Appendix 1

Table 1: Consumption of paper disc treated with methanolic extract and essential oil of *A. galanga* by *C. gestroi* in choice assay after 24, 48 and 72 hours.

		Replicate										
Treatment		1	2	3	4	5	6	7	8	9	10	Mean
Methanolic Ext.	24 hours	8.1	7.5	6.8	7.4	7.5	6.7	7.3	6.9	7.3	7.6	7.31
Control		7.3	6.8	7	6.9	7.2	7.5	7.1	6.9	7.6	7.4	7.17
Methanolic Ext.	48 hours	12.1	12.5	11.8	13.4	12.5	11.7	13.3	12.9	11.3	12.6	12.41
Control		11.3	12.8	12.7	11.9	12.2	11.5	13.1	12.6	11.6	12.4	12.24
Methanolic Ext.	72 hours	14.1	15.5	14.8	16.4	15.5	16.7	14.3	14.9	16.3	15.6	15.41
Control		15.3	14.8	17	16.9	15.2	14.5	17.1	14.9	15.6	16.4	15.77
Essential oil	24 hours	3.1	3.5	3	3.2	3.5	3.6	3.2	3	3.3	3.1	3.3
Control		7.5	6.9	7.2	6.4	7.1	7	7.3	6.8	7.2	6.5	7
Essential oil	48 hours	5	4.8	5.1	5.3	4.7	5.1	5.4	5.2	5	5.4	5.10
Control		12.1	11.5	12.4	12.6	12	11.8	11.2	12.6	13	12.8	12.20
Essential oil	72 hours	7.1	7.5	8	9.1	8.5	7.9	8.1	8.7	7.4	8.7	8.10
Control		16.7	15.9	16.1	15.4	14.5	14.9	16	15.7	16.5	16.8	15.85

Anova: Two-Factor With Replication

SUMMARY	Treated	Control	Total
Methanolic Ext			
Count	10	10	20
Sum	73.1	71.7	144.8
Average	7.31	7.17	7.24
Variance	0.176556	0.075667	0.124632
Essential oil			
Count	10	10	20
Sum	32.5	69.9	102.4
Average	3.25	6.99	5.12
Variance	0.047222	0.121	3.760632
Total			
Count	20	20	
Sum	105.6	141.6	
Average	5.28	7.08	
Variance	4.443789	0.101684	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	44.944	1	44.944	427.5856	1.45E-21	4.113165
Columns	32.4	1	32.4	308.2452	3.11E-19	4.113165
Interaction	37.636	1	37.636	358.0592	2.72E-20	4.113165
Within	3.784	36	0.105111			
Total	118.764	39				

Table 2: Consumption of paper disc treated with methanolic extract and essential oil of *C. indicum* by *C. gestroi* in choice assay after 24, 48 and 72 hours.

Treatment		Replicate									
		1	2	3	4	5	6	7	8	9	10	Mean
MeOH	24	7.3	7.2	6.9	7.7	6.1	6.4	7.6	7	6.5	7.8	7.05
Control		7.3	7.1	7	6.8	6.9	7.2	6.7	6.4	6.9	6.5	6.88
MeOH	48	12.3	12.2	11.9	12.7	11.1	11.4	12.6	11.2	12.5	11.8	11.97
Control		11.3	11.1	12.7	11.8	12.9	11.2	11.7	12.4	11.9	12.5	11.95
MeOH	72	14.3	15.2	14.9	16.7	15.1	16.4	15.6	15.2	16.5	14.8	15.47
Control		14.3	16.2	15.7	16.8	16.9	17.2	16.7	15.4	14.9	16.5	16.06
E. Oil	24	3	3.3	3.9	3.7	3.2	3	3.4	3.6	3	3.1	3.28
Control		7.2	6.8	7.5	6.7	7.3	6.9	7	7.5	7.1	7.4	7.14
E. Oil	48	3.6	3.8	4.2	4.5	5	4.4	3.7	4.6	3.8	4.1	4.17
Control		12	13	11.8	12.6	11.2	12.6	12.1	11.5	12.2	12.1	12.11
E. Oil	72	5.1	6.2	6.9	5.5	5.9	6.7	7	6.1	5.4	7.1	6.19
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79

Anova: Two-Factor With Replication

SUMMARY	Treated	Control	Total
Meoh			
Count	10	10	20
Sum	70.5	68.8	139.3
Average	7.05	6.88	6.965
Variance	0.336111	0.084	0.206605
E. Oil			
Count	10	10	20
Sum	33.2	71.4	104.6
Average	3.32	7.14	5.23
Variance	0.104	0.082667	3.928526
Total			
Count	20	20	
Sum	103.7	140.2	
Average	5.185	7.01	
Variance	3.869763	0.096737	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	30.10225	1	30.10225	198.44	3.22E-16	4.113165
Columns	33.30625	1	33.30625	219.5614	6.77E-17	4.113165
Interaction	39.80025	1	39.80025	262.3712	4.12E-18	4.113165
Within	5.461	36	0.151694			
Total	108.6698	39				

Anova: Two-Factor With Replication

SUMMARY	24 hours	48 hours	72 hours	Total
A. galanga				
Count	10	10	10	30
Sum	32.5	51	81	164.5
Average	3.25	5.1	8.1	5.483333
Variance	0.047222	0.055556	0.42	4.293851
C. indicum				
Count	10	10	10	30
Sum	33.2	41.7	61.9	136.8
Average	3.32	4.17	6.19	4.56
Variance	0.104	0.206778	0.514333	1.754897
Total				
Count	20	20	20	
Sum	65.7	92.7	142.9	
Average	3.285	4.635	7.145	
Variance	0.072921	0.351868	1.402605	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	12.78817	1	12.78817	56.92532	5.37E-10	4.019541
Columns	153.4813	2	76.74067	341.6038	2.24E-31	3.168246
Interaction	9.801333	2	4.900667	21.81485	1.14E-07	3.168246
Within	12.131	54	0.224648			
Total	188.2018	59				

Table 3: Consumption of paper disc treated with different concentration of *A. galanga* essential oil by *C. gestroi* in choice assay after 24, 48 and 72 hours.

		Replicate										
Treatment		1	2	3	4	5	6	7	8	9	10	Mean
500ppm	24	5.3	5.9	6.1	5.5	5	6.3	5.4	5.7	6	5.8	5.7
Control		7.5	6.9	7.2	6.4	7.1	7	7.3	6.8	7.2	6.5	6.99
500ppm	48	6.1	6.6	7.1	7.4	6.3	7.3	7.5	6.8	6.3	6.9	6.83
Control		12.1	11.5	12.4	12.6	12	11.8	11.2	12.6	13	12.8	12.20
500ppm	72	10.1	10.4	10.7	10.9	11.1	11.3	10.8	11.4	10.3	11.5	10.85
Control		16.7	15.9	16.1	15.4	14.5	14.9	16	15.7	16.5	16.8	15.85
1000ppm	24	4.2	4	4.6	5.1	4.9	5	4.8	4	4.4	4.7	4.57
Control		7.5	6.9	7.2	6.4	7.1	7	7.3	6.8	7.2	6.5	6.99
1000ppm	48	7.5	7.9	8.2	8.5	8.8	7.7	8.9	8.1	7.8	7.6	8.10
Control		12.1	11.5	12.4	12.6	12	11.8	11.2	12.6	13	12.8	12.20
1000ppm	72	13.2	12.1	12.7	13.5	12.4	13.4	12.6	13.3	12.6	12.9	12.92
Control		16.7	15.9	16.1	15.4	14.5	14.9	16	15.7	16.5	16.8	15.85
2000ppm	24	3.2	3	3.5	3.6	3.1	3.3	3	3.2	3.6	3.5	3.3
Control		7.5	6.9	7.2	6.4	7.1	7	7.3	6.8	7.2	6.5	6.99
2000ppm	48	5.3	5.1	4.8	5	4.7	5	5.1	5.2	5.4	5.3	5.09
Control		12.1	11.5	12.4	12.6	12	11.8	11.2	12.6	13	12.8	12.20
2000ppm	72	8.5	7.4	7.9	8.7	8.1	9.1	7.1	8	7.5	9.1	8.14
Control		16.7	15.9	16.1	15.4	14.5	14.9	16	15.7	16.5	16.8	15.85
5000ppm	24	3.5	3.6	3.2	3	3.3	3.1	3.2	3	3.5	3.1	3.25
Control		7.5	6.9	7.2	6.4	7.1	7	7.3	6.8	7.2	6.5	6.99
5000ppm	48	4.7	5.4	5.1	5.2	5	5.4	5.3	5	4.8	4.9	5.08
Control		12.1	11.5	12.4	12.6	12	11.8	11.2	12.6	13	12.8	12.20
5000ppm	72	9.1	7.1	7.5	8	8.5	8.7	7.9	8.1	8.7	8.5	8.21
Control		16.7	15.9	16.1	15.4	14.5	14.9	16	15.7	16.5	16.8	15.85

Anova: Two-Factor With Replication

SUMMARY	24 hours	48 hours	72 hours	Total
500ppm				
Count	10	10	10	30
Sum	57	68.3	108.5	233.8
Average	5.7	6.83	10.85	7.793333
Variance	0.16	0.246778	0.231667	5.250989
1000ppm				
Count	10	10	10	30
Sum	45.7	81	128.7	255.4
Average	4.57	8.1	12.87	8.513333
Variance	0.162333	0.244444	0.217889	12.15982
2000ppm				
Count	10	10	10	30
Sum	33	50.9	81.4	165.3
Average	3.3	5.09	8.14	5.51
Variance	0.055556	0.049889	0.489333	4.314724
5000ppm				
Count	10	10	10	30
Sum	32.5	50.8	82.1	165.4
Average	3.25	5.08	8.21	5.513333
Variance	0.047222	0.059556	0.369889	4.486713
Total				
Count	40	40	40	
Sum	168.2	251	400.7	
Average	4.205	6.275	10.0175	
Variance	1.149205	1.797821	4.307635	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	217.1283	3	72.37608	372.025	9.23E-57	2.688691
Columns	694.3515	2	347.1758	1784.541	1.85E-83	3.080387
Interaction	44.7925	6	7.465417	38.37347	1.22E-24	2.183657
Within	21.011	108	0.194546			
Total	977.2833	119				

Table 4: Consumption of paper disc treated with different concentration of *C. indicum* essential oil by *C. gestroi* in choice assay after 24, 48 and 72 hours.

		Replicate										
Treatment		1	2	3	4	5	6	7	8	9	10	Mean
500ppm	24	5.5	6.1	5.2	5.3	6.3	5.9	5.4	6.1	5.3	6.3	5.74
Control		7.2	6.8	7.5	6.7	7.3	6.9	7.0	7.5	7.1	7.4	7.14
500ppm	48	6.7	6.8	7.2	6.5	7.5	6.9	7.3	7.4	6.8	6.2	6.93
Control		12.0	13.0	11.8	12.6	11.2	12.6	12.1	11.5	12.2	12.1	12.11
500ppm	72	8.2	8.6	9.1	8.4	9.0	8.4	7.9	9.2	8.5	8.7	8.6
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79
1000ppm	24	4.0	4.2	5.0	4.6	4.7	4.9	5.0	4.8	4.0	4.4	4.56
Control		7.2	6.8	7.5	6.7	7.3	6.9	7.0	7.5	7.1	7.4	7.14
1000ppm	48	6.4	5.2	5.5	6.0	5.4	5.3	5.9	6.3	6.1	5.3	5.74
Control		12.0	13.0	11.8	12.6	11.2	12.6	12.1	11.5	12.2	12.1	12.11
1000ppm	72	7.2	7.6	7.0	8.1	8.0	6.9	7.1	7.4	7.3	8.0	7.46
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79
2000ppm	24	2.7	1.8	3.1	2.4	2.6	1.9	2.1	2.5	2.0	2.8	2.39
Control		7.2	6.8	7.5	6.7	7.3	6.9	7.0	7.5	7.1	7.4	7.14
2000ppm	48	4.3	3.8	4.1	4.5	3.6	5.0	4.1	4.5	3.6	4.2	4.17
Control		12.0	13.0	11.8	12.6	11.2	12.6	12.1	11.5	12.2	12.1	12.11
2000ppm	72	6.1	6.4	6.2	6.7	5.5	7.1	6.7	7.0	5.9	6.2	6.38
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79
5000ppm	24	2	2.5	2	2.1	2.7	3.1	2.8	2.6	2.4	1.8	2.4
Control		7.2	6.8	7.5	6.7	7.3	6.9	7	7.5	7.1	7.4	7.14
5000ppm	48	4.4	5	3.7	4.6	3.8	4.1	3.6	3.8	4.5	4.3	4.18
Control		12	13	11.8	12.6	11.2	12.6	12.1	11.5	12.2	12.1	12.11
5000ppm	72	7.1	5.9	5.5	5.1	6.2	6.9	6.7	5.4	6.1	6.4	6.13
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79

Anova: Two-Factor With Replication

SUMMARY	24 hours	48 hours	72 hours	Total
500ppm				
Count	10	10	10	30
Sum	57.4	69.3	86	212.7
Average	5.74	6.93	8.6	7.09
Variance	0.196	0.173444	0.168889	1.590586
1000ppm				
Count	10	10	10	30
Sum	45.6	57.4	74.6	177.6
Average	4.56	5.74	7.46	5.92
Variance	0.151556	0.202667	0.196	1.637517
2000ppm				
Count	10	10	10	30
Sum	23.9	41.7	63.8	129.4
Average	2.39	4.17	6.38	4.313333
Variance	0.183222	0.191222	0.250667	2.949471
5000ppm				
Count	10	10	10	30
Sum	24	41.8	61.3	127.1
Average	2.4	4.18	6.13	4.236667
Variance	0.173333	0.208444	0.442333	2.656195
Total				
Count	40	40	40	
Sum	150.9	210.2	285.7	
Average	3.7725	5.255	7.1425	
Variance	2.287173	1.556897	1.226609	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	169.8087	3	56.60289	267.6494	7.71E-50	2.688691
Columns	228.2315	2	114.1158	539.6016	6.03E-57	3.080387
Interaction	5.107833	6	0.851306	4.025438	0.001118	2.183657
Within	22.84	108	0.211481			
Total	425.988	119				

Table 5: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. gestroi* in choice assay after 24, 48 and 72 hours.

		Replicate										
Treatment		1	2	3	4	5	6	7	8	9	10	Mean
100ppm	24	5.1	4.8	5.3	5	4.9	5.5	5.3	4.9	5	4.7	5.05
Control		5.3	4.9	5.1	4.8	4.6	4.7	5.1	4.9	5.2	5.2	4.98
100ppm	48	10.3	9.7	10.6	10.1	9.9	10.2	10.5	9.8	10.1	9.4	10.06
Control		10.6	9.9	5.2	9.5	9.1	9.2	10.1	9.7	10.5	10.3	9.41
100ppm	72	12.3	11.5	12.9	12.1	11.8	12.3	12.8	11.7	12.1	11.1	12.06
Control		16.9	15.8	16.3	15.3	14.7	14.8	16.2	15.6	16.7	16.5	15.88
200ppm	24	2.6	2.2	2.1	2.5	2.6	2.7	2.2	2.4	3.3	2.7	2.53
Control		4.6	4.3	4.4	4.5	5.2	4.9	5.4	5.1	5.3	5	4.87
200ppm	48	5.2	4.5	4.3	4.9	5.1	5.3	4.4	4.8	2.3	5.5	4.63
Control		9.8	9.3	9.4	9.5	10.3	9.8	10.8	10.2	10.5	9.8	9.94
200ppm	72	8.8	7.7	7.4	8.4	8.7	9	7.5	8.2	7.9	9.2	8.28
Control		15.7	13.9	14.1	15.4	16.5	15.7	17.2	16.3	16.8	15.7	15.73
500ppm	24	2.2	1.8	1.6	1.9	2	2.3	1.7	1.6	1.8	2.1	1.9
Control		4.9	4.6	4.7	4.8	5.2	5	5.1	5.2	4.8	4.5	4.88
500ppm	48	4.3	3.6	3.3	3.8	4.1	4.5	3.4	3.3	3.7	4.2	3.82
Control		10	9.5	9.7	9.8	10.5	9.9	10.3	10.5	9.7	8.9	9.88
500ppm	72	7.5	6.4	5.9	6.7	7.1	7.8	6.1	6	6.5	7.3	6.73
Control		15.7	14.9	15.1	15.4	16.5	15.9	16.4	16.7	15.5	14.8	15.69
1000ppm	24	2	1.9	1.7	2.1	1.8	2.2	1.6	2.1	2.3	2.2	1.99
Control		5.1	4.8	4.9	5.2	4.6	4.9	5	4.6	4.7	4.6	4.84
1000ppm	48	4.1	3.9	3.2	2.9	3.7	4.5	3.3	4.3	3.8	4.3	3.80
Control		10.3	9.7	9.9	10.5	9.3	9.8	10.1	9.1	9.5	9.3	9.75
1000ppm	72	7.1	6.8	5.8	7	6.5	7.7	5.9	7.4	6.7	7.5	6.84
Control		16.4	15.5	15.8	16.7	14.9	15.7	16.1	14.7	15.2	14.9	15.59

Anova: Two-Factor With Replication

SUMMARY	24 hours	48 hours	72 hours	Total
100ppm				
Count	10	10	10	30
Sum	50.5	100.6	120.6	271.7
Average	5.05	10.06	12.06	9.056667
Variance	0.062778	0.136	0.311556	9.151506
200ppm				
Count	10	10	10	30
Sum	25.3	46.3	82.8	154.4
Average	2.53	4.63	8.28	5.146667
Variance	0.120111	0.829	0.410667	6.260506
500ppm				
Count	10	10	10	30
Sum	19	38.2	67.3	124.5
Average	1.9	3.82	6.73	4.15
Variance	0.06	0.188444	0.442333	4.292931
1000ppm				
Count	10	10	10	30
Sum	19.9	38	68.4	126.3
Average	1.99	3.8	6.84	4.21
Variance	0.054333	0.28	0.409333	4.373345
Total				
Count	40	40	40	
Sum	114.7	223.1	339.1	
Average	2.8675	5.5775	8.4775	
Variance	1.756609	7.315122	5.134609	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	485.4596	3	161.8199	587.6247	1.06E-66	2.688691
Columns	629.6827	2	314.8413	1143.299	2.12E-73	3.080387
Interaction	38.84667	6	6.474444	23.51098	1.29E-17	2.183657
Within	29.741	108	0.27538			
Total	1183.73	119				

Table 6: Consumption of paper disc treated with synthetic compound of farnesene by *C. gestroi* in choice assay after 24, 48 and 72 hours.

		Replicate										
Treatment		1	2	3	4	5	6	7	8	9	10	Mean
100ppm	24	4.7	5.1	4.8	4.5	4.7	5.5	4.9	5.1	5.2	5.3	4.98
Control		5.1	5.2	4.9	5.2	5.3	4.9	5.1	5.4	4.7	5.1	5.09
100ppm	48	9.6	9.8	9.3	9.5	9.3	10.5	9.9	10.1	10.3	10.5	9.88
Control		10.3	10.4	9.9	10.5	10.6	9.8	10.1	10.7	9.5	10.3	10.21
100ppm	72	14.2	15.6	14.1	14.4	14	16.4	14.8	15.2	15.5	15.7	14.99
Control		15.4	15.5	14.8	15.7	15.9	14.7	15.1	16.1	14.2	15.4	15.28
200ppm	24	4.9	5.1	4.8	4.7	4.9	5.1	5	5.2	5.4	4.6	4.97
Control		5.5	5.2	5.3	4.9	5.4	5.2	5	5.6	5.1	5.6	5.28
200ppm	48	9.8	10.2	9.7	9.5	9.8	10.3	9.9	10.5	10.7	10.1	10.05
Control		10.9	10.3	10.5	9.8	10.5	10.7	10.1	11.1	10.2	10.8	10.49
200ppm	72	14.7	15.3	14.5	14.3	14.7	15.4	14.9	15.7	15.9	14.9	15.03
Control		16.4	15.5	15.8	14.7	15.9	15.7	15.1	16.7	15.2	15.8	15.68
500ppm	24	2.1	1.8	2.2	2.3	1.8	1.7	1.9	5.9	2	2.4	2.41
Control		5.1	4.8	5.6	5.2	5	4.9	5.5	5.2	5.4	5.3	5.2
500ppm	48	4.1	3.6	4.6	4.5	4.1	3.4	3.8	4	4.7	4.1	4.09
Control		10.3	9.7	11.2	10.5	9.9	11.1	10.7	10.8	10.4	10.6	10.52
500ppm	72	6.1	5.4	6.7	6.9	6.2	5.1	5.7	5.9	7.1	6.2	6.13
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79
1000ppm	24	2.1	2	2.3	2.2	2.4	1.8	2.5	2.1	2.6	1.9	2.19
Control		5.1	4.8	5.6	5.2	5	4.9	5.4	5.2	5.7	5.3	5.22
1000ppm	48	3.9	4.1	4.7	4.5	4.7	3.7	4.1	4.3	4.9	3.9	4.28
Control		10.3	9.7	11.2	10.5	9.9	11.2	10.7	10.9	10.6	10.1	10.51
1000ppm	72	5.9	6.2	7	6.7	7.1	5.5	6.1	6.4	6.2	5.8	6.29
Control		15.4	14.5	16.8	15.7	14.9	16.7	16.1	15.7	16.2	15.9	15.79

Anova: Two-Factor With Replication

SUMMARY	24 hours	48 hours	72 hours	Total
100ppm				
Count	10	10	10	30
Sum	49.8	98.8	149.9	298.5
Average	4.98	9.88	14.99	9.95
Variance	0.097333	0.210667	0.661	17.57914
200ppm				
Count	10	10	10	30
Sum	49.7	100.5	150.3	300.5
Average	4.97	10.05	15.03	10.01667
Variance	0.057889	0.142778	0.275667	17.5973
500ppm				
Count	10	10	10	30
Sum	21.1	40.9	61.3	123.3
Average	2.11	4.09	6.13	4.11
Variance	0.129889	0.178778	0.411222	3.009897
1000ppm				
Count	10	10	10	30
Sum	21.9	42.8	62.9	127.6
Average	2.19	4.28	6.29	4.253333
Variance	0.067667	0.164	0.267667	3.053609
Total				
Count	40	40	40	
Sum	142.5	283	424.4	
Average	3.5625	7.075	10.61	
Variance	2.128558	8.735256	20.23272	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	1010.155	3	336.7183	1516.433	4.39E-88	2.688691
Columns	993.3485	2	496.6743	2236.805	1.29E-88	3.080387
Interaction	178.6288	6	29.77147	134.0778	1.08E-47	2.183657
Within	23.981	108	0.222046			
Total	2206.113	119				

Table 7: Consumption of wood treated with synthetic compound of 1,8-cineol by *C. gestroi* in choice assay after 14 days.

	Consumption of wood (g)					
Fractions	1	2	3	4	5	Mean
100ppm	39	35	30	42	37	36.60
200ppm	25	22	24	27	31	25.80
500ppm	20	17	19	13	15	16.80
1000ppm	3	5	4	7	6	5.00
Control	43	40	38	46	44	42.20

Table 8: Consumption of wood treated with synthetic compound of *farnesene* by *C. gestroi* in choice assay after 14 days.

	Consumption of paper disc (g)					
Fractions	1	2	3	4	5	Mean
100ppm	41	38	44	46	40	41.80
200ppm	32	35	33	39	37	35.20
500ppm	28	22	25	21	23	23.80
1000ppm	12	16	14	19	17	15.60
Control	37	42	39	45	43	41.20

Anova: Two-Factor With Replication

SUMMARY	1,8-cineol	farnesene	Total
100ppm			
Count	5	5	10
Sum	183	209	392
Average	36.6	41.8	39.2
Variance	20.3	10.2	21.06667
100ppm			
Count	5	5	10
Sum	129	176	305
Average	25.8	35.2	30.5
Variance	11.7	8.2	33.38889
200ppm			
Count	5	5	10
Sum	84	119	203
Average	16.8	23.8	20.3
Variance	8.2	7.7	20.67778
200ppm			
Count	5	5	10
Sum	24	78	102
Average	4.8	15.6	10.2
Variance	3.7	7.3	37.28889
Control			
Count	5	5	10
Sum	211	206	417
Average	42.2	41.2	41.7
Variance	10.2	10.2	9.344444
Total			
Count	25	25	
Sum	631	788	
Average	25.24	31.52	
Variance	197.7733	116.8433	

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Sample	6947.88	4	1736.97	177.7861	6.7E-25	2.605975
Columns	492.98	1	492.98	50.45855	1.35E-08	4.084746
Interaction	212.12	4	53.03	5.42784	0.001377	2.605975
Within	390.8	40	9.77			
Total	8043.78	49				