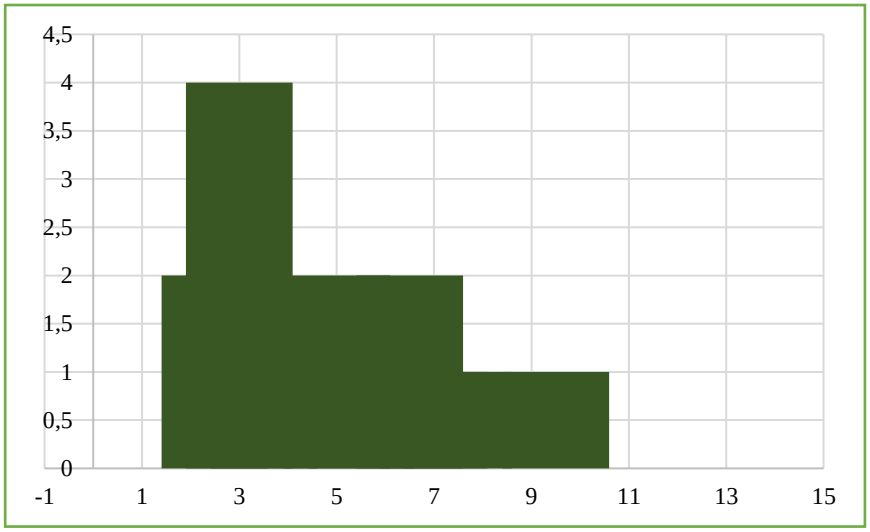


Table 6: Raw data for 0,30 cm^3g^{-1} olive oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	9,4	78
2	7,4	65
3	7,0	57
4	6,3	38
5	6,2	56
6	5,4	44
7	5,0	41
8	4,9	22
9	3,1	34
10	2,9	12
11	2,9	13
12	2,7	14
13	2,6	11
14	2,5	10
15	2,5	13

Graph 11: Normal distribution for 0,30 cm^3g^{-1} olive oil group for length.



Graph 12: Normal distribution for 0,30 cm^3g^{-1} olive oil group for surface area.

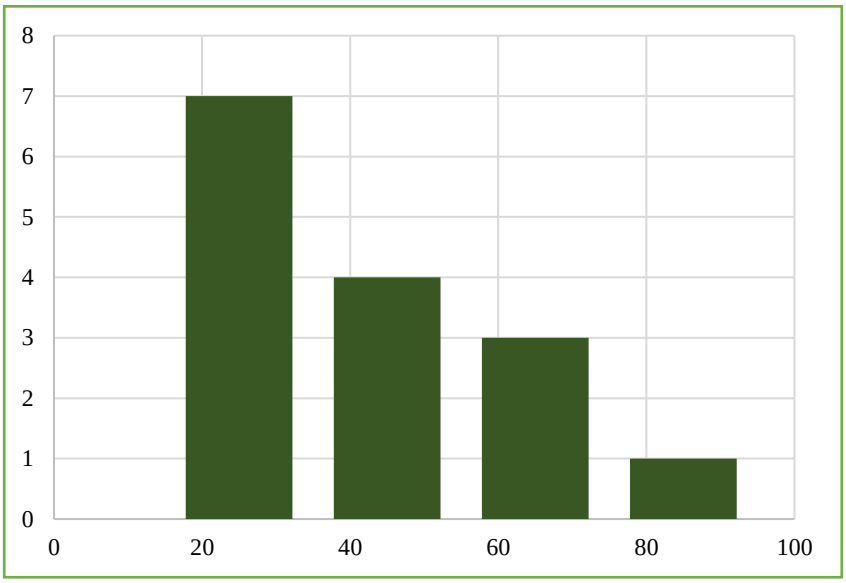
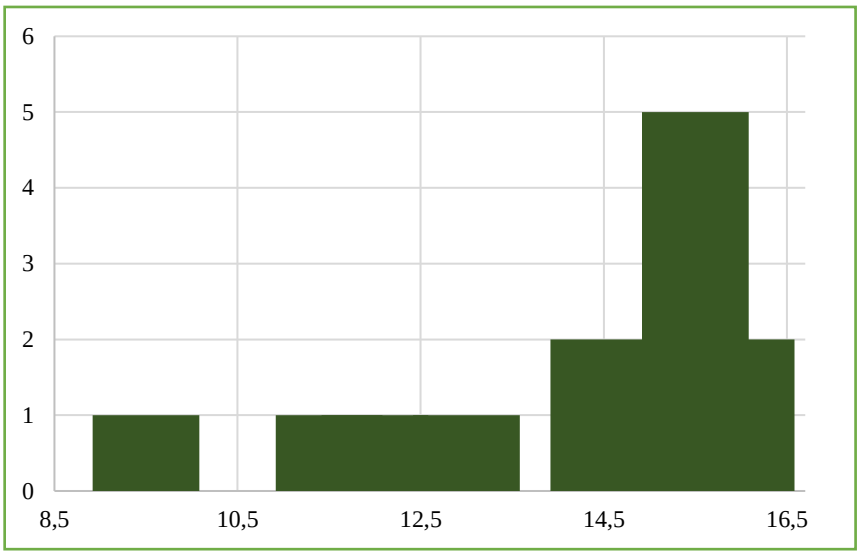


Table 7: Raw data for 0,03 cm^3g^{-1} chamomile oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	16,3	287
2	16,1	244
3	16,0	240
4	15,6	275
5	15,5	266
6	15,2	213
7	15,1	256
8	14,9	233
9	14,7	199
10	14,2	213
11	14,1	221
12	13,0	155
13	11,9	165
14	10,1	202
15	9,2	179

Graph 13: Normal distribution for 0,03 cm^3g^{-1} chamomile oil group for length.



Graph 14: Normal distribution for 0,03 cm^3g^{-1} chamomile oil group for surface area.

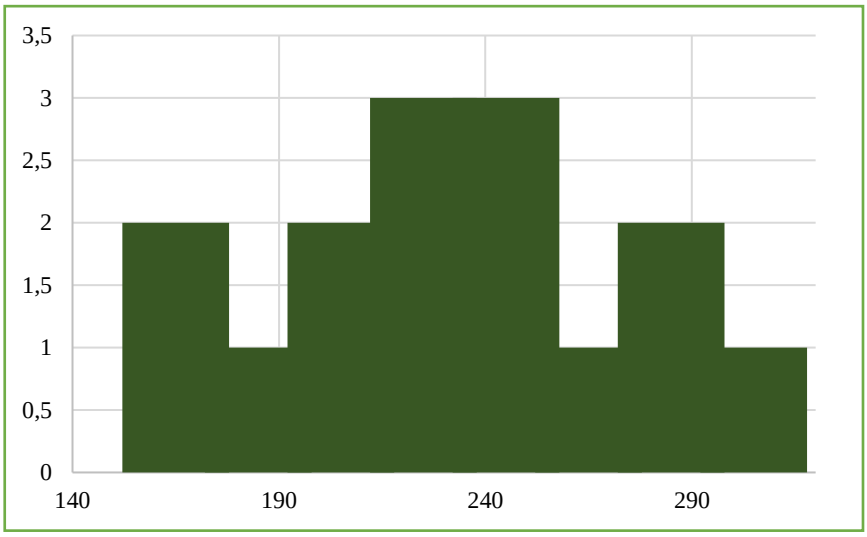
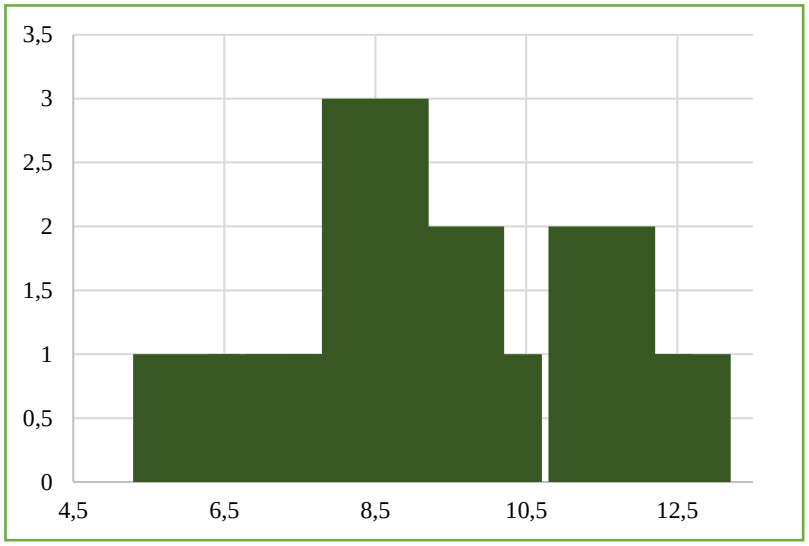


Table 8: Raw data for 0,10 cm^3g^{-1} chamomile oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	12,3	198
2	11,6	203
3	10,4	176
4	10,1	145
5	9,9	136
6	9,5	121
7	9,1	98
8	9,0	114
9	8,5	100
10	8,4	127
11	8,2	151
12	7,8	178
13	7,3	133
14	7,0	126
15	5,6	91

Graph 15: Normal distribution for 0,10 cm^3g^{-1} chamomile oil group for length.



Graph 16: Normal distribution for 0,10 cm^3g^{-1} chamomile oil group for surface area.

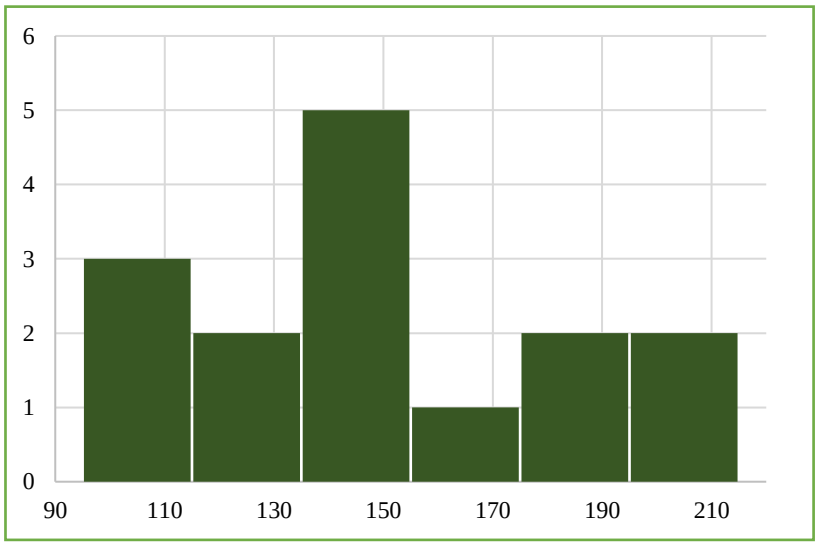
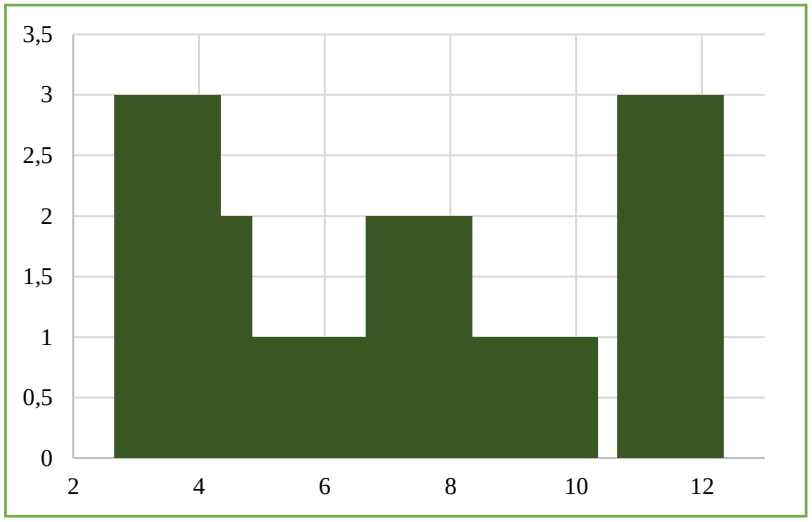


Table 9: Raw data for 0,17 cm^3g^{-1} chamomile oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	11,2	148
2	10,3	154
3	10,2	142
4	9,2	131
5	8,2	128
6	7,4	136
7	7,3	97
8	6,9	146
9	6,3	56
10	5,8	82
11	4,7	76
12	3,7	34
13	3,6	31
14	3,5	26
15	3,4	28
16	3,4	32

Graph 17: Normal distribution 0,17 cm^3g^{-1} chamomile oil group for length.



Graph 18: Normal distribution for 0,17 cm^3g^{-1} chamomile oil group for surface area.

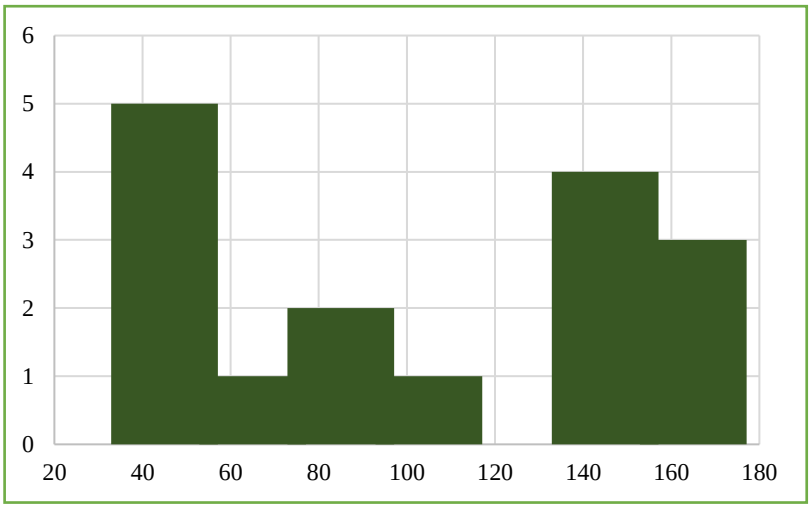
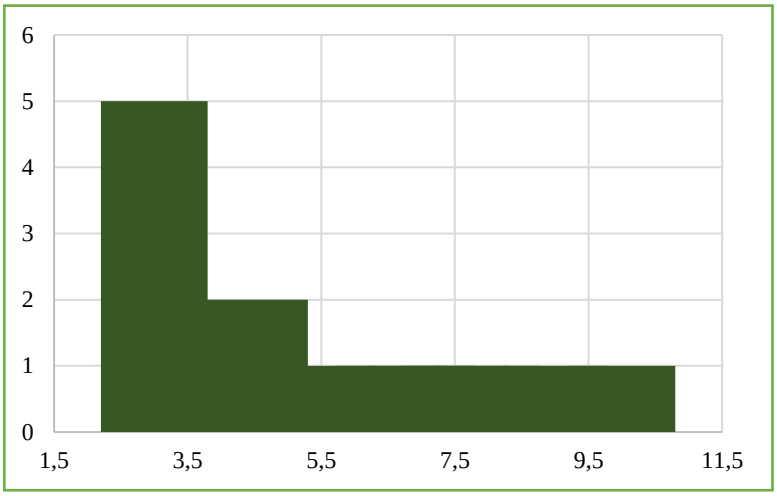


Table 10: Raw data for 0,23 cm^3g^{-1} chamomile oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	9,7	82
2	8,7	76
3	8,0	77
4	7,2	83
5	6,9	85
6	6,1	65
7	5,1	23
8	4,5	51
9	4,2	35
10	3,3	24
11	2,9	25
12	2,9	38
13	2,7	22
14	2,6	23
15	2,6	19

Graph 19: Normal distribution for 0,23 cm^3g^{-1} chamomile oil for length.



Graph 20: Normal distribution for 0,23 cm^3g^{-1} chamomile oil group for surface area.

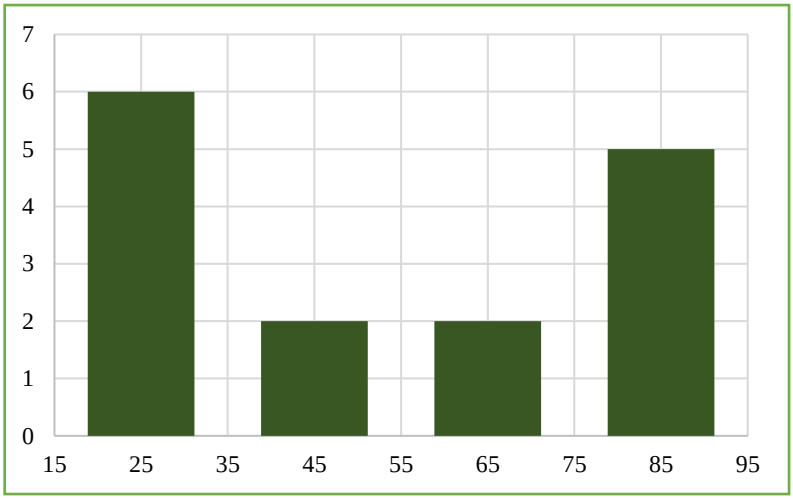
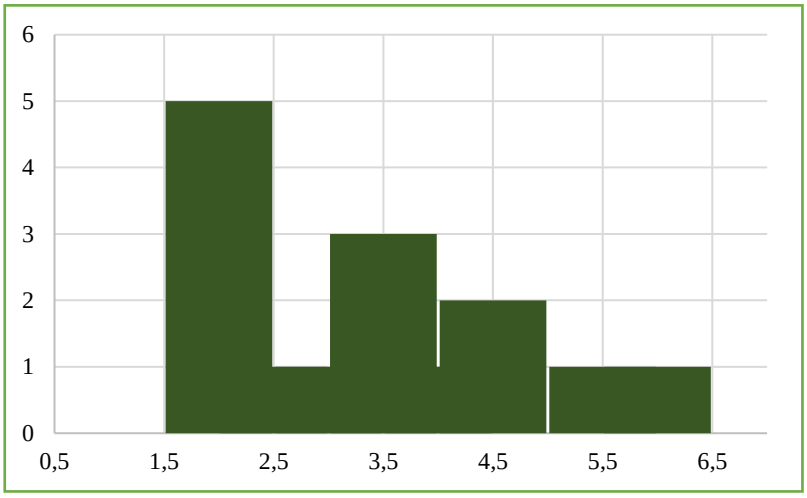


Table 11: Raw data for 0,30 cm^3g^{-1} chamomile oil group.

Plant number	Length [cm]	Surface area of leaves [mm^2]
1	5,7	59
2	5,2	50
3	4,3	32
4	4,1	25
5	3,9	50
6	3,4	51
7	3,3	49
8	3,2	50
9	2,7	22
10	2,1	36
11	1,9	23
12	1,9	24
13	1,9	45
14	1,9	24
15	1,7	19
16	1,7	21

Graph 21: Normal distribution for 0,30 cm^3g^{-1} chamomile oil group for length.



Graph 22: Normal distribution for 0,30 cm^3g^{-1} chamomile oil group for surface area.

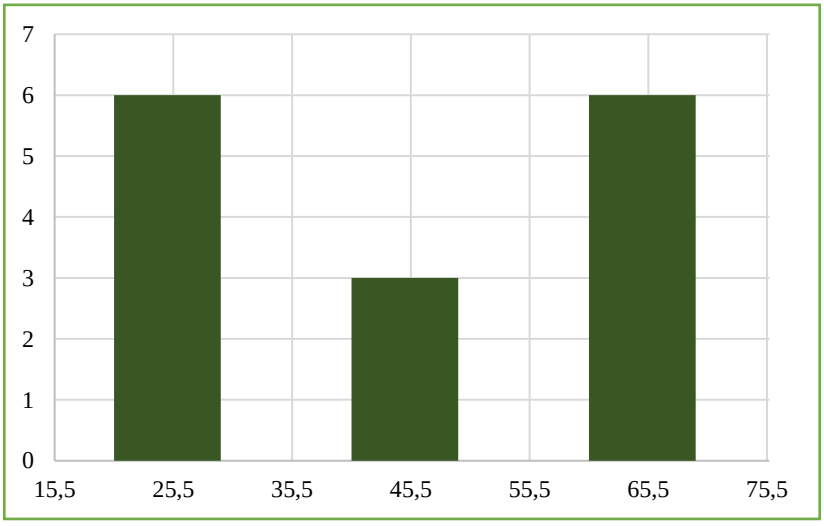


Table 12: Results of tests of between-subjects effects of the two-way ANOVA for lenght of the plant.

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1877,410	11	170,674	31,767	<0,001
Intercept	12493,334	1	12493,334	2325,330	<0,001
Oil type	8,978	1	8,978	1,671	0,198
Concentration	1814,931	5	362,986	67,561	<0,001
Oil type * concentration	53,501	5	10,700	1,992	0,082
Error	902,616	168	5,373		
Total	15273,360	180			
Corrected Total	2780,026	179			

Table 13: Results of tests of between-subjects effects of the two-way ANOVA for surface area of true leaves.

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	658463,617	11	59860,329	35,255	<0,001
Intercept	2270706,050	1	2270706,050	1337,333	<0,001
Oil type	42,050	1	42,050	0,025	0,875
Concentration	651928,517	5	130385,703	76,791	<0,001
Oil type * concentration	6493,050	5	1298,610	0,765	0,576
Error	285253,333	168	1697,937		
Total	3214423,000	180			
Corrected Total	943716,950	179			

Table 14: Full calculations of the Tukey-Kramer HSD test for olive oil.

Dependent Variable	(I) concentration	(J) concentration	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Length of plant	0,00	0,03	-1,42868	0,79351	0,470	-3,7368	,8794
		0,10	1,08250	0,83078	0,783	-1,3340	3,4990
		0,17	3,38250*	0,83078	0,001	,9660	5,7990
		0,23	4,43833*	0,84603	<0,001	1,9775	6,8992
		0,30	6,12500*	0,84603	<0,001	3,6642	8,5858
	0,03	0,00	1,42868	0,79351	0,470	-,8794	3,7368
		0,10	2,51118*	0,84044	0,040	,0666	4,9558
		0,17	4,81118*	0,84044	<0,001	2,3666	7,2558
		0,23	5,86702*	0,85552	<0,001	3,3786	8,3555
		0,30	7,55368*	0,85552	<0,001	5,0652	10,0421
	0,10	0,00	-1,08250	0,83078	0,783	-3,4990	1,3340
		0,03	-2,51118*	0,84044	0,040	-4,9558	-,0666
		0,17	2,30000	0,87572	0,101	-,2472	4,8472
		0,23	3,35583*	0,89020	0,004	,7665	5,9452
		0,30	5,04250*	0,89020	<0,001	2,4532	7,6318
	0,17	0,00	-3,38250*	0,83078	0,001	-5,7990	-,9660
		0,03	-4,81118*	0,84044	<0,001	-7,2558	-2,3666
		0,10	-2,30000	0,87572	0,101	-4,8472	,2472
		0,23	1,05583	0,89020	0,842	-1,5335	3,6452
		0,30	2,74250*	0,89020	0,031	,1532	5,3318
	0,23	0,00	-4,43833*	0,84603	<0,001	-6,8992	-1,9775
		0,03	-5,86702*	0,85552	<0,001	-8,3555	-3,3786
		0,10	-3,35583*	0,89020	0,004	-5,9452	-,7665
		0,17	-1,05583	0,89020	0,842	-3,6452	1,5335
		0,30	1,68667	0,90444	0,430	-,9441	4,3174
	0,30	0,00	-6,12500*	0,84603	<0,001	-8,5858	-3,6642

		0,03	-7,55368*	0,8555 2	<0,001	-10,0421	-5,0652
		0,10	-5,04250*	0,8902 0	<0,001	-7,6318	-2,4532
		0,17	-2,74250*	0,8902 0	0,031	-5,3318	-,1532
		0,23	-1,68667	0,9044 4	0,430	-4,3174	,9441
Surface area of true leaves	0,00	0,03	-81,36053*	13,619 21	<0,001	-120,9749	-41,7462
		0,10	6,60000	14,258 96	0,997	-34,8752	48,0752
		0,17	29,72500	14,258 96	0,304	-11,7502	71,2002
		0,23	66,05000*	14,520 61	<0,001	23,8137	108,2863
		0,30	98,98333*	14,520 61	<0,001	56,7471	141,2196
	0,03	0,00	81,36053*	13,619 21	<0,001	41,7462	120,9749
		0,10	87,96053*	14,424 76	<0,001	46,0031	129,9180
		0,17	111,08553*	14,424 76	<0,001	69,1281	153,0430
		0,23	147,41053*	14,683 46	<0,001	104,7006	190,1205
		0,30	180,34386*	14,683 46	<0,001	137,6339	223,0538
	0,10	0,00	-6,60000	14,258 96	0,997	-48,0752	34,8752
		0,03	-87,96053*	14,424 76	<0,001	-129,9180	-46,0031
		0,17	23,12500	15,030 26	0,640	-20,5937	66,8437
		0,23	59,45000*	15,278 71	0,002	15,0087	103,8913
		0,30	92,38333*	15,278 71	<0,001	47,9420	136,8247
	0,17	0,00	-29,72500	14,258 96	0,304	-71,2002	11,7502
		0,03	-111,08553*	14,424 76	<0,001	-153,0430	-69,1281
		0,10	-23,12500	15,030 26	0,640	-66,8437	20,5937
		0,23	36,32500	15,278 71	0,175	-8,1163	80,7663
		0,30	69,25833*	15,278 71	<0,001	24,8170	113,6997
	0,23	0,00	-66,05000*	14,520 61	<0,001	-108,2863	-23,8137
		0,03	-147,41053*	14,683 46	<0,001	-190,1205	-104,7006
		0,10	-59,45000*	15,278 71	0,002	-103,8913	-15,0087

		0,17	-36,32500	15,27871	0,175	-80,7663	8,1163
		0,30	32,93333	15,52318	0,285	-12,2191	78,0858
	0,30	0	-98,98333*	14,52061	<0,001	-141,2196	-56,7471
		0,03	-180,34386*	14,68346	<0,001	-223,0538	-137,6339
		0,10	-92,38333*	15,27871	<0,001	-136,8247	-47,9420
		0,17	-69,25833*	15,27871	<0,001	-113,6997	-24,8170
		0,23	-32,93333	15,52318	0,285	-78,0858	12,2191
*. The mean difference is significant at the 0.05 level.							

Table 15: Full calculations of the Tukey-Kramer HSD test for chamomile oil.

Dependent Variable	(I) concentration	(J) concentration	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Length of plant	0,00	0,03	-3,28167*	0,71320	<0,001	-5,3580	-1,2053
		0,10	1,86500	0,71320	0,104	-,2114	3,9414
		0,17	4,27625*	0,70035	<0,001	2,2373	6,3152
		0,23	5,68500*	0,71320	<0,001	3,6086	7,7614
		0,30	7,78875*	0,70035	<0,001	5,7498	9,8277
	0,03	0,00	3,28167*	0,71320	<0,001	1,2053	5,3580
		0,10	5,14667*	0,76245	<0,001	2,9269	7,3664
		0,17	7,55792*	0,75044	<0,001	5,3731	9,7427
		0,23	8,96667*	0,76245	<0,001	6,7469	11,1864
		0,30	11,07042*	0,75044	<0,001	8,8856	13,2552
	0,10	0,00	-1,86500	0,71320	0,104	-3,9414	,2114
		0,03	-5,14667*	0,76245	<0,001	-7,3664	-2,9269
		0,17	2,41125*	0,75044	0,022	,2265	4,5960
		0,23	3,82000*	0,76245	<0,001	1,6003	6,0397
		0,30	5,92375*	0,75044	<0,001	3,7390	8,1085
	0,17	0,00	-4,27625*	0,70035	<0,001	-6,3152	-2,2373
		0,03	-7,55792*	0,75044	<0,001	-9,7427	-5,3731
		0,10	-2,41125*	0,75044	0,022	-4,5960	-,2265
		0,23	1,40875	0,75044	0,423	-,7760	3,5935
		0,30	3,51250*	0,73823	<0,001	1,3633	5,6617
	0,23	0,00	-5,68500*	0,71320	<0,001	-7,7614	-3,6086
		0,03	-8,96667*	0,76245	<0,001	-11,1864	-6,7469
		0,10	-3,82000*	0,76245	<0,001	-6,0397	-1,6003
		0,17	-1,40875	0,75044	0,423	-3,5935	,7760
		0,30	2,10375	0,75044	0,066	-,0810	4,2885
	0,30	0,00	-7,78875*	0,70035	<0,001	-9,8277	-5,7498

		0,03	-11,07042*	0,75044	<0,001	-13,2552	-8,8856
		0,10	-5,92375*	0,75044	<0,001	-8,1085	-3,7390
		0,17	-3,51250*	0,73823	<0,001	-5,6617	-1,3633
		0,23	-2,10375	0,75044	0,066	-4,2885	0,0810
Surface area of true leaves	0,00	0,03	-90,35000*	13,67451	<0,001	-130,1611	-50,5389
		0,10	-6,95000	13,67451	0,996	-46,7611	32,8611
		0,17	42,41250*	13,42811	0,025	3,3188	81,5062
		0,23	84,31667*	13,67451	<0,001	44,5055	124,1278
		0,30	96,60000*	13,42811	<0,001	57,5063	135,6937
	0,03	0,00	90,35000*	13,67451	<0,001	50,5389	130,1611
		0,10	83,40000*	14,61867	<0,001	40,8401	125,9599
		0,17	132,76250*	14,38844	<0,001	90,8729	174,6521
		0,23	174,66667*	14,61867	<0,001	132,1068	217,2266
		0,30	186,95000*	14,38844	<0,001	145,0604	228,8396
	0,10	0,00	6,95000	13,67451	0,996	-32,8611	46,7611
		0,03	-83,40000*	14,61867	<0,001	-125,9599	-40,8401
		0,17	49,36250*	14,38844	0,011	7,4729	91,2521
		0,23	91,26667*	14,61867	<0,001	48,7068	133,8266
		0,30	103,55000*	14,38844	<0,001	61,6604	145,4396
	0,17	0,00	-42,41250*	13,42811	0,025	-81,5062	-3,3188
		0,03	-132,76250*	14,38844	<0,001	-174,6521	-90,8729
		0,10	-49,36250*	14,38844	0,011	-91,2521	-7,4729
		0,23	41,90417*	14,38844	0,050	,0146	83,7938
		0,30	54,18750*	14,15447	0,003	12,9791	95,3959
	0,23	0,00	-84,31667*	13,67451	<0,001	-124,1278	-44,5055
		0,03	-174,66667*	14,61867	<0,001	-217,2266	-132,1068

		0,10	-91,26667*	14,61867	<0,001	-133,8266	-48,7068
		0,17	-41,90417*	14,38844	0,050	-83,7938	-0,0146
		0,30	12,28333	14,38844	0,956	-29,6063	54,1729
	0,30	0,00	-96,60000*	13,42811	<0,001	-135,6937	-57,5063
		0,03	-186,95000*	14,38844	<0,001	-228,8396	-145,0604
		0,10	-103,55000*	14,38844	<0,001	-145,4396	-61,6604
		0,17	-54,18750*	14,15447	0,003	-95,3959	-12,9791
		0,23	-12,28333	14,38844	0,956	-54,1729	29,6063

*. The mean difference is significant at the 0.05 level.

Table 16: Descriptive statistics for olive and chamomile oil for length of plant dependent variable.

Type of oil	Concentration [cm^3g^{-1}]	Mean [cm ±0,1 cm]	Standard Deviation [cm ±0,1 cm]	N
Olive oil	0,00	10,8	1,90	20
	0,03	12,3	2,16	19
	0,10	9,8	2,62	16
	0,17	7,5	2,14	16
	0,23	6,4	3,70	15
	0,30	4,7	2,19	15
	Total	8,8	3,57	101
Chamomile oil	0,00	10,8	1,90	20
	0,03	14,1	2,17	15
	0,10	9,0	1,75	15
	0,17	6,6	2,71	16
	0,23	5,2	2,44	15
	0,30	3,1	1,30	16
	Total	8,2	4,18	97
Total	0,00	10,8	1,88	40
	0,03	13,1	2,33	34
	0,10	9,4	2,24	31
	0,17	7,1	2,44	32
	0,23	5,8	3,14	30
	0,30	3,9	1,95	31
	Total	8,5	3,88	198

Table 17: Descriptive statistics for olive and chamomile oil surface area of true leaves dependent variable.

Type of oil	Concentration [cm^3g^{-1}]	Mean [mm^2 ± 2 mm^2]	Standard Deviation [$mm^2 \pm 2$ mm^2].	N
Olive oil	0,00	133	54,3	20
	0,03	214	37,1	19
	0,10	126	58,3	16
	0,17	103	40,2	16
	0,23	67	24,6	15
	0,30	34	22,5	15
	Total	118	70,9	101
Chamomile oil	0,00	131	54,	20
	0,03	223	39,4	15
	0,10	140	35,3	15
	0,17	90	50,3	16
	0,23	49	26,5	15
	0,30	37	13,9	16
	Total	112	73,0	97
Total	0,00	133	53,6	40
	0,03	218	37,8	34
	0,10	133	48,3	31
	0,17	97	45,3	32
	0,23	58	26,8	30
	0,30	35	18,3	31
	Total	115	71,8	198