

## Appendix 2:

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

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

### T-test summary

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Crude <i>A. galanga</i>	7.3100	10	0.42019					
				0.14000	0.48580	0.911	9	0.386
Control	7.1700	10	0.27508					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 2: Consumption of paper disc treated with methanolic extract of *A. galanga* by *C. gestroi* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary of crude methanolic extract of *A. galanga* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Crude <i>A. galanga</i>	12.4100	10	0.68872					
				0.20000	0.64807	0.976	9	0.355
Control	12.2100	10	0.61183					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 3: Consumption of paper disc treated with methanolic extract of *A. galanga* by *C. gestroi* in choice assay after 72 hours.

Treatment	Replicate										
	1	2	3	4	5	6	7	8	9	10	Mean
Crude	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

T-test summary of crude methanolic extract of *A. galanga* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Crude <i>A. galanga</i>	15.4100	10	0.88625					
				-0.3600	1.47663	-0.771	9	0.460
Control	15.7700	10	0.99113					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 4: Consumption of paper disc treated with methanolic extract of *A. galanga* by *C. curvignathus* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	6.7	7.3	6.9	7.3	7.6	6.9	7.3	6.7	7.6	7.3	7.31
Control	7.5	7.1	6.9	7.6	7.4	7.1	6.9	7.5	7.4	7.6	7.30

Table 5: Consumption of paper disc treated with methanolic extract of *A. galanga* by *C. curvignathus* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	11.7	13.3	12.9	11.3	12.6	12.9	13.3	11.7	11.3	12.6	12.36
Control	11.5	13.1	12.6	11.6	12.4	12.6	13.1	12.4	11.6	11.5	12.24

Table 6: Consumption of paper disc treated with methanolic extract of *A. galanga* by *C. curvignathus* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	16.7	14.3	14.9	16.3	15.6	14.3	16.7	14.9	15.6	16.3	15.56
Control	14.5	17.1	14.9	15.6	16.4	17.1	14.5	15.6	14.9	16.4	15.70

Table 7: Consumption of paper disc treated with methanolic extract of *A. galanga* by *M. carbonarius* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	7.4	7.5	6.7	7.3	6.8	7.5	7.4	6.7	7.3	6.8	7.31
Control	6.9	7.2	7.5	7.1	6.9	7.5	7.2	6.9	7.1	6.9	7.12

Table 8: Consumption of paper disc treated with methanolic extract of *A. galanga* by *M. carbonarius* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	13.4	12.5	11.7	13.3	12.9	12.5	13.4	11.7	13.3	12.9	12.76
Control	11.9	12.2	11.5	13.1	12.6	11.5	12.2	11.9	13.1	12.6	12.27

Table 9: Consumption of paper disc treated with methanolic extract of *A. galanga* by *M. carbonarius* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	16.7	14.3	14.8	16.3	15.6	14.3	16.7	14.8	16.3	15.6	15.54
Control	14.5	17.1	14.9	15.6	16.4	14.9	17.1	14.5	15.6	16.4	15.70

Table 10: Consumption of paper disc treated with essential oil of *A. galanga* by *C. gestroi* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	6.9900	10	0.34785					
				3.74000	0.40332	29.324	9	0.000
Crude <i>A. galanga</i>	3.2500	10	0.21731					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 11: Consumption of paper disc treated with essential oil of *A. galanga* by *C. gestroi* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	5	4.8	5.1	5.3	4.7	5.1	5.4	5.2	5	5.4	
Control	12.1	11.5	12.4	12.6	12	11.8	11.2	12.6	13	12.8	

T-test summary of essential oil of *A. galanga* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	12.2000	10	0.58310					
				7.10000	0.58878	38.133	9	0.000
Crude <i>A. galanga</i>	5.1000	10	0.23570					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 12: Consumption of paper disc treated with essential oil of *A. galanga* by *C. gestroi* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	7.1	7.5	8	9.1	8.5	7.9	8.1	8.7	7.4	8.7	
Control	16.7	15.9	16.1	15.4	14.5	14.9	16	15.7	16.5	16.8	

T-test summary of essential oil of *A. galanga* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	15.8500	10	0.75166					
				7.75000	1.16548	21.028	9	0.000
Crude <i>A. galanga</i>	8.1000	10	0.64807					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 13: Consumption of paper disc treated with essential oil extract of *A. galanga* by *C. curvignathus* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	3.6	3.2	3	3.3	3.1	3	3.2	3.6	3.3	3.1	3.24
ControlG2	7	7.3	6.8	7.2	6.5	6.8	7	7.3	7.2	6.5	6.96

Table 14: Consumption of paper disc treated with essential oil extract of *A. galanga* by *C. curvignathus* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	5.1	5.4	5.2	5.0	5.4	5.2	5.4	5	5.4	5.1	5.22
ControlG2	11.8	11.2	12.6	13.0	12.8	12.6	11.2	12.8	13	11.8	12.28

Table 15: Consumption of paper disc treated with essential oil extract of *A. galanga* by *C. curvignathus* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	7.9	8.1	8.7	7.4	8.7	8.1	7.9	8.7	7.4	8.7	8.16
ControlG2	14.9	16.0	15.7	16.5	16.8	16.0	14.9	15.7	16.5	16.8	15.98

Table 16: Consumption of paper disc treated with essential oil extract of *A. galanga* by *M. carbonarius* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	3.2	3.5	3.6	3.2	3	3.5	3.2	3.6	3	3.2	3.30
ControlG2	6.4	7.1	7	7.3	6.8	7	7.1	6.4	6.8	7.3	6.92

Table 17: Consumption of paper disc treated with essential oil extract of *A. galanga* by *M. carbonarius* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	5.3	4.7	5.1	5.4	5.2	4.7	5.3	5.1	5.4	5.2	5.14
ControlG2	12.6	12	11.8	11.2	12.6	11.8	12	12.6	12.6	11.2	12.04

Table 18: Consumption of paper disc treated with essential oil extract of *A. galanga* by *M. carbonarius* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	7.9	8.1	8.7	7.4	8.7	8.1	7.9	8.7	7.4	8.7	8.16
ControlG2	14.9	16.0	15.7	16.5	16.8	15.7	16.0	14.9	16.5	16.8	15.98



Table 19: Consumption of paper disc treated with different concentration of *A. galanga* essential oil by *C. gestroi* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	5.3	5.9	6.1	5.5	5	6.3	5.4	5.7	6	5.8	5.7
1000ppm	4.2	4	4.6	5.1	4.9	5	4.8	4	4.4	4.7	4.57
2000ppm	3.2	3	3.5	3.6	3.1	3.3	3	3.2	3.6	3.5	3.3
5000ppm	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

T-test summary of different concentration of *A. galanga* Essential oil with Control (500 ppm, 1000 ppm, 2000 ppm, 5000 ppm)

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	6.9900	10	0.34785					
				1.29000	0.56460	7.225	9	0.000
500 ppm	5.7000	10	0.40000					
Control	6.9900	10	0.34785					
				2.42000	0.59591	12.842	9	0.000
1000 ppm	4.5700	10	0.40291					
Control	6.9900	10	0.34785					
				3.69000	0.49092	23.769	9	0.000
2000 ppm	3.3000	10	0.23570					
Control	6.9900	10	0.34785					
				3.74000	0.28363	41.699	9	0.000
5000 ppm	3.2500	10	0.21731					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 20: Consumption of paper disc treated with different concentration of *A. galanga* essential oil by *C. gestroi* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	6.1	6.6	7.1	7.4	6.3	7.3	7.5	6.8	6.3	6.9	6.83
1000ppm	7.5	7.9	8.2	8.5	8.8	7.7	8.9	8.1	7.8	7.6	8.10
2000ppm	5.3	5.1	4.8	5	4.7	5	5.1	5.2	5.4	5.3	5.09
5000ppm	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

T-test summary of different concentration of *A. galanga* Essential oil with Control (500 ppm, 1000 ppm, 2000 ppm, 5000 ppm)

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	12.2000	10	0.58310					
				5.37000	0.85251	19.919	9	0.000
500 ppm	6.8300	10	0.49677					
Control	12.2000	10	0.58310					
				4.10000	0.89069	14.556	9	0.000
1000 ppm	8.1000	10	0.49441					
Control	12.2000	10	0.58310					
				7.11000	0.54863	40.981	9	0.000
2000 ppm	5.0900	10	0.22336					
Control	12.2000	10	0.58310					
				7.12000	0.76420	29.463	9	0.000
5000 ppm	5.0800	10	0.24404					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 21: Consumption of paper disc treated with different concentration of *A. galanga* essential oil by *C. gestroi* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	10.1	10.4	10.7	10.9	11.1	11.3	10.8	11.4	10.3	11.5	10.85
1000ppm	13.2	12.1	12.7	13.5	12.4	13.4	12.6	13.3	12.6	12.9	12.92
2000ppm	8.5	7.4	7.9	8.7	8.1	9.1	7.1	8	7.5	9.1	8.14
5000ppm	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

T-test summary of different concentration of *A. galanga* Essential oil with Control (500 ppm, 1000 ppm, 2000 ppm, 5000 ppm)

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	15.8500	10	0.75166					
				5.00000	1.04350	15.152	9	0.000
500 ppm	10.8500	10	0.48132					
Control	15.8500	10	0.75166					
				2.98000	0.91019	10.353	9	0.000
1000 ppm	12.8700	10	0.46679					
Control	15.8500	10	0.75166					
				7.71000	1.08367	22.499	9	0.000
2000 ppm	8.1400	10	0.69952					
Control	15.8500	10	0.75166					
				7.64000	0.92880	26.012	9	0.000
5000 ppm	8.2100	10	0.60818					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 22: Consumption of paper disc treated with different concentration of essential oil extract of *A. galanga* by *C. curvignathus* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	6.5	6.9	7.1	7.4	6.6	6.9	6.5	7.4	7.1	6.6	6.90
Control	7.6	7	7.3	6.5	7.2	7.3	7	7.2	6.5	7.6	7.12
1000ppm	7.3	7.5	6.8	7.2	6.7	6.8	7.5	7.2	7.3	6.7	7.10
Control	7.1	7.4	6.9	7.3	6.6	7.3	6.9	7.1	7.4	6.6	7.06
2000ppm	3.3	3	3.2	3.6	3.5	3	3.2	3.3	3.6	3.5	3.32
Control	6.9	7.4	6.7	7.1	6.4	7.1	6.7	6.9	6.4	7.4	6.90
5000ppm	3.1	3.2	3	3.5	3.1	3	3.5	3.1	3.2	3.1	3.18
Control	6.9	7.1	6.6	7.3	6.7	7.3	6.6	6.7	6.9	7.1	6.92

Table 23: Consumption of paper disc treated with different concentration of essential oil extract of *A. galanga* by *C. curvignathus* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	11.6	11	12.4	12.7	12.5	12.4	11	12.5	12.7	11.6	12.04
Control	12.0	11.4	12.3	12.5	11.9	12.3	11.4	11.9	12.5	12	12.02
1000ppm	11.8	12.3	11.3	12.2	12.4	11.3	12.3	11.8	12.2	12.4	12.00
Control	11.7	11.1	12.5	12.8	12.6	12.8	12.5	11.1	11.7	12.6	12.14
2000ppm	5	5.1	5.2	5.4	5.3	5.2	5.4	5	5.1	5.3	5.23
Control	11.9	11.3	12.7	13.1	12.9	11.3	12.7	11.9	12.9	13.1	12.38
5000ppm	5.4	5.3	5	4.8	4.9	5	4.8	4.9	5.3	5.4	5.03
Control	12	11.4	12.8	12.7	12.9	11.4	12	12.8	12.9	12.7	12.36

Table 24: Consumption of paper disc treated with different concentration of essential oil extract of *A. galanga* by *C. curvignathus* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	16.1	16.4	15.7	14.9	16.1	16.4	16.1	15.7	16.1	14.9	15.84
Control	16.6	15.8	15.9	15.3	14.4	15.8	16.6	15.9	14.4	15.3	15.60
1000ppm	16.3	14.8	16.4	16.3	15.5	14.8	16.3	16.4	15.5	16.3	15.86
Control	14.8	15.9	15.6	16.4	16.7	15.9	14.8	15.6	16.7	16.4	15.88
2000ppm	9.1	7.1	8.0	7.5	9.1	7.1	9.1	8.0	9.1	7.5	8.16
Control	15.0	16.1	15.8	16.6	16.9	16.1	15.8	15.0	16.9	16.6	15.91
5000ppm	8.7	7.9	8.1	8.7	8.5	7.9	8.7	8.1	8.7	8.5	8.38
Control	15.1	15.9	15.6	16.7	16.9	15.9	15.1	15.6	16.9	16.7	16.04

Table 25: Consumption of paper disc treated with different concentration of essential oil extract of *A. galanga* by *M. carbonarius* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	6.6	7.3	7.5	6.8	7.2	7.5	7.3	6.6	6.8	7.2	7.08
Control	7.1	7.4	6.9	7.3	6.6	7.4	7.1	6.9	6.6	7.3	7.06
1000ppm	7.1	7.4	6.6	7.3	7.5	6.6	7.4	7.1	7.5	7.3	7.18
Control	6.5	7.2	7.1	7.4	6.9	7.2	6.5	7.1	7.4	6.9	7.02
2000ppm	3.6	3.1	3.3	3	3.2	3.3	3.1	3.6	6.7	7.4	4.03
Control	6.3	7	6.9	7.4	6.7	7	6.3	6.9	6.7	7.4	6.86
5000ppm	3.0	3.3	3.1	3.2	3.0	3.3	3.0	3.1	3.2	3.0	3.12
Control	6.6	7.0	6.9	7.1	6.6	6.9	6.6	7.0	7.1	6.6	6.84

Table 26: Consumption of paper disc treated with different concentration of essential oil extract of *A. galanga* by *M. carbonarius* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	12.5	11.8	12.3	11.3	12.2	11.8	12.5	12.3	11.3	12.2	12.02
Control	11.7	11.1	12.5	12.8	12.6	12.5	11.1	11.7	12.8	12.6	12.14
1000ppm	12.4	12.7	12.5	11.8	12.3	12.5	12.7	12.4	11.8	12.3	12.34
Control	12.5	11.9	11.7	11.1	12.5	11.9	12.5	11.7	12.5	11.1	11.94
2000ppm	5	4.7	5	5.1	5.2	4.7	5	5.1	5	5.2	5.00
Control	12.7	12.3	11.9	11.3	12.7	11.9	12.3	12.7	11.3	12.7	12.18
5000ppm	5.2	5	5.4	5.3	5	5.4	5	5.2	5	5.3	5.18
Control	12.8	12.2	12	11.4	12.8	12.2	12	12.8	11.4	12.8	12.24

Table 27: Consumption of paper disc treated with different concentration of essential oil extract of *A. galanga* by *M. carbonarius* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	16.1	16.3	14.8	16.3	16.3	14.8	16.3	16.1	16.3	16.3	15.96
Control	14.8	15.9	15.6	16.4	16.7	15.9	15.6	14.8	16.4	16.7	15.88
1000ppm	15.7	14.9	16.1	16.3	14.8	14.9	15.7	16.1	16.3	14.8	15.56
Control	15.3	14.4	14.8	15.9	15.6	14.8	14.4	15.3	15.9	15.6	15.20
2000ppm	8.7	8.1	9.1	7.1	8.0	8.1	8.7	9.1	7.1	8.0	8.20
Control	15.5	14.6	15.0	16.1	15.8	15.0	14.6	15.5	15.8	16.1	15.40
5000ppm	8.0	8.5	8.7	7.9	8.1	8.5	8.0	8.7	7.9	8.1	8.24
Control	15.7	14.7	15.1	15.9	15.6	15.1	14.7	15.7	15.9	15.6	15.40

Table 28: Consumption of paper disc treated with methanolic extract of *C. indicum* by *C. gestroi* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary Crude methanolic extract of *C. indicum* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Crude <i>C. indicum</i>	7.0500	10	0.57975					
				0.17000	0.73341	0.733	9	0.482
Control	6.8800	10	0.28983					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 29: Consumption of paper disc treated with methanolic extract of *C. indicum* by *C. gestroi* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary of crude methanolic extract of *C. indicum* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Crude <i>C. indicum</i>	11.9700	10	0.58509					
				0.02000	1.05599	0.060	9	0.954
Control	11.9500	10	0.64679					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 30: Consumption of paper disc treated with methanolic extract of *C. indicum* by *C. gestroi* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary of Crude methanolic extract of *C. indicum* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Crude <i>C. indicum</i>	15.4700	10	0.80836					
				-0.5900	0.98596	-1.892	9	0.091
Control	16.0600	10	0.95359					

If  $p < 0.05$ , there is a significant difference between the two groups.



Table 31: Consumption of paper disc treated with methanolic extract of *C. indicum* by *C. curvignathus* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	6.4	7.6	7	6.5	7.8	7	7.6	6.4	6.5	7.8	7.06
Control	7.2	6.7	6.4	6.9	6.5	6.4	6.9	6.7	7.2	6.5	6.74

Table 32: Consumption of paper disc treated with methanolic extract of *C. indicum* by *C. curvignathus* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	11.4	12.6	11.2	12.5	11.8	12.6	11.4	11.2	11.8	12.5	11.90
Control	11.2	11.7	12.4	11.9	12.5	11.7	11.2	12.4	12.5	11.9	11.94

Table 33: Consumption of paper disc treated with methanolic extract of *C. indicum* by *C. curvignathus* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	16.4	15.6	15.2	16.5	14.8	15.6	16.4	16.5	15.2	14.8	15.70
Control	17.2	16.7	15.4	14.9	16.5	16.7	17.2	15.4	14.9	16.5	16.14

Table 34: Consumption of paper disc treated with methanolic extract of *C. indicum* by *M. carbonarius* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	7.7	6.1	6.4	7.6	7	6.4	6.1	7.7	7.6	7.1	6.97
Control	6.8	6.9	7.2	6.7	6.4	6.9	6.8	7.2	6.4	6.7	6.80

Table 35: Consumption of paper disc treated with methanolic extract of *C. indicum* by *M. carbonarius* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	12.7	11.1	11.4	12.6	11.2	11.1	11.4	12.7	12.6	11.2	11.80
Control	11.8	12.9	11.2	11.7	12.4	12.9	11.8	11.2	12.4	11.7	12.00

Table 36: Consumption of paper disc treated with methanolic extract of *C. indicum* by *M. carbonarius* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	16.4	15.6	15.2	16.5	14.8	15.6	16.4	15.2	14.8	16.5	15.70
Control	17.2	16.7	15.4	14.9	16.5	15.4	16.7	17.2	16.5	14.9	16.14

Table 37: Consumption of paper disc treated with essential oil of *C. indicum* by *C. gestroi* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary of essential oil of *C. indicum* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	7.1400	10	0.28752					
				-3.8200	0.39665	-30.455	9	0.000
Crude <i>C. indicum</i>	3.3200	10	0.32249					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 38: Consumption of paper disc treated with essential oil of *C. indicum* by *C. gestroi* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary of essential oil of *C. indicum* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	4.1700	10	0.45473					
				-7.9400	0.85271	-29.446	9	0.000
Crude <i>C. indicum</i>	12.1100	10	0.53635					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 39: Consumption of paper disc treated with essential oil of *C. indicum* by *C. gestroi* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Crude	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

T-test summary of essential oil of *C. indicum* with Control

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	6.1900	10	0.71717					
				-9.6000	0.78031	-38.905	9	0.000
Crude <i>C. indicum</i>	15.7900	10	0.72641					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 40: Consumption of paper disc treated with essential oil extract of *C. indicum* by *C. curvignathus* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	3	3.4	3.6	3	3.1	3	3.6	3.4	3	3.1	3.22
ControlG2	6.9	7	7.5	7.1	7.4	7.1	7.5	7	6.9	7.4	7.18

Table 41: Consumption of paper disc treated with essential oil extract of *C. indicum* by *C. curvignathus* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	4.4	3.7	4.6	3.8	4.1	3.7	4.4	4.6	4.1	3.8	4.12
ControlG2	12.6	12.1	11.5	12.2	12.1	12.1	12.6	11.5	12.1	12.2	12.10

Table 42: Consumption of paper disc treated with essential oil extract of *C. indicum* by *C. curvignathus* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	6.7	7.0	6.1	5.4	7.1	7.0	6.7	6.1	5.4	7.1	6.46
ControlG2	16.7	16.1	15.7	16.2	15.9	16.1	16.7	16.2	15.7	15.9	16.12

Table 43: Consumption of paper disc treated with essential oil extract of *C. indicum* by *M. carbonarius* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	3.7	3.2	3	3.4	3.6	3	3.2	3.7	3.4	3.6	3.38
ControlG2	6.7	7.3	6.9	7	7.5	7.3	6.7	6.9	7.5	7	7.08

Table 44: Consumption of paper disc treated with essential oil extract of *C. indicum* by *M. carbonarius* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	4.5	5	4.4	3.7	4.6	5	4.4	4.5	4.6	3.7	4.44
ControlG2	12.6	11.2	12.6	12.1	11.5	12.6	11.2	12.6	11.5	12.1	12.00

Table 45: Consumption of paper disc treated with essential oil extract of *C. indicum* by *M. carbonarius* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
Essential oil	6.7	7.0	6.1	5.4	7.1	7.0	6.7	6.1	7.1	5.4	6.46
ControlG2	16.7	16.1	15.7	16.2	15.9	15.7	16.1	16.2	15.9	16.7	16.12

Table 46: Consumption of paper disc treated with different concentration of *C. indicum* essential oil by *C. gestroi* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	5.5	6.1	5.2	5.3	6.3	5.9	5.4	6.1	5.3	6.3	5.74
1000ppm	4	4.2	5	4.6	4.7	4.9	5	4.8	4	4.4	4.56
2000ppm	2.7	1.8	3.1	2.4	2.6	1.9	2.1	2.5	2	2.8	2.39
5000ppm	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

T-test summary of different concentration of *C. indicum* Essential oil with Control (500 ppm, 1000 ppm, 2000 ppm, 5000 ppm)

Paired t-test								
	Mean	N	SD	Mean	SD	t	df	p-value
Control	7.1400	10	0.28752					
				1.40000	0.47140	9.391	9	0.000
500 ppm	5.7400	10	0.44272					
Control	7.1400	10	0.28752					
				2.58000	0.44171	18.471	9	0.000
1000 ppm	4.5600	10	0.38930					
Control	7.1400	10	0.28752					
				4.75000	0.28771	52.208	9	0.000
2000 ppm	2.3900	10	0.42804					
Control	7.1400	10	0.28752					
				4.74000	0.57388	26.119	9	0.000
5000 ppm	2.4000	10	0.41633					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 47: Consumption of paper disc treated with different concentration of *C. indicum* essential oil by *C. gestroi* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	6.7	6.8	7.2	6.5	7.5	6.9	7.3	7.4	6.8	6.2	6.93
1000ppm	6.4	5.2	5.5	6	5.4	5.3	5.9	6.3	6.1	5.3	5.74
2000ppm	4.3	3.8	4.1	4.5	3.6	5	4.1	4.5	3.6	4.2	4.17
5000ppm	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

T-test summary of different concentration of *C. indicum* Essential oil with Control (500 ppm, 1000 ppm, 2000 ppm, 5000 ppm)

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	12.1100	10	0.53635					
				5.18000	0.85479	19.163	9	0.000
500 ppm	6.9300	10	0.41647					
Control	12.1100	10	0.53635					
				6.37000	0.78464	25.672	9	0.000
1000 ppm	5.7400	10	0.45019					
Control	12.1100	10	0.53635					
				7.94000	0.60406	41.566	9	0.000
2000 ppm	4.1700	10	0.43729					
Control	12.1100	10	0.53635					
				7.93000	0.36530	68.647	9	0.000
5000 ppm	4.1800	10	0.45656					

If  $p < 0.05$ , there is a significant difference between the two groups.



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

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	8.2	8.6	9.1	8.4	9	8.4	7.9	9.2	8.5	8.7	8.6
1000ppm	7.2	7.6	7	8.1	8	6.9	7.1	7.4	7.3	8	7.46
2000ppm	6.1	6.4	6.2	6.7	5.5	7.1	6.7	7	5.9	6.2	6.38
5000ppm	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

T-test summary of different concentration of *C. indicum* Essential oil with Control (500 ppm, 1000 ppm, 2000 ppm, 5000 ppm)

	Paired t-test							
	Mean	N	SD	Mean	SD	t	df	p-value
Control	15.7900	10	0.72641					
				7.19000	0.85563	26.573	9	0.000
500 ppm	8.6000	10	0.41096					
Control	15.7900	10	0.72641					
				8.33000	1.04992	25.089	9	0.000
1000 ppm	7.4600	10	0.44272					
Control	15.7900	10	0.72641					
				9.41000	0.72488	41.051	9	0.000
2000 ppm	6.3800	10	0.50067					
Control	15.7900	10	0.72641					
				9.66000	0.95359	32.034	9	0.000
5000 ppm	6.1300	10	0.66508					

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 49: Consumption of paper disc treated with different concentration of essential oil extract of *C. indicum* by *C. curvignathus* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	6.5	7.1	7.2	6.3	7.3	6.3	7.2	7.1	6.5	7.3	6.88
Control	6.9	6.7	7.4	6.6	7.2	6.9	7.4	6.7	7.2	6.6	6.96
1000ppm	6.9	7.4	7.1	6.3	6.4	6.3	6.4	7.1	7.4	6.9	6.82
Control	6.8	7.1	7.3	7	7.2	7.3	7	6.8	7.1	7.2	7.08
2000ppm	1.9	2.1	2.5	2	2.8	2	2.5	2.8	2.1	1.9	2.26
Control	6.7	7.1	7.6	7.2	7.5	7.6	7.2	7.1	6.7	7.5	7.22
5000ppm	3.1	2.8	2.6	2.4	1.8	2.6	2.4	1.8	2.8	3.1	2.54
Control	7	7.3	7.4	7.3	7.6	7.4	7.3	7	7.3	7.6	7.32

Table 50: Consumption of paper disc treated with different concentration of essential oil extract of *C. indicum* by *C. curvignathus* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	11.7	11.8	12.2	11.5	12.5	12.2	11.8	11.5	12.5	11.7	11.94
Control	11.8	12.9	11.6	12.5	11.1	12.9	11.8	11.6	11.1	12.5	11.98
1000ppm	11.9	12.3	11.4	11.8	12.2	12.3	11.9	11.4	12.2	11.8	11.92
Control	12.4	12.2	11.3	12.1	11.9	12.2	12.4	11.3	12.1	11.9	11.98
2000ppm	5	4.1	4.5	3.6	4.2	4.1	5	4.5	4.2	3.6	4.36
Control	12.7	12.2	11.4	12.1	11.8	12.2	12.7	11.4	11.8	12.1	12.04
5000ppm	4.1	3.6	3.8	4.5	4.3	3.6	3.8	4.1	4.3	4.5	3.96
Control	12.8	12.3	11.7	12.5	12.4	11.7	12.8	12.3	12.4	12.5	12.34

Table 51: Consumption of paper disc treated with different concentration of essential oil extract of *C. indicum* by *C. curvignathus* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	16.2	15.6	16.1	15.4	16	15.6	16.2	16.1	16	15.5	15.87
Control	15.2	14.4	16.5	15.8	14.8	16.5	14.4	15.2	14.8	15.8	15.34
1000ppm	16.4	15.9	16.2	15.5	15.6	16.2	16.4	15.9	15.6	15.5	15.92
Control	16.5	16.0	15.6	16.1	15.7	15.6	16.5	16.0	15.7	16.1	15.98
2000ppm	7.1	6.7	7.0	5.9	6.2	7.0	6.7	5.9	7.1	6.2	6.58
Control	16.8	16.3	15.9	16.3	15.8	15.9	16.3	15.8	16.3	16.8	16.22
5000ppm	6.9	6.7	5.4	6.1	6.4	5.4	6.9	6.7	6.4	6.1	6.30
Control	16.9	16.2	15.8	16.0	15.8	15.8	16.2	16.9	15.8	16.0	16.14

Table 52: Consumption of paper disc treated with different concentration of essential oil extract of *C. indicum* by *M. carbonarius* in choice assay after 24 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	7.3	6.9	7.4	7.1	6.3	7.4	6.9	7.3	7.1	6.9	7.06
Control	6.8	7.1	7.3	7	7.2	7.1	6.8	7.3	7.2	7	7.08
1000ppm	7.2	6.3	7.3	6.9	7.4	7.3	6.3	7.2	7.4	6.9	7.02
Control	6.6	7.2	6.8	7.1	7.3	7.2	6.6	6.8	7.3	7.1	7.00
2000ppm	2.4	2.6	1.9	2.1	2.5	2.6	2.4	1.9	2.5	2.1	2.30
Control	6.8	7.4	6.7	7.1	7.6	6.7	7.4	6.8	7.6	7.1	7.12
5000ppm	2.1	2.7	3.1	2.8	2.6	3.1	2.7	2.1	2.8	2.6	2.66
Control	6.9	7.5	7	7.3	7.4	7.5	6.9	7	7.3	7.4	7.22

Table 53: Consumption of paper disc treated with different concentration of essential oil extract of *C. indicum* by *M. carbonarius* in choice assay after 48 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	12.5	11.9	12.3	11.4	11.8	12.3	11.9	12.5	11.4	11.8	11.98
Control	12.4	12.2	11.3	12.1	11.9	12.2	12.4	11.3	12.1	11.9	11.98
1000ppm	12.2	11.5	12.5	11.9	12.3	11.5	12.2	12.5	11.9	12.3	12.08
Control	12.5	11.1	12.4	12.2	11.3	12.4	11.1	12.5	11.3	12.2	11.90
2000ppm	4.5	3.6	5	4.1	4.5	3.6	4.5	5	4.1	4.5	4.34
Control	12.7	11.3	12.7	12.2	11.4	12.2	12.7	11.4	11.3	12.7	12.06
5000ppm	4.6	3.8	4.1	3.6	3.8	3.8	4.6	4.1	3.8	3.6	3.98
Control	12.9	11.5	12.8	12.3	11.7	12.3	11.7	12.8	11.5	12.9	12.24

Table 54: Consumption of paper disc treated with different concentration of essential oil extract of *C. indicum* by *M. carbonarius* in choice assay after 72 hours.

Treatment	Replicate										Mean
	1	2	3	4	5	6	7	8	9	10	
500ppm	16.0	16.4	15.9	16.2	15.5	16.4	15.9	16.0	15.5	16.2	16.00
Control	16.5	16.0	15.6	16.1	15.7	15.6	16.0	16.1	16.5	15.7	15.98
1000ppm	16.1	15.4	16	16.4	15.9	16	15.4	16.1	16.4	15.9	15.96
Control	15.8	14.8	16.5	16.0	15.6	14.8	16.5	16.0	15.6	15.8	15.74
2000ppm	7.1	6.7	7.0	5.9	6.2	6.7	7.0	5.9	6.2	7.1	6.58
Control	16.8	16.3	15.9	16.3	15.8	16.3	15.9	16.3	15.8	16.8	16.22
5000ppm	6.9	6.7	5.4	6.1	6.4	6.7	6.9	5.4	6.1	6.4	6.30
Control	16.9	16.2	15.8	16.0	15.8	15.8	16.2	16.9	15.8	16.0	16.14

Table 55: Consumption of paper disc treated with fractions from *A. galanga* by *C. gestroi* in choice assay after 24 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	7.9	7.4	7	7.1	7.7	6.4	7.5	6.8	7.5	7.3	7.26
Control	7.5	6.6	7.3	6.7	7.5	7.3	7.4	6.7	7.9	7.2	7.21
Fraction 2	7.4	7	7.2	7.5	6.4	6.2	7.9	6.8	6.8	7.6	7.08
Control	7.5	6.8	7.2	6.5	7.1	6.9	6.9	6.1	7.1	6.2	6.83
Fraction 3	8	7.1	7	7.1	7.6	6.3	7.6	6.7	7.6	7.2	7.22
Control	7.4	7.1	7.2	6.6	7.6	7.2	7.5	6.6	7.8	7.1	7.21
Fraction 4	3.6	3.4	3.3	2.8	3.4	2.9	3.3	3.1	3.3	2.9	3.20
Control	7.7	6.8	7.4	6.3	7.3	6.9	7.5	6.6	7.4	6.4	7.03
Fraction 5	7.7	6.9	7.3	7.4	6.5	6.8	7.8	6.7	6.9	7.5	7.15
Control	7	6.7	7.3	6.4	7.2	6.8	7.1	6.2	7.2	6.7	6.86
Fraction 6	8.2	7.1	7	7.3	7.7	6.5	7.5	6.7	7.5	7.2	7.27
Control	7.7	6.6	7.4	6.7	7.6	7.3	7.5	6.7	7.8	7.2	7.25
Fraction 7	7.7	7	7.3	7.5	6.5	6.2	7.8	6.9	6.6	7.6	7.11
Control	7.5	6.7	7.2	6.4	7.1	6.8	6.9	6	7.1	6.7	6.84
Fraction 8	7.9	7.2	7	7.1	7.6	6.4	7.4	6.6	7.4	7.3	7.19
Control	7.6	6.9	7.3	6.8	7.5	7.4	7.7	6.8	7.8	7.3	7.31

Paired t-test						
	Mean	N	SD	t	df	p-value
Fraction 1	7.26	10	0.422374	0.3301	9	0.7489
Control	7.21	10	0.420185			
Fraction 2	7.08	10	0.51342	1.0665	9	0.314
Control	6.83	10	0.444847			
Fraction 3	7.22	10	0.472864	0.0767	9	0.9405
Control	7.21	10	0.392853			
Fraction 4	3.20	10	0.248998	-38.2787	9	0.00
Control	7.03	10	0.494526			
Fraction 5	7.15	10	0.424853	1.6904	9	0.1252
Control	6.86	10	0.365756			
Fraction 6	7.27	10	0.467012	0.1432	9	0.8893
Control	7.25	10	0.440328			
Fraction 7	7.11	10	0.526213	1.2774	9	0.2334
Control	6.84	10	0.427395			
Fraction 8	7.19	10	0.422966	-0.9246	9	0.3793
Control	7.31	10	0.366515			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 56: Consumption of paper disc treated with fractions from *A. galanga* by *C. curvignathus* in choice assay after 24 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	6.4	7.5	6.8	7.5	7.3	6.8	6.4	7.5	7.3	7.5	7.10
Control	7.3	7.4	6.7	7.9	7.2	6.7	7.4	7.3	7.2	7.9	7.30
Fraction 2	6.2	7.9	6.8	6.8	7.6	6.8	7.9	6.2	7.6	6.8	7.06
Control	6.9	6.9	6.1	7.1	6.2	6.1	6.9	7.1	6.9	6.2	6.64
Fraction 3	6.3	7.6	6.7	7.6	7.2	6.7	7.6	6.3	7.2	7.6	7.08
Control	7.2	7.5	6.6	7.8	7.1	7.5	7.2	6.6	7.8	7.1	7.24
Fraction 4	2.9	3.3	3.1	3.3	2.9	3.3	3.1	2.9	3.3	2.9	3.10
Control	6.9	7.5	6.6	7.4	6.4	6.6	7.5	6.9	6.4	7.4	6.96
Fraction 5	6.7	7.8	6.7	6.9	7.5	6.7	6.9	7.8	6.7	7.5	7.12
Control	6.8	7.1	6.2	7.2	6.7	6.2	6.8	7.1	6.7	7.2	6.80
Fraction 6	6.5	7.4	6.5	7.5	7.1	7.4	6.5	7.5	6.5	7.1	7.00
Control	7.3	7.5	6.7	7.8	7.2	6.7	7.5	7.3	7.2	7.8	7.25
Fraction 7	6.2	7.8	6.9	6.6	7.6	7.8	6.2	6.6	6.9	7.6	7.01
Control	6.8	6.9	6	7.1	6.7	6.9	6.8	7.1	6	6.7	6.70
Fraction 8	6.4	7.4	6.6	7.4	7.1	6.6	7.4	6.4	7.1	7.4	6.98
Control	7.4	7.7	6.8	7.8	7.3	6.8	7.4	7.7	7.3	7.8	7.40

Table 57: Consumption of paper disc treated with fractions from *A. galanga* by *M. carbonarius* in choice assay after 24 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	7.9	7.4	7.0	7.1	7.7	7.4	7.9	7.0	7.7	7.1	7.42
Control	7.5	6.6	7.3	6.7	7.5	7.3	6.6	7.5	6.7	7.5	7.12
Fraction 2	7.4	7.0	6.9	7.5	6.4	6.9	7.4	7.0	6.4	7.5	7.04
Control	7.5	6.8	7.2	6.5	7.1	6.8	7.2	7.5	7.1	6.5	6.98
Fraction 3	8.0	6.9	7.0	7.1	7.3	6.9	8.0	7.0	7.3	7.1	7.26
Control	7.4	7.1	7.2	6.6	7.6	7.2	7.4	7.1	7.6	6.6	7.18
Fraction 4	3.6	3.4	3.3	2.8	3.4	3.3	3.6	3.4	3.4	2.8	3.34
Control	7.7	6.8	7.4	6.3	7.3	7.4	7.7	7.3	6.8	6.3	7.23
Fraction 5	7.7	6.9	7.0	7.4	6.5	7.0	6.9	7.7	6.5	7.4	7.10
Control	7.0	6.7	7.3	6.4	7.2	7.3	7.0	6.7	7.2	6.4	6.92
Fraction 6	8.2	7.1	7.0	7.3	7.7	7.0	8.2	7.1	7.7	7.3	7.46
Control	7.7	6.6	7.4	6.7	7.6	6.6	7.7	7.4	7.6	6.7	7.20
Fraction 7	7.7	7.0	7.3	7.5	6.5	7.3	7.7	7.0	6.5	7.5	7.20
Control	7.5	6.7	7.2	6.4	7.1	7.2	7.5	6.7	7.1	6.4	6.98
Fraction 8	7.9	7.2	7.0	7.1	7.6	7.0	7.9	7.2	7.6	7.1	7.36
Control	7.6	6.9	7.3	6.8	7.5	6.9	7.6	7.5	7.3	6.8	7.22

Table 58: Consumption of paper disc treated with fractions from *A. galanga* by *C. gestroi* in choice assay after 48 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	12.3	12.2	12	13.1	12.2	11.9	13.5	12.6	11.5	12.4	12.37
Control	11.6	12.6	13	11.6	12.5	11.3	13.4	12.4	11.9	12.2	12.25
Fraction 2	12.5	12	12.2	12.5	11.4	11.7	12.9	11	12.8	11.6	12.06
Control	11.5	10.8	12.9	11.5	13.1	11	11.9	12.1	12.1	12.2	11.91
Fraction 3	12.4	12.1	12.2	13	12.8	11.3	13.6	12.5	11.6	12.2	12.37
Control	11.7	12.5	13.1	11.6	12.6	11.2	13.5	12.3	12	12.2	12.27
Fraction 4	4.8	5.2	5.2	5	5.1	5.2	5.4	4.8	4.9	4.7	5.03
Control	12.3	11.4	12.6	12.5	12.2	11.7	11.4	12.5	13.2	12.7	12.25
Fraction 5	12.4	12.2	12	13.1	12.9	11.4	13.7	12.6	11.7	12.3	12.43
Control	11.6	12.4	12.1	11.5	12.5	11.1	13.5	12.2	11.9	12	12.08
Fraction 6	12.5	11.8	12.1	12.3	11.3	11	12.8	10.8	12.3	12.2	11.91
Control	11.7	10.9	13.1	12	13.3	11	12.1	12.2	12.3	12.6	12.12
Fraction 7	12.5	12.3	12.2	13.2	12.1	11.9	13.7	12.7	11.7	12.4	12.47
Control	11.5	12.4	12.9	11.5	12.4	11.1	13.3	12.2	11.8	12	12.11
Fraction 8	12.4	12.1	12	12.4	11.2	11.1	12.7	10.9	12.6	12.1	11.95
Control	11.6	11	13	11.7	13.2	11.3	12	12.3	12.2	12.4	12.07

Paired t-test						
	Mean	N	SD	t	df	p-value
Fraction 1	12.37	10	0.551453	0.5393	9	0.6028
Control	12.25	10	0.663744			
Fraction 2	12.06	10	0.596992	0.4468	9	0.6656
Control	11.91	10	0.741545			
Fraction 3	12.37	10	0.630952	0.5014	9	0.6281
Control	12.27	10	0.6961			
Fraction 4	5.03	10	0.214709	-29.8766	9	0.00
Control	12.25	10	0.587367			
Fraction 5	12.43	10	0.645058	2.0572	9	0.06979
Control	12.08	10	0.656252			
Fraction 6	11.91	10	0.633167	-0.6751	9	0.5166
Control	12.12	10	0.785706			
Fraction 7	12.47	10	0.571052	1.6274	9	0.1381
Control	12.11	10	0.674043			
Fraction 8	11.95	10	0.618466	-0.3612	9	0.7263
Control	12.07	10	0.700872			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 59: Consumption of paper disc treated with fractions from *A. galanga* by *C. curvignathus* in choice assay after 48 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	11.9	13.5	12.6	11.5	12.4	13.5	11.9	12.6	12.4	11.5	12.38
Control	11.3	13.4	12.4	11.9	12.2	12.4	11.3	13.4	12.2	11.9	12.24
Fraction 2	11.7	12.9	11	12.8	11.6	11	12.9	11.7	11.6	12.8	12.00
Control	11	11.9	12.1	12.1	12.2	12.1	11	11.9	12.2	12.1	11.86
Fraction 3	11.3	13.6	12.5	11.6	12.1	12.5	11.3	13.6	12.1	11.6	12.22
Control	11.2	13.5	12.3	12	12.2	13.5	11.2	12.3	12.2	12	12.24
Fraction 4	5.2	5.4	4.8	4.9	4.7	4.8	5.2	5.4	4.7	4.9	5.00
Control	11.7	11.4	12.5	13.2	12.7	12.5	11.7	11.4	12.7	13.2	12.30
Fraction 5	11.4	13.7	12.6	11.7	12.3	12.6	11.4	13.7	12.3	11.7	12.34
Control	11.1	13.5	12.2	11.9	12	13.5	11.1	12.2	12	11.9	12.14
Fraction 6	11	12.8	10.8	12.3	12.2	10.8	11	12.8	12.2	12.3	11.82
Control	11.2	12.1	12.2	12.4	12.6	12.2	11.2	12.1	12.6	12.4	12.10
Fraction 7	11.9	13.7	12.7	11.7	12.4	12.7	11.9	13.7	12.4	11.7	12.48
Control	11.1	13.3	12.2	11.8	12	12.2	11.1	13.3	12	11.8	12.08
Fraction 8	11.1	12.7	10.9	12.6	12.1	10.9	11.1	12.7	12.1	12.6	11.88
Control	11.3	12	12.3	12.2	12.4	12.3	11.3	12	12.4	12.2	12.04

Table 60: Consumption of paper disc treated with fractions from *A. galanga* by *M. carbonarius* in choice assay after 48 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	12.3	12.2	12	13.1	12.2	12	12.3	12.2	13.1	12.2	12.36
Control	11.6	12.6	13	11.6	12.5	12.6	11.6	13	12.5	11.6	12.26
Fraction 2	12.5	12	12.2	12.5	11.4	12.2	12.5	12	11.4	12.5	12.12
Control	11.5	10.8	12.9	11.5	13.1	12.9	11.5	10.8	13.1	11.5	11.96
Fraction 3	12.4	12.1	12.2	13	12.8	12.2	12.4	12.1	12.8	13	12.50
Control	11.7	12.5	13.1	11.6	12.6	13.1	11.7	12.5	12.6	11.6	12.30
Fraction 4	4.8	5.2	5.2	5	5.1	5.2	4.8	5.2	5.1	5	5.06
Control	12.3	11.4	12.6	12.5	12.2	12.6	12.3	11.4	12.2	12.5	12.20
Fraction 5	12.4	12.2	12	13.1	12.9	12	12.4	12.2	12.9	13.1	12.52
Control	11.6	12.4	12.1	11.5	12.5	12.1	11.6	12.4	12.5	11.5	12.02
Fraction 6	12.5	11.8	12.1	12.3	11.3	12.1	12.5	11.8	11.3	12.3	12.00
Control	11.7	10.9	13.1	12	13.3	13.1	11.7	10.9	13.3	12	12.20
Fraction 7	12.5	12.3	12.2	13.2	12.1	12.2	12.5	12.3	12.1	13.2	12.46
Control	11.5	12.4	12.9	11.5	12.4	12.9	11.5	12.4	11.5	12.4	12.14
Fraction 8	12.4	12.1	12	12.4	11.2	12	12.4	12.1	11.2	12.4	12.02
Control	11.6	11	13	11.7	13.2	13	11	11.6	13.2	11.7	12.10



Table 61: Consumption of paper disc treated with fractions from *A. galanga* by *C. gestroi* in choice assay after 72 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	14.2	15.3	14.9	16.1	15.7	16.5	14.4	14.6	16.5	15.4	15.36
Control	15.5	14.7	17.2	16.7	15.5	14.4	17.3	14.8	15.8	16.3	15.82
Fraction 2	14.7	14.6	15.3	16.1	15.5	15.8	16.1	14.6	16.7	14.9	15.43
Control	16.9	15.7	16.4	15.2	14.8	14.7	16.3	15.5	16.8	16.6	15.89
Fraction 3	14.4	14.9	15.1	16.4	15.2	16.1	15.7	14.9	16.6	15.1	15.44
Control	14.1	16.1	15.9	16.7	17.2	17.1	16.9	15.3	15.2	16.4	16.09
Fraction 4	8.7	7.3	8.1	8.6	8.3	9.1	7.3	7.8	7.7	8.9	8.18
Control	15.2	14.6	17.1	16.7	15.3	14.3	17.2	14.7	15.7	16.2	15.70
Fraction 5	14.4	15.3	15.1	16.2	15.5	16.5	14.6	14.7	16.6	15.4	15.43
Control	15.6	14.2	17.1	15.4	15.1	16.4	16.3	15.4	16.4	15.6	15.75
Fraction 6	14.6	15.1	15.2	16.6	15.4	16.3	15.9	15.1	16.8	14.7	15.57
Control	16.8	15.6	16.2	15.1	14.6	14.7	16.1	15.9	16.6	16.4	15.80
Fraction 7	14.5	15.3	15.2	16.2	15.9	16.5	14.7	14.7	16.7	15.4	15.51
Control	14.5	15.8	15.9	16.4	17.1	16.8	16.9	15.1	15.3	16.1	15.99
Fraction 8	14.5	14.8	15.1	16.3	15.3	16.1	15.8	14.8	16.7	14.4	15.38
Control	15.8	14.3	17.2	15.5	15.3	16.5	16.4	15.4	16.6	15.7	15.87

Paired t-test						
	Mean	N	SD	t	df	p-value
Fraction 1	15.36	10	0.84	-0.98	9	0.35
Control	15.82	10	1.03			
Fraction 2	15.43	10	0.74	-1.29	9	0.23
Control	15.89	10	0.82			
Fraction 3	15.44	10	0.73	-2.14	9	0.06
Control	16.09	10	0.99			
Fraction 4	8.18	10	0.65	-18.07	9	0
Control	15.70	10	1.06			
Fraction 5	15.43	10	0.78	-0.97	9	0.36
Control	15.75	10	0.82			
Fraction 6	15.57	10	0.78	-0.57	9	0.58
Control	15.80	10	0.78			
Fraction 7	15.51	10	0.78	-1.67	9	0.13
Control	15.99	10	0.85			
Fraction 8	15.38	10	0.8	-1.74	9	0.12
Control	15.87	10	0.83			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 62: Consumption of paper disc treated with fractions from *A. galanga* by *C. curvignathus* in choice assay after 72 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	16.5	14.4	14.6	16.5	15.4	14.6	14.4	16.5	16.5	15.4	15.48
Control	14.4	17.3	14.8	15.8	16.3	17.3	14.4	14.8	16.3	15.8	15.72
Fraction 2	15.8	16.1	14.6	16.7	14.9	16.1	15.8	14.6	14.9	16.7	15.62
Control	14.7	16.3	15.5	16.8	16.6	15.5	14.7	16.3	16.6	16.8	15.98
Fraction 3	16.1	15.7	14.9	16.6	15.1	14.9	16.1	15.7	15.1	16.6	15.68
Control	17.1	16.9	15.3	15.2	16.4	16.9	17.1	15.3	16.4	15.2	16.18
Fraction 4	9.1	7.3	7.8	7.7	8.9	7.8	9.1	7.3	8.9	7.7	8.16
Control	14.3	17.2	14.7	15.7	16.2	14.7	14.3	17.2	15.7	16.2	15.62
Fraction 5	16.5	14.6	14.7	16.6	15.4	14.7	16.5	14.6	15.4	16.6	15.56
Control	16.4	16.3	15.4	16.4	15.6	15.4	16.4	16.3	15.6	16.4	16.02
Fraction 6	16.3	15.9	15.1	16.8	14.7	15.1	16.3	15.9	14.7	16.8	15.76
Control	14.7	16.1	15.9	16.6	16.4	15.9	16.1	14.7	16.4	16.6	15.94
Fraction 7	16.5	14.7	14.7	16.7	15.4	14.7	16.5	14.7	15.4	16.7	15.60
Control	16.8	16.9	15.1	15.3	16.1	15.1	16.8	16.9	16.1	15.3	16.04
Fraction 8	16.1	15.8	14.8	16.7	14.4	14.8	16.1	15.8	14.4	16.7	15.56
Control	16.5	16.4	15.4	16.6	15.7	15.4	16.5	16.4	15.7	16.6	16.12

Table 63: Consumption of paper disc treated with fractions from *A. galanga* by *M. carbonarius* in choice assay after 72 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	14.2	15.3	14.9	16.1	15.7	14.9	14.2	15.3	15.7	16.1	15.24
Control	15.5	14.7	17.2	16.7	15.5	17.2	15.5	14.7	15.5	16.7	15.92
Fraction 2	14.7	14.6	15.3	16.1	15.5	15.3	14.7	14.6	15.5	16.1	15.24
Control	16.9	15.7	16.4	15.2	14.8	16.4	16.9	15.7	14.8	15.2	15.80
Fraction 3	14.4	14.9	15.1	16.4	15.2	15.1	14.4	14.9	15.2	16.4	15.20
Control	14.1	16.1	15.9	16.7	17.2	16.1	14.1	15.9	17.2	16.7	16.00
Fraction 4	8.7	7.3	8.1	8.6	8.3	7.3	8.7	8.1	8.3	8.6	8.20
Control	15.2	14.6	17.1	16.7	15.3	17.1	15.2	14.6	15.3	16.7	15.78
Fraction 5	14.4	15.3	15.1	16.2	15.5	15.3	14.4	15.1	15.5	16.2	15.30
Control	15.6	14.2	17.1	15.4	15.1	17.1	15.6	14.2	15.1	15.4	15.48
Fraction 6	14.6	15.1	15.2	16.6	15.4	15.2	14.6	15.1	15.4	16.6	15.38
Control	16.8	15.6	16.2	15.1	14.6	15.6	16.8	16.2	14.6	15.1	15.66
Fraction 7	14.5	15.3	15.2	16.2	15.9	15.2	14.5	15.3	15.9	16.2	15.42
Control	14.7	15.8	15.9	16.4	17.1	15.9	14.7	15.8	17.1	16.4	15.98
Fraction 8	14.5	14.8	15.1	16.3	15.3	14.8	14.5	15.1	15.3	16.3	15.20
Control	15.8	14.3	17.2	15.5	15.5	17.2	15.8	15.5	14.3	15.5	15.66

Table 64: Consumption of paper disc treated with fractions of *C. indicum* by *C. gestroi* in choice assay after 24 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	7.4	6.9	7	7.4	6.2	6.4	7.3	7.1	6.6	7.5	6.98
Control	7.6	7	7.3	6.7	7.2	7.1	7	6.5	7.4	6.6	7.04
Fraction 2	7.9	7.3	7.2	7	7.9	6.5	7.7	6.7	7.7	7.4	7.33
Control	7.5	7.2	7.2	6.5	7.4	7.1	7.3	6.5	7.8	7	7.15
Fraction 3	7.5	6.8	7.1	7.3	6.5	6.7	7.8	6.6	6.9	7.4	7.06
Control	7.7	6.9	7.4	6.6	7.3	7	7.1	6.8	7.3	6.3	7.04
Fraction 4	7.9	7.2	7	7.1	7.7	6.3	7.7	6.6	7.5	7.3	7.23
Control	7.6	7.2	7.3	6.5	7.5	7.1	6.7	7.2	7.3	7.8	7.22
Fraction 5	5.6	5.9	5.3	5.5	6.4	5.7	5.5	5.9	5.4	6.1	5.73
Control	7.4	6.7	7.7	6.6	7.5	6.8	7.2	7.4	7.3	7	7.16
Fraction 6	7.6	6.8	7.2	7.3	6.4	6	7.9	6.6	6.8	7.4	7
Control	7.7	6.8	7.4	6.5	7.3	6.8	7.1	6.1	7.3	6.7	6.97
Fraction 7	7.8	7.6	7.1	7.2	7.8	6.5	7.6	6.7	7.6	7.4	7.33
Control	7.5	6.9	7.2	6.7	7.4	7.2	7.4	6.6	7.8	7.1	7.18
Fraction 8	7.5	6.9	7.1	7.4	6.3	6.1	7.8	6.7	6.7	7.5	7
Control	7.6	6.9	7.3	6.6	7.3	7	6.9	6.2	7.2	6.7	6.97

Paired t-test						
	Mean	N	SD	t	df	p-value
Fraction 1	6.98	10	0.451664	-0.2852	9	0.782
Control	7.04	10	0.356526			
Fraction 2	7.33	10	0.487739	1.6462	9	0.1341
Control	7.15	10	0.408928			
Fraction 3	7.06	10	0.429987	0.1051	9	0.9186
Control	7.04	10	0.411501			
Fraction 4	7.23	10	0.505635	0.056	9	0.9566
Control	7.22	10	0.39101			
Fraction 5	5.73	10	0.34335	-8.7918	9	0.00
Control	7.16	10	0.368782			
Fraction 6	7.00	10	0.583095	0.1468	9	0.8866
Control	6.97	10	0.478539			
Fraction 7	7.33	10	0.449815	1.1838	9	0.2668
Control	7.18	10	0.370585			
Fraction 8	7.00	10	0.557773	0.1351	9	0.8955
Control	6.97	10	0.405654			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 65: Consumption of paper disc treated with fractions of *C. indicum* by *C. curvignathus* in choice assay after 24 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	6.4	7.3	7.1	6.6	7.5	7.1	6.4	7.3	7.5	6.6	6.98
Control	7.1	7	6.5	7.4	6.6	6.5	7.1	7	6.6	7.4	6.92
Fraction 2	6.5	7.7	6.7	7.7	7.4	6.7	6.5	7.7	7.4	7.7	7.20
Control	7.1	7.3	6.5	7.8	7	6.5	7.1	7.3	7	7.8	7.14
Fraction 3	6.7	7.8	6.6	6.9	7.4	6.6	6.7	7.8	7.4	6.9	7.08
Control	7	7.1	6.8	7.3	6.3	6.8	7	7.1	6.3	7.3	6.90
Fraction 4	6.3	7.7	6.6	7.5	7.3	6.6	6.3	7.7	7.3	7.5	7.08
Control	7.1	6.7	7.2	7.3	7.8	6.7	7.1	7.8	7.2	7.3	7.22
Fraction 5	5.7	5.5	5.9	5.4	6.1	5.9	5.5	5.7	6.1	5.4	5.72
Control	6.8	7.2	7.4	7.3	7	7.2	6.8	7.4	7	7.3	7.14
Fraction 6	6	7.9	6.6	6.8	7.4	6.6	6	7.9	7.4	6.8	6.94
Control	6.8	7.1	6.1	7.3	6.7	6.1	6.8	6.7	7.1	7.3	6.70
Fraction 7	6.5	7.6	6.7	7.6	7.4	6.7	6.5	7.6	7.4	7.6	7.16
Control	7.2	7.4	6.6	7.8	7.1	7.4	7.2	7.4	7.8	7.1	7.30
Fraction 8	6.1	7.8	6.7	6.7	7.5	6.7	6.1	7.8	7.5	6.7	6.96
Control	7	6.9	6.2	7.2	6.7	6.2	7	6.9	6.7	7.2	6.80

Table 66: Consumption of paper disc treated with fractions of *C. indicum* by *M. carbonarius* in choice assay after 24 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	7.4	6.9	7	7.4	6.2	6.9	7.4	7	6.2	7.4	6.98
Control	7.6	7	7.3	6.7	7.2	7.3	7	7.6	7.2	6.7	7.16
Fraction 2	7.9	7.3	7.2	7	7.9	7.2	7.9	7.3	7.9	7	7.46
Control	7.5	7.2	7.4	6.5	7.4	7.4	7.5	7.2	7.4	6.5	7.20
Fraction 3	7.5	6.8	7.1	7.3	6.5	7.1	7.5	6.8	6.5	7.3	7.04
Control	7.7	6.9	7.4	6.6	7.3	7.4	7.7	6.9	7.3	6.6	7.18
Fraction 4	7.9	7.2	7	7.1	7.7	7	7.9	7.2	7.7	7.1	7.38
Control	7.6	7.2	7.3	6.5	7.5	7.3	7.6	7.2	7.5	6.5	7.22
Fraction 5	5.6	5.9	5.3	5.5	6.4	5.9	5.6	5.5	5.3	6.4	5.74
Control	7.4	6.7	7.7	6.6	7.5	7.7	7.4	6.7	7.5	6.6	7.18
Fraction 6	7.6	6.8	7.2	7.3	6.4	7.2	7.6	6.8	6.4	7.3	7.06
Control	7.7	6.8	7.4	6.5	7.3	7.4	7.7	6.8	7.3	6.5	7.14
Fraction 7	7.8	7.6	7.1	7.2	7.8	7.1	7.8	7.6	7.8	7.2	7.50
Control	7.5	6.9	7.2	6.7	7.4	7.2	7.5	6.9	7.4	6.7	7.14
Fraction 8	7.5	6.7	7.1	7.4	6.3	7.1	7.5	6.7	6.3	7.4	7.00
Control	7.6	6.9	7.3	6.6	7.3	7.3	7.6	6.9	7.3	6.6	7.14

Table 67: Consumption of paper disc treated with fractions of *C. indicum* by *C. gestroi* in choice assay after 48 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	12.4	11.9	12	12.4	11.2	11.3	12.7	10.9	12.6	11.5	11.89
Control	11.6	11	13	11.7	13.2	11.1	12	12.3	12.1	12.4	12.04
Fraction 2	12.5	12.3	12.2	13.2	12.9	11.5	13.7	12.7	11.7	12	12.47
Control	11.5	12.6	12.9	11.5	12.4	11.1	13.3	12.2	11.8	12.3	12.16
Fraction 3	12.5	11.8	12.1	12.3	11.3	11	12.8	10.8	12.7	11.4	11.87
Control	11.7	10.9	13.1	11.6	13.3	11	12.1	12.2	12.5	12.3	12.07
Fraction 4	12.5	12.2	12	13.1	12.9	11.4	13.7	12.6	11.7	12.3	12.44
Control	11.6	12.4	13	11.5	12.5	11.1	13.4	12.2	11.9	12.1	12.17
Fraction 5	6.8	6.6	7.3	6.3	7.6	6.7	7.4	7.2	6.9	6	6.88
Control	12.2	12.9	12.1	12.4	11.4	12.5	12.3	11.4	12.4	12	12.16
Fraction 6	12.6	11.9	12.2	12.4	11.4	11	12.9	10.8	12.8	11.4	11.94
Control	11.7	10.9	13.1	11.5	13.1	11.1	12.1	12.1	12.3	12.2	12.01
Fraction 7	12.4	12.3	12.1	13.2	12.8	11.5	13.6	12.7	11.6	12.4	12.46
Control	11.5	12.5	12.9	11.6	12.4	11.2	13.3	12.3	11.8	12.1	12.16
Fraction 8	12.5	11.9	12.1	12.4	11.3	11.1	12.8	10.5	12.7	11.5	11.88
Control	11.6	10.9	13	11.6	13.2	11	12	12.2	12.1	12.3	11.99

Paired t-test						
	Mean	N	SD	t	Df	p-value
Fraction 1	11.89	10	0.636745	-0.4442	9	0.6674
Control	12.04	10	0.726024			
Fraction 2	12.47	10	0.643506	1.3974	9	0.1958
Control	12.16	10	0.686699			
Fraction 3	11.87	10	0.718099	-0.6049	9	0.5602
Control	12.07	10	0.795892			
Fraction 4	12.44	10	0.680196	1.2409	9	0.246
Control	12.17	10	0.6961			
Fraction 5	6.88	10	0.505085	-19.9629	9	0.00
Control	12.16	10	0.469515			
Fraction 6	11.94	10	0.756013	-0.2154	9	0.8342
Control	12.01	10	0.740045			
Fraction 7	12.46	10	0.653537	1.4639	9	0.1773
Control	12.16	10	0.653537			
Fraction 8	11.88	10	0.761285	-0.3106	9	0.7632
Control	11.99	10	0.753437			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 68: Consumption of paper disc treated with fractions of *C. indicum* by *C. curvignathus* in choice assay after 48 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	12.6	11.5	12.7	11.3	10.9	11.3	12.7	10.9	12.6	11.5	11.80
Control	12.4	12.3	12.1	11.1	12	11.1	12	12.3	12.1	12.4	11.98
Fraction 2	13.7	11.7	11.5	12.7	12	11.5	13.7	12.7	11.7	12	12.32
Control	12.2	12.3	11.1	11.8	13.3	11.1	13.3	12.2	11.8	12.3	12.14
Fraction 3	12.8	10.8	10.9	11.4	12.7	10.9	12.8	10.8	12.7	11.4	11.72
Control	12.1	11	12.2	12.3	12.5	11	12.1	12.2	12.5	12.3	12.02
Fraction 4	13.7	11.4	12.6	12.3	11.7	11.4	13.7	12.6	11.7	12.3	12.34
Control	13.4	12.2	11.1	12.1	11.9	11.1	13.4	12.2	11.9	12.1	12.14
Fraction 5	7.4	6.7	7.2	6	6.9	6.7	7.4	7.2	6.9	6	6.84
Control	12.3	12.5	11.4	12	12.4	12.5	12.3	11.4	12.4	12	12.12
Fraction 6	12.9	11	10.8	11.4	12.8	11	12.9	10.8	12.8	11.4	11.78
Control	12.1	11.1	12.1	12.2	12.3	11.1	12.1	12.1	12.3	12.2	11.96
Fraction 7	13.6	11.5	12.7	12.4	11.6	11.5	13.6	12.7	11.6	12.4	12.36
Control	2.26	2.68	3.25	2.48	1.69	2.68	2.26	3.25	1.69	2.48	2.47
Fraction 8	12.8	11.1	10.5	11.5	12.7	11.1	12.8	10.5	12.7	11.5	11.72
Control	12.2	11	12	12.3	12.1	11	12	12.2	12.1	12.3	11.92

Table 69: Consumption of paper disc treated with fractions of *C. indicum* by *M. carbonarius* in choice assay after 48 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	12.4	11.9	12	12.4	11.2	11.9	12.4	12	11.2	12.4	11.98
Control	11.6	11	13	11.7	13.2	13	11.6	11	13.2	11.7	12.10
Fraction 2	12.5	12.3	12.2	13.2	12.9	12.2	12.5	12.3	12.9	13.2	12.62
Control	11.5	12.6	12.9	11.5	12.4	12.9	11.5	12.6	12.4	11.5	12.18
Fraction 3	12.5	11.8	12.1	12.3	11.3	12.1	12.5	11.8	11.3	12.3	12.00
Control	11.7	10.9	13.1	11.6	13.3	13.1	10.9	11.7	13.3	11.6	12.12
Fraction 4	12.5	12.2	12	13.1	12.9	12.2	12.5	12	12.9	13.1	12.54
Control	11.6	12.4	13	11.5	12.5	13	11.6	12.4	11.5	12.5	12.20
Fraction 5	6.8	6.6	7.3	6.3	7.6	7.3	6.8	6.6	7.6	6.3	6.92
Control	12.2	12.9	12.1	12.4	11.4	12.1	12.2	12.9	11.4	12.4	12.20
Fraction 6	12.6	11.9	12.2	12.4	11.4	12.2	12.6	11.9	11.4	12.4	12.10
Control	11.7	10.9	13.1	11.5	13.1	13.1	11.7	10.9	13.1	11.5	12.06
Fraction 7	12.4	12.3	12.1	13.2	12.8	12.3	12.1	12.4	12.8	13.2	12.56
Control	11.5	12.5	12.9	11.6	12.4	12.9	11.5	12.5	12.4	11.6	12.18
Fraction 8	12.5	11.9	12.1	12.4	11.3	12.4	12.1	11.3	11.9	12.5	12.04
Control	11.6	10.9	13	11.6	13.2	13	10.9	11.6	13.2	11.6	12.06

Table 70: Consumption of paper disc treated with fractions of *C. indicum* by *C. gestroi* in choice assay after 72 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	14.3	15.1	14.9	16.1	15.7	16.3	14.5	14.5	16.5	15.2	15.31
Control	15.7	14.6	16.8	16.7	15.6	14.3	17.5	14.7	15.9	16.2	15.8
Fraction 2	14.7	15.3	15.1	16.5	15.5	16.2	15.9	15	16.9	14.6	15.57
Control	16.9	15.5	16.3	15.1	14.7	14.5	16.2	15.3	16.7	16.4	15.76
Fraction 3	14.6	15.1	15.2	16.6	15.4	16.3	15.9	15.1	16.8	14.7	15.57
Control	14.4	15.9	15.8	16.5	17	16.8	16.8	15.1	15	16.2	15.95
Fraction 4	14.4	15.3	15.1	16.2	15.8	16.5	14.6	14.7	16.6	15.4	15.46
Control	15.6	14.2	17	15.4	15.1	16.4	16.3	15.4	16.7	15.6	15.77
Fraction 5	8.7	7.3	8.1	8.6	8.3	9	7.3	7.9	7.7	8.9	8.18
Control	15.4	15	16.9	17.1	15.3	14.7	17.2	14.7	15.7	16.2	15.82
Fraction 6	14.4	14.9	15	16.4	15.2	16.1	15.7	14.9	16.6	15.1	15.43
Control	17	15.8	16.4	15.3	14.8	15.1	16.3	15.6	16.8	16.5	15.96
Fraction 7	14.3	15.2	15	16.1	15.7	16.4	14.5	14.6	16.5	15.3	15.36
Control	14.7	16	16.2	16.6	17.1	16.9	17	15.6	15.2	16.3	16.16
Fraction 8	14.4	15.1	15	16.5	15.1	16.2	15.7	14.9	16.6	14.6	15.41
Control	15.6	14.4	16.9	15.6	15.1	16.6	16.3	15.6	16.4	15.8	15.83

Paired t-test						
	Mean	N	SD	T	df	p-value
Fraction 1	15.31	10	0.8	-1.09	9	0.3
Control	15.8	10	1.04			
Fraction 2	15.57	10	0.78	-0.47	9	0.652
Control	15.76	10	0.85			
Fraction 3	15.57	10	0.78	-1.22	9	0.25
Control	15.95	10	0.88			
Fraction 4	15.46	10	0.79	-0.94	9	0.37
Control	15.77	10	0.84			
Fraction 5	8.18	10	0.63	-19.95	9	0
Control	15.82	10	0.97			
Fraction 6	15.43	10	0.73	-1.46	9	0.18
Control	15.96	10	0.75			
Fraction 7	15.36	10	0.79	-2.64	9	0.03
Control	16.16	10	0.8			
Fraction 8	15.41	10	0.8	-1.5	9	0.17
Control	15.83	10	0.75			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 71: Consumption of paper disc treated with fractions of *C. indicum* by *C. curvignathus* in choice assay after 72 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	16.3	14.5	14.5	16.5	15.2	14.5	16.3	14.5	15.2	16.5	15.40
Control	14.3	17.5	14.7	15.9	16.2	14.7	14.3	17.5	16.2	15.9	15.72
Fraction 2	16.2	15.9	15	16.9	14.6	15	16.2	15.9	14.6	16.9	15.72
Control	14.5	16.2	15.3	16.7	16.4	16.2	14.5	15.3	16.4	16.7	15.82
Fraction 3	16.3	15.9	15.1	16.8	14.7	15.9	16.3	15.1	14.7	16.8	15.76
Control	16.8	16.8	15.1	15	16.2	15.1	16.8	15	16.8	16.2	15.98
Fraction 4	16.5	14.6	14.7	16.6	15.4	14.7	16.5	14.6	15.4	16.6	15.56
Control	16.4	16.3	15.4	16.7	15.6	16.3	16.4	15.4	15.6	16.7	16.08
Fraction 5	9	7.3	7.9	7.7	8.9	7.9	7.3	9	8.9	7.7	8.16
Control	14.7	17.2	14.7	15.7	16.2	14.7	17.2	14.7	15.7	16.2	15.70
Fraction 6	16.1	15.7	14.9	16.6	15.1	14.9	16.1	15.7	15.1	16.6	15.68
Control	15.1	16.3	15.6	16.8	16.5	15.6	16.8	15.1	16.3	16.5	16.06
Fraction 7	16.4	14.5	14.6	16.5	15.3	14.6	16.4	14.5	15.3	16.5	15.46
Control	16.9	17	15.6	15.2	16.3	15.6	16.9	17	16.3	15.2	16.20
Fraction 8	16.2	15.7	14.9	16.6	14.6	15.7	16.2	16.6	14.9	14.6	15.60
Control	16.6	16.3	15.6	16.4	15.8	15.6	16.6	16.3	15.8	16.4	16.14

Table 72: Consumption of paper disc treated with fractions of *C. indicum* by *M. carbonarius* in choice assay after 72 hours

Fractions	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Fraction 1	14.3	15.1	14.9	16.1	15.7	15.1	14.3	16.1	14.9	15.7	15.22
Control	15.7	14.6	16.8	16.7	15.6	16.8	15.7	16.7	14.6	15.6	15.88
Fraction 2	14.7	15.3	15.1	16.5	15.5	15.1	14.7	15.3	15.5	16.5	15.42
Control	16.9	15.5	16.3	15.1	14.7	16.3	16.9	15.5	14.7	15.1	15.70
Fraction 3	14.6	15.1	15.2	16.6	15.4	15.2	14.6	15.1	15.4	16.6	15.38
Control	14.4	15.9	15.8	16.5	17	15.9	14.4	17	16.5	15.8	15.92
Fraction 4	14.4	15.3	15.1	16.2	15.8	15.1	14.4	15.3	15.8	16.2	15.36
Control	15.6	14.2	17	15.4	15.1	17	15.6	14.2	15.1	15.4	15.46
Fraction 5	8.7	7.3	8.1	8.6	8.3	8.1	8.7	7.3	8.3	8.6	8.20
Control	15.4	15	16.9	17.1	15.3	16.9	15.4	15	15.3	17.1	15.94
Fraction 6	14.4	14.9	15	16.4	15.2	15	14.4	14.9	15.2	16.4	15.18
Control	17	15.8	16.4	15.3	14.8	16.4	17	15.8	14.8	15.3	15.86
Fraction 7	14.3	15.2	15	16.1	15.7	15	14.3	15.2	15.7	16.1	15.26
Control	14.7	16	16.2	16.6	17.1	16.2	14.7	16.6	16	17.7	16.18
Fraction 8	14.4	15.1	15	16.5	15.1	15	15.1	14.4	15.1	16.5	15.22
Control	15.6	14.4	16.9	15.6	15.1	14.4	15.6	15.6	16.9	15.1	15.52



Table 73: Consumption of paper disc treated with *A. galanga* TLC spots by *C. gestroi* in choice assay after 24 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	8.1	7.3	7.2	7	7.9	6.3	7.7	6.7	7.7	7.2	7.31
Control	7.6	6.4	7.5	6.5	7.6	7.1	7.5	6.5	8	7.1	7.18
Spot 2	7.5	6.8	7.3	7.4	6.5	6.7	8	6.6	6.9	7.4	7.11
Control	7.7	6.7	7.4	6.4	7.3	6.8	7.1	6.3	7.3	6.1	6.91
Spot 3	8.2	7.3	6.7	7.3	7.1	6.1	7.9	6.5	7.9	7	7.2
Control	7.6	6.8	7.4	6.4	7.8	6.9	7.7	7	7.9	6.9	7.24
Spot 4	3.8	3.1	3.5	2.5	3.6	2.6	3.5	2.8	3.5	3.2	3.21
Control	7.4	7	7.1	6.5	7	7.1	7.2	6.8	7.1	6.6	6.98

Spots from *A. galanga* day 1

Paired t-test						
	Mean	N	SD	t	df	p-value
Spot 1	7.31	10	0.556677	0.8429	9	0.4211
Control	7.18	10	0.555378			
Spot 2	7.11	10	0.481779	0.9416	9	0.371
Control	6.91	10	0.532186			
Spot 3	7.2	10	0.666667	-0.2081	9	0.8398
Control	7.24	10	0.505964			
Spot 4	3.21	10	0.44833	-35.3956	9	0.00
Control	6.98	10	0.274064			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 74: Consumption of paper disc treated with *A. galanga* TLC spots by *C. curvignathus*

in choice assay after 24 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	8.1	7.3	7.2	7.0	7.9	7.2	8.1	7.3	7.9	7.0	7.50
Control	7.6	6.4	7.5	6.5	7.6	6.4	7.6	7.5	7.6	6.5	7.12
Spot 2	7.5	6.8	7.3	7.4	6.5	7.3	7.5	6.8	6.5	7.4	7.06
Control	7.7	6.7	7.4	6.4	7.3	7.4	7.7	6.7	7.3	6.4	7.10
Spot 3	8.2	7.3	6.7	7.3	7.1	7.3	8.2	6.7	7.1	7.3	7.32
Control	7.6	6.8	7.4	6.4	7.8	7.4	7.6	6.8	7.8	6.4	7.20
Spot 4	3.8	3.1	3.5	2.5	3.6	3.5	3.8	3.1	3.6	2.5	3.30
Control	7.4	7	7.1	6.5	7	7.1	7.4	7	6.5	7	7.00

Table 75: Consumption of paper disc treated with *A. galanga* TLC spots by *M. carbonarius*

in choice assay after 24 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	6.3	7.7	6.7	7.7	7.2	6.7	6.3	7.7	7.2	7.7	7.12
Control	7.1	7.5	6.5	8	7.1	6.5	7.5	7.1	8	7.1	7.24
Spot 2	6.7	8	6.6	6.9	7.4	6.6	6.7	6.9	8	7.4	7.12
Control	6.8	7.1	6.3	7.3	6.1	6.3	6.1	6.8	7.3	7.1	6.65
Spot 3	6.1	7.9	6.5	7.9	7	6.5	6.1	7.9	7	7.9	7.08
Control	6.9	7.7	7	7.9	6.9	7	6.9	7.7	6.9	7.9	7.28
Spot 4	2.6	3.5	2.8	3.5	3.2	2.8	2.6	3.5	3.2	3.5	3.14
Control	7.1	7.2	6.8	7.1	6.6	6.8	7.1	7.2	6.6	7.1	6.96

Table 76: Consumption of paper disc treated with *A. galanga* TLC spots by *C. gestroi* in choice assay after 48 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	12.1	12.5	12.2	12.8	12	11.6	13.3	12.3	11.7	12.1	12.26
Control	11.3	12.4	12.7	11.8	12.2	11.5	13.1	12.6	11.6	12	12.12
Spot 2	12.2	12.3	11.9	12.7	11.1	11.9	12.6	11.2	12.5	11.8	12.02
Control	11.3	11.1	12.7	11.8	12.9	11.2	11.7	11.8	12.3	11.9	11.87
Spot 3	12.3	12.4	12.1	13.2	12.7	11.5	13.5	12.7	11.5	12.4	12.43
Control	11.5	12.6	12.9	11.7	12.4	11.3	13.3	12.4	11.8	12.3	12.22
Spot 4	4.6	5.1	5	4.9	5.3	5.2	5.2	4.7	5.1	4.8	4.99
Control	12.1	11.6	12.5	12.7	12.1	11.9	11.3	12.7	13.1	12.9	12.29

Spots from *A. galanga* day 2

Paired t-test						
	Mean	N	SD	t	df	p-value
Spot 1	12.26	10	0.505964	0.9625	9	0.3609
Control	12.12	10	0.582714			
Spot 2	12.02	10	0.551362	0.4903	9	0.6357
Control	11.87	10	0.60928			
Spot 3	12.43	10	0.644722	1.0666	9	0.3139
Control	12.22	10	0.637356			
Spot 4	4.99	10	0.233095	-32.150	9	0.00
Control	12.29	10	0.585852			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 77: Consumption of paper disc treated with *A. galanga* TLC spots by *C. curvignathus*

in choice assay after 48 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	12.1	12.5	12.2	12.8	12	12.2	12.1	12.5	12	12.8	12.32
Control	11.3	12.4	12.7	11.8	12.2	12.7	11.3	12.4	12.2	11.8	12.08
Spot 2	12.2	12.3	11.9	12.7	11.1	11.9	12.2	12.3	11.1	12.7	12.04
Control	11.3	11.1	12.7	11.8	12.9	12.7	11.1	11.3	12.9	11.8	11.96
Spot 3	12.3	12.4	12.1	13.2	12.7	12.1	12.3	12.4	12.7	13.2	12.54
Control	11.5	12.6	12.9	11.7	12.4	12.9	11.5	12.6	12.4	11.7	12.22
Spot 4	4.6	5.1	5	4.9	5.3	5.1	4.6	5	5.3	4.9	4.98
Control	12.1	11.6	12.5	12.7	12.1	12.5	12.1	11.6	12.1	12.7	12.20

Table 78: Consumption of paper disc treated with *A. galanga* TLC spots by *M. carbonarius*

in choice assay after 48 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	12.3	11.6	13.3	12.1	11.7	11.6	13.3	12.3	11.7	12.1	12.20
Control	12.6	11.5	13.1	12	11.6	11.5	13.1	12.6	11.6	12	12.16
Spot 2	11.2	11.9	12.6	11.8	12.5	11.9	12.6	11.2	12.5	11.8	12.00
Control	11.8	11.2	11.7	11.9	12.3	11.2	11.7	11.8	12.3	11.9	11.78
Spot 3	12.7	11.5	13.5	12.4	11.5	11.5	13.5	12.7	11.5	12.4	12.32
Control	12.4	11.3	13.3	12.3	11.8	11.3	13.3	12.4	11.8	12.3	12.22
Spot 4	4.7	5.2	5.1	5.2	4.8	5.2	5.2	4.7	5.1	4.8	5.00
Control	12.7	11.9	11.3	12.9	13.1	11.9	11.3	12.7	13.1	12.9	12.38

Table 79: Consumption of paper disc treated with *A. galanga* TLC spots by *C. gestroi* in choice assay after 72 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	14.5	15.1	14.9	16.6	15.3	16.3	15.8	15.1	16.7	14.7	15.5
Control	16.8	15.7	16.2	15.2	14.6	14.7	16.1	15.5	16.6	16.5	15.79
Spot 2	14.6	15	15.2	16.5	15.4	16.2	15.9	15.1	16.8	14.6	15.53
Control	14.8	15.9	15.7	16.5	17.1	16.9	17.1	15.1	15.2	16.2	16.05
Spot 3	14.5	15.3	15.2	16.2	15.9	16.5	14.7	14.9	16.7	15.4	15.53
Control	15.6	14.1	17	15.3	15.1	16.3	16.1	15.3	16.4	15.7	15.69
Spot 4	8.8	7.3	8.2	8.6	8.4	9	7.4	7.9	7.8	8.9	8.23
Control	15.4	14.5	17.1	16.6	15.3	14.2	17.2	15.2	15.7	16.1	15.73

Spots from *A. galanga* day 3

Paired t-test						
	Mean	N	SD	t	df	p-value
Spot 1	15.5	10	0.8	-0.71	9	0.5
Control	15.79	10	0.78			
Spot 2	15.53	10	0.78	-1.71	9	0.12
Control	16.05	10	0.85			
Spot 3	15.53	10	0.77	-0.49	9	0.63
Control	15.69	10	0.82			
Spot 4	8.23	10	0.61	-18.79	9	0
Control	15.73	10	1.02			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 80: Consumption of paper disc treated with *A. galanga* TLC spots by *C. curvignathus*

in choice assay after 72 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	14.5	15.1	14.9	16.6	15.3	14.9	14.5	15.1	15.3	16.6	15.28
Control	16.8	15.7	16.2	15.2	14.6	16.2	16.8	15.7	14.6	15.2	15.70
Spot 2	14.6	15	15.2	16.5	15.4	15	14.6	15.2	15.4	16.5	15.34
Control	14.8	15.9	15.7	16.5	17.1	15.9	14.8	15.7	17.1	16.5	16.00
Spot 3	14.5	15.3	15.2	16.2	15.9	15.2	14.5	15.3	15.9	16.2	15.42
Control	15.6	14.1	17	15.3	15.1	14.1	15.6	17	15.1	15.3	15.42
Spot 4	8.8	7.3	8.2	8.6	8.4	8.2	8.8	7.3	8.4	8.6	8.26
Control	15.4	14.5	17.1	16.6	15.3	17.1	15.4	14.5	15.3	16.6	15.78

Table 81: Consumption of paper disc treated with *A. galanga* TLC spots by *M. carbonarius*

in choice assay after 72 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	16.3	15.8	15.1	16.7	14.7	15.1	16.3	15.8	14.7	16.7	15.72
Control	14.7	16.1	15.5	16.6	16.5	16.1	14.7	15.5	16.5	16.6	15.88
Spot 2	16.2	15.9	15.1	16.8	14.6	15.9	16.2	15.1	14.6	16.8	15.72
Control	16.9	17.1	15.1	15.2	16.2	15.1	16.9	17.1	16.2	15.2	16.10
Spot 3	16.5	14.7	14.9	16.7	15.4	14.9	16.5	14.7	15.4	16.7	15.64
Control	16.3	16.1	15.3	16.4	15.7	16.1	16.3	15.3	15.7	16.4	15.96
Spot 4	9	7.4	7.9	7.8	8.9	7.9	9	7.4	8.9	7.8	8.20
Control	14.2	17.2	15.2	15.7	16.1	17.2	14.2	15.2	16.1	15.7	15.68

Table 82: Consumption of paper disc treated with *C. indicum* TLC spots by *C. gestroi* in choice assay after 24 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	7.7	7.3	6.8	7.2	7.5	6.5	7.5	6.5	7.3	7.4	7.17
Control	7.5	7	7.4	6.7	7.3	6.9	6.6	7	7.2	7.6	7.12
Spot 2	5.5	5.7	5.2	5.3	6.2	5.5	5.4	5.7	5.3	5.9	5.57
Control	7.2	6.8	7.5	6.7	7.3	6.9	7	7.4	7.1	7.5	7.14
Spot 3	7.2	7	6.8	7.5	6.8	6.9	7.5	6.7	7.2	7.4	7.1
Control	7.5	7.2	7.1	6.9	7.1	7.3	6.9	7.1	7	6.6	7.07

Spots from *C. indicum* day 1

	Paired t-test					
	Mean	N	SD	t	df	p-value
Spot 1	7.17	10	0.424395	0.3333	9	0.7465
Control	7.12	10	0.335989			
Spot 2	5.57	10	0.3093	-14.0675	9	0.00
Control	7.14	10	0.287518			
Spot 3	7.1	10	0.301846	0.2002	9	0.8458
Control	7.07	10	0.245176			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 83: Consumption of paper disc treated with *C. indicum* TLC spots by *C. curvignathus*

in choice assay after 24 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	7.7	7.3	6.8	7.2	7.5	7.3	7.7	6.8	7.5	7.2	7.30
Control	7.5	7	7.4	6.7	7.3	7.4	7.5	7	7.3	6.7	7.18
Spot 2	5.5	5.7	5.2	5.3	6.2	5.2	5.5	5.7	6.2	5.3	5.58
Control	7.2	6.8	7.5	6.7	7.3	6.8	7.2	7.5	7.3	6.7	7.10
Spot 3	7.2	7	6.8	7.5	6.8	7	7.2	6.8	6.8	7.5	7.06
Control	7.5	7.2	7.1	6.9	7.1	7.1	7.5	7.2	6.9	7.1	7.16

Table 84: Consumption of paper disc treated with *C. indicum* TLC spots by *M. carbonarius*

in choice assay after 24 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	7.5	6.5	7.4	6.5	7.3	6.5	7.5	6.5	7.3	7.4	7.04
Control	6.6	6.9	7	7.2	7.6	6.9	6.6	7	7.2	7.6	7.06
Spot 2	5.4	5.5	5.7	5.9	5.3	5.5	5.4	5.7	5.3	5.9	5.56
Control	7.4	6.9	7	7.5	7.1	6.9	7	7.4	7.1	7.5	7.18
Spot 3	6.7	6.9	7.5	7.4	7.2	6.9	7.5	6.7	7.2	7.4	7.14
Control	6.9	7.3	7.1	7	6.6	7.3	6.9	7.1	7	6.6	6.98



Table 85: Consumption of paper disc treated with *C. indicum* TLC spots by *C. gestroi* in choice assay after 48 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	12.2	12.4	12.3	12.9	12.6	11.6	13.4	12.8	11.4	12.5	12.41
Control	11.4	12.7	12.8	11.8	12.3	11.4	13.2	12.5	11.7	12.4	12.22
Spot 2	6.6	6.5	7.1	6.2	7.4	6.6	7.2	7.1	6.7	6.1	6.75
Control	12.1	13.1	12	12.6	11.3	12.7	12.2	11.6	12.3	11.8	12.17
Spot 3	12.4	12	11.9	12.5	11.2	11	12.7	11.3	12.6	11.2	11.88
Control	11.5	11	12.9	11.7	13.1	11.1	11.9	12.1	12.3	12.5	12.01

Spots from *C. indicum* day 2

Paired t-test						
	Mean	N	SD	t	df	p-value
Spot 1	12.41	10	0.591514	1.2183	9	0.2541
Control	12.22	10	0.617882			
Spot 2	6.75	10	0.435252	-20.1124	9	0.00
Control	12.17	10	0.537587			
Spot 3	11.88	10	0.657943	-0.3908	9	0.7051
Control	12.01	10	0.709382			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 86: Consumption of paper disc treated with *C. indicum* TLC spots by *C. curvignathus*

in choice assay after 48 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	12.2	12.4	12.3	12.9	12.6	12.3	12.2	12.4	12.6	12.9	12.48
Control	11.4	12.7	12.8	11.8	12.3	12.8	11.4	12.7	12.3	11.8	12.20
Spot 2	6.6	6.5	7.1	6.2	7.4	7.1	6.6	6.5	7.4	6.2	6.76
Control	12.1	13.1	12	12.6	11.3	13.1	12.1	12	11.3	12.6	12.22
Spot 3	12.4	12	11.9	12.5	11.2	12	12.4	11.9	11.2	12.5	12.00
Control	11.5	11	12.9	11.7	13.1	11	11.5	12.9	13.1	11.7	12.04

Table 87: Consumption of paper disc treated with *C. indicum* TLC spots by *M. carbonarius*

in choice assay after 48 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	13.4	11.6	12.8	12.5	11.4	11.6	13.4	12.8	11.4	12.5	12.34
Control	12.5	11.4	13.2	12.4	11.7	11.4	13.2	12.5	11.7	12.4	12.24
Spot 2	7.1	6.6	7.2	6.1	6.7	6.6	7.2	7.1	6.7	6.1	6.74
Control	12.2	12.7	11.6	11.8	12.3	12.7	12.2	11.6	12.3	11.8	12.12
Spot 3	12.7	11	11.3	11.2	12.6	11	12.7	11.3	12.6	11.2	11.76
Control	11.9	11.1	12.3	12.5	12.1	11.1	11.9	12.1	12.3	12.5	11.98

Table 88: Consumption of paper disc treated with *C. indicum* TLC spots by *C. gestroi* in choice assay after 72 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	14.2	15.2	14.9	16.1	15.6	16.4	14.4	14.6	16.3	15.3	15.3
Control	15.7	14.4	17.1	15.6	15.2	16.6	16.4	15.6	16.5	15.8	15.89
Spot 2	8.8	7.2	8.2	8.5	8.4	9.3	7.4	7.8	7.6	8.9	8.21
Control	15.5	14.5	17.2	16.6	15.4	14.2	17.3	14.6	15.8	16.1	15.72
Spot 3	14.5	15.1	14.9	16.6	15.3	16.3	15.8	15.1	16.7	14.7	15.5
Control	16.8	15.7	16.2	15.2	14.6	14.7	16.1	15.5	16.6	16.5	15.79

Spots from *C. indicum* day 3

Paired t-test						
	Mean	N	SD	t	df	p-value
Spot 1	15.3	10	0.79	-1.7	9	0.11
Control	15.89	10	0.78			
Spot 2	8.21	10	0.7	-17.22	9	0
Control	15.72	10	1.1			
Spot 3	15.5	10	0.8	-0.71	9	0.5
Control	15.79	10	0.78			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 89: Consumption of paper disc treated with *C. indicum* TLC spots by *C. curvignathus*

in choice assay after 72 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	14.2	15.2	14.9	16.1	15.6	15.2	14.5	14.9	15.6	16.1	15.23
Control	15.7	14.4	17.1	15.6	15.2	17.1	15.7	14.4	15.2	15.6	15.60
Spot 2	8.8	7.2	8.2	8.5	8.4	7.2	8.8	8.2	8.4	8.5	8.22
Control	15.5	14.5	17.2	16.6	15.4	17.2	15.5	14.5	15.4	16.6	15.84
Spot 3	14.5	15.1	14.9	16.6	15.3	15.1	14.5	14.9	15.3	16.6	15.28
Control	16.8	15.7	16.2	15.2	14.6	16.2	16.8	15.7	14.6	15.2	15.70

Table 90: Consumption of paper disc treated with *C. indicum* TLC spots by *M. carbonarius*

in choice assay after 72 hours

Spots	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
Spot 1	16.4	14.4	14.6	16.3	15.3	14.6	16.4	14.4	15.3	16.3	15.40
Control	16.6	16.4	15.6	16.5	15.8	16.4	16.6	16.5	15.8	15.6	16.18
Spot 2	9.3	7.4	7.8	7.6	8.9	7.4	9.3	7.6	8.9	7.8	8.20
Control	14.2	17.3	14.6	15.8	16.1	14.6	14.2	17.3	16.1	15.8	15.60
Spot 3	16.3	15.8	15.1	16.7	14.7	15.1	16.3	15.8	14.7	16.7	15.72
Control	14.7	16.1	15.5	16.6	16.5	15.5	14.7	16.1	16.6	16.5	15.88

Table 91: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. gestroi* in choice assay after 24 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	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
200ppm	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
500ppm	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
1000ppm	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

Table 92: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. gestroi* in choice assay after 48 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	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
200ppm	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
500ppm	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
1000ppm	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

Table 93: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. gestroi* in choice assay after 72 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	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	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	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	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

Synthetic compound 1,8-cineol

Paired t-test						
	Mean	N	SD	t	df	p-value
100ppm	12.06	10	0.56	-13.44	9	0
Control	15.88	10	0.77			
200ppm	8.28	10	0.64	-20.57	9	0
Control	15.73	10	1.07			
500ppm	6.73	10	0.67	-28.65	9	0
Control	15.69	10	0.68			
1000ppm	6.84	10	0.64	-26.87	9	0
Control	15.59	10	0.68			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 94: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. curvignathus* in choice assay after 24 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	5.5	5.3	4.9	5	4.7	5.3	5.5	4.9	4.7	5	5.08
Control	4.7	5.1	4.9	5.2	5.2	4.9	5.1	5.2	4.7	5.2	5.02
200ppm	5.1	4.8	5.3	5	4.9	5.3	4.8	5.1	4.9	5	5.02
Control	4.9	5.4	5.1	5.3	5	5.4	4.9	5.3	5.1	5	5.14
500ppm	2.3	1.7	1.6	1.8	2.1	1.7	2.3	1.6	2.1	1.8	1.80
Control	5	5.1	5.2	4.8	4.5	5.2	5.1	5	4.5	4.8	4.92
1000ppm	2.2	1.6	2.1	2.3	2.2	1.6	2.2	2.1	2.2	2.3	2.08
Control	4.9	5	4.6	4.7	4.6	4.6	5	4.9	4.6	4.7	4.76

Table 95: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. curvignathus* in choice assay after 48 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	10.2	10.5	9.8	10.1	9.4	9.8	9.4	10.1	10.5	10.2	10.00
Control	9.2	10.1	9.7	10.5	10.3	10.1	9.2	9.7	10.3	10.5	9.96
200ppm	10.3	9.7	10.6	10.1	9.9	10.2	10.3	9.7	9.9	10.1	10.08
Control	9.8	10.8	10.2	10.5	9.8	10.8	9.8	10.5	10.2	9.8	10.22
500ppm	4.5	3.4	3.3	3.7	4.2	3.4	3.3	4.5	4.2	3.7	3.82
Control	9.9	10.3	10.5	9.7	8.9	10.5	10.3	9.9	8.9	10.5	9.94
1000ppm	4.5	3.3	4.3	3.8	4.3	3.3	4.5	4.3	3.8	4.3	4.04
Control	9.8	10.1	9.1	9.5	9.3	9.1	9.8	10.1	9.3	9.5	9.56

Table 96: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *C. curvignathus* in choice assay after 72 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	15.3	15.8	14.7	15.1	14.1	15.8	15.3	14.7	14.1	15.1	15.00
Control	13.8	15.2	14.6	15.7	15.5	14.6	13.8	15.2	15.5	15.7	14.96
200ppm	15.3	14.5	15.9	15.1	14.8	14.5	15.3	15.9	14.8	15.1	15.12
Control	14.7	16.2	15.3	15.8	14.7	15.3	16.2	14.7	15.8	14.7	15.34
500ppm	6.8	5.1	5	5.5	6.3	5.1	6.8	6.3	5	5.5	5.74
Control	14.9	15.4	15.7	14.5	13.4	15.7	14.9	15.4	13.4	14.5	14.78
1000ppm	6.7	4.9	6.4	5.7	6.5	4.9	6.7	5.7	6.4	6.5	6.04
Control	14.7	15.1	13.7	14.2	13.9	13.7	14.7	15.1	13.9	14.2	14.32

Synthetic compound 1,8-cineol

Paired t-test						
	Mean	N	SD	t	df	p-value
100ppm	12.06	10	0.56	-13.44	9	0
Control	15.88	10	0.77			
200ppm	8.28	10	0.64	-20.57	9	0
Control	15.73	10	1.07			
500ppm	6.73	10	0.67	-28.65	9	0
Control	15.69	10	0.68			
1000ppm	6.84	10	0.64	-26.87	9	0
Control	15.59	10	0.68			

If  $p < 0.05$ , there is a significant difference between the two groups.



Table 97: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *M. carbonarius* in choice assay after 24 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	5.1	4.8	5.3	5	4.9	4.8	5.1	5.3	4.9	5	5.02
Control	5.3	4.9	5.1	4.8	4.6	5.1	4.9	5.3	4.6	4.8	4.94
200ppm	5.5	5.3	4.9	5	4.7	4.9	5.3	5.5	4.7	5	5.08
Control	4.6	4.3	4.4	4.5	5.2	4.3	4.6	4.4	5.2	4.5	4.6
500ppm	2.2	1.8	1.6	1.9	2	1.8	2.2	1.6	2	1.9	1.9
Control	4.9	4.6	4.7	4.8	5.2	4.7	4.6	4.9	4.8	5.2	4.84
1000ppm	2	1.9	1.7	2.1	1.8	1.9	2	1.7	1.8	2.1	1.9
Control	5.1	4.8	4.9	5.2	4.6	4.9	5.1	4.8	4.6	5.2	4.92

Table 98: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *M. carbonarius* in choice assay after 48 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	10.3	9.7	10.6	10.1	9.9	9.7	10.3	10.6	9.9	10.1	10.12
Control	10.6	9.9	5.2	9.5	9.1	5.2	10.6	9.9	9.1	9.5	8.86
200ppm	10.2	10.5	9.8	10.1	9.4	10.5	10.2	9.8	9.4	10.1	10
Control	9.2	10.1	9.7	10.5	10.3	9.7	10.1	9.2	10.3	10.5	9.96
500ppm	4.3	3.6	3.3	3.8	4.1	3.6	4.3	3.3	4.1	3.8	3.82
Control	10	9.5	9.7	9.8	10.5	9.7	10	9.5	10.5	9.8	9.9
1000ppm	4.1	3.9	3.2	2.9	3.7	3.2	3.9	4.1	2.9	3.7	3.56
Control	10.3	9.7	9.9	10.5	9.3	9.7	10.3	9.9	9.3	10.5	9.94

Table 99: Consumption of paper disc treated with synthetic compound of 1,8-cineol by *M. carbonarius* in choice assay after 72 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	15.3	14.5	15.9	15.1	14.8	15.1	14.5	15.9	15.3	15.1	15.15
Control	15.9	14.8	15.3	14.3	13.7	14.8	15.9	15.3	14.3	13.7	14.80
200ppm	15.3	15.8	14.7	15.1	14.1	14.7	15.3	15.8	14.1	15.1	15.00
Control	13.8	15.2	14.6	15.7	15.5	15.2	13.8	15.5	14.6	15.7	14.83
500ppm	6.5	5.4	4.9	5.7	6.1	5.4	6.5	5.4	4.9	5.7	5.65
Control	14.7	13.9	14.1	14.4	15.5	14.1	14.7	13.9	15.5	14.4	14.52
1000ppm	6.1	5.8	4.8	6	5.5	5.8	6.1	5.5	4.8	6	5.64
Control	15.4	14.5	14.8	15.7	13.9	14.8	15.4	14.5	13.9	15.7	14.86

Synthetic compound 1,8-cineol

Paired t-test						
	Mean	N	SD	t	df	p-value
100ppm	12.06	10	0.56	-13.44	9	0
Control	15.88	10	0.77			
200ppm	8.28	10	0.64	-20.57	9	0
Control	15.73	10	1.07			
500ppm	6.73	10	0.67	-28.65	9	0
Control	15.69	10	0.68			
1000ppm	6.84	10	0.64	-26.87	9	0
Control	15.59	10	0.68			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 100: Consumption of paper disc treated with synthetic compound of *farnesene* by *C. gestroi* in choice assay after 24 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	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
200ppm	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
500ppm	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
1000ppm	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

Table 101: Consumption of paper disc treated with synthetic compound of *farnesene* by *C. gestroi* in choice assay after 48 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	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
200ppm	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
500ppm	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
1000ppm	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

Table 102: Consumption of paper disc treated with synthetic compound of *farnesene* by *C. gestroi* in choice assay after 72 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	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	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	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	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

Synthetic compound *farnesene*

	Paired t-test					
	Mean	N	SD	T	df	p-value
100ppm	14.99	10	0.98	-9.04	9	0
Control	15.28	10	0.87			
200ppm	15.03	10	0.5	-26.65	9	0
Control	15.68	10	0.64			
500ppm	6.13	10	0.64	-34.78	9	0
Control	15.79	10	0.73			
1000ppm	6.29	10	0.52	-30.99	9	0
Control	15.79	10	0.73			

If  $p < 0.05$ , there is a significant difference

Table 103: Consumption of paper disc treated with synthetic compound of *farnesene* by *C. curvignathus* in choice assay after 24 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	5.2	5.1	5.3	4.9	5.5	5.5	4.9	5.1	5.2	5.3	5.20
Control	5.4	5.1	4.9	4.7	5.1	4.9	5.1	5.4	4.7	5.1	5.04
200ppm	5.1	4.7	4.5	4.8	4.7	4.7	5.1	4.8	4.5	4.7	4.76
Control	5.1	5.6	5	5.2	5.6	5.2	5	5.6	5.1	5.6	5.30
500ppm	2.9	1.9	1.7	2.4	2	1.7	1.9	2.9	2	2.4	2.18
Control	5.2	5.4	4.9	5.5	5.3	4.9	5.5	5.2	5.4	5.3	5.26
1000ppm	2.5	1.8	2.6	2.1	1.9	1.8	2.5	2.1	2.6	1.9	2.18
Control	5.7	4.9	5.3	5.4	5.2	4.9	5.4	5.2	5.7	5.3	5.30

Table 104: Consumption of paper disc treated with synthetic compound of *farnesene* by *C. curvignathus* in choice assay after 48 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	9.9	10.5	10.3	10.5	10.1	10.5	9.9	10.1	10.3	10.5	10.26
Control	10.7	10.1	9.8	10.3	9.5	9.8	10.1	10.7	9.5	10.3	10.08
200ppm	9.8	9.6	9.5	9.3	9.3	9.6	9.8	9.3	9.5	9.3	9.50
Control	10.1	11.1	10.7	10.8	10.2	10.7	10.1	11.1	10.2	10.8	10.58
500ppm	4	3.4	3.8	4.1	4.7	3.4	3.8	4	4.7	4.1	4.00
Control	10.4	10.6	10.7	10.8	11.1	11.1	10.7	10.8	10.4	10.6	10.72
1000ppm	4.3	3.7	4.1	3.9	4.9	3.7	4.1	4.3	4.9	3.9	4.18
Control	10.6	10.1	11.2	10.9	10.7	11.2	10.7	10.9	10.6	10.1	10.70

Table 105: Consumption of paper disc treated with synthetic compound of *farnesene* by *C. curvignathus* in choice assay after 72 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	15.5	15.7	14.8	16.4	15.2	16.4	14.8	15.2	15.5	15.7	15.52
Control	15.1	14.7	15.4	14.2	16.1	14.7	15.1	16.1	14.2	15.4	15.10
200ppm	15.6	14.1	14.4	14.2	14	14.2	15.6	14.1	14.4	14	14.46
Control	15.1	15.7	15.8	15.2	16.7	15.7	15.1	16.7	15.2	15.8	15.70
500ppm	5.9	5.1	5.7	6.2	7.1	5.1	5.7	5.9	7.1	6.2	6.00
Control	16.1	16.7	16.2	15.9	15.7	16.7	16.1	15.7	16.2	15.9	16.12
1000ppm	6.1	5.5	5.8	6.4	6.2	5.5	6.1	6.4	6.2	5.8	6.00
Control	16.1	16.7	16.2	15.9	15.7	16.7	16.1	15.7	16.2	15.9	16.12

Synthetic compound *farnesene*

	Paired t-test					
	Mean	N	SD	T	df	p-value
100ppm	15.52	10	0.98	-9.04	9	0
Control	15.10	10	0.87			
200ppm	14.46	10	0.5	-26.65	9	0
Control	15.70	10	0.64			
500ppm	6.00	10	0.64	-34.78	9	0
Control	16.12	10	0.73			
1000ppm	6.00	10	0.52	-30.99	9	0
Control	16.12	10	0.73			

If  $p < 0.05$ , there is a significant difference

Table 106: Consumption of paper disc treated with synthetic compound of *farnesene* by *M. carbonarius* in choice assay after 24 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	4.7	5.1	4.8	4.5	4.7	4.5	4.8	4.7	5.1	4.7	4.76
Control	5.1	5.2	4.9	5.2	5.3	5.2	5.1	5.3	5.2	4.9	5.14
200ppm	5.5	4.9	5.1	5.2	5.3	5.2	5.1	5.3	4.9	5.5	5.2
Control	4.9	5.1	5.4	4.7	5.1	5.4	5.1	4.9	4.7	5.1	5.04
500ppm	5.1	5	5.2	5.4	4.6	5.4	5.2	4.6	5.1	5	5.06
Control	5.2	5	5.6	5.1	5.6	5.6	5.1	5	5.6	5.2	5.3
1000ppm	2.1	2	2.3	2.2	2.4	2.3	2	2.2	2.1	2.4	2.2
Control	5.1	4.8	5.6	5.2	5	5.6	4.8	5	5.1	5.2	5.14

Table 107: Consumption of paper disc treated with synthetic compound of *farnesene* by *M. carbonarius* in choice assay after 48 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	9.6	9.8	9.3	9.5	9.3	9.3	9.8	9.6	9.3	9.5	9.5
Control	10.3	10.4	9.9	10.5	10.6	9.9	10.5	10.3	10.4	10.6	10.34
200ppm	10.5	9.9	10.1	10.3	10.5	10.1	10.5	9.9	10.5	10.3	10.26
Control	9.8	10.1	10.7	9.5	10.3	9.8	10.7	10.1	10.3	9.5	10.08
500ppm	10.3	9.9	10.5	10.7	10.1	10.5	10.3	9.9	10.1	10.7	10.3
Control	10.7	10.1	11.1	10.2	10.8	10.1	11.1	10.7	10.8	10.2	10.58
1000ppm	3.9	4.1	4.7	4.5	4.7	4.1	4.7	3.9	4.5	4.7	4.325
Control	10.3	9.7	11.2	10.5	9.9	11.2	10.3	9.7	9.9	10.5	10.35

Table 108: Consumption of paper disc treated with synthetic compound of *farnesene* by *M. carbonarius* in choice assay after 72 hours.

Conc.	Consumption of paper disc (mg)										Mean
	1	2	3	4	5	6	7	8	9	10	
100ppm	14.2	15.6	14.1	14.4	14	15.6	14.2	14.4	14	14.1	14.46
Control	15.4	15.5	14.8	15.7	15.9	14.8	15.4	15.5	15.9	15.7	15.46
200ppm	16.4	14.8	15.2	15.5	15.7	15.2	16.4	14.8	15.7	15.5	15.52
Control	14.7	15.1	16.1	14.2	15.4	15.1	14.7	15.4	16.1	14.2	15.1
500ppm	15.4	14.9	15.7	15.9	14.9	14.9	15.4	15.9	15.7	14.9	15.36
Control	15.7	15.1	16.7	15.2	15.8	16.7	15.1	15.7	15.8	15.2	15.7
1000ppm	5.9	6.2	7	6.7	7.1	6.2	5.9	7.1	7	6.7	6.58
Control	15.4	14.5	16.8	15.7	14.9	16.8	15.4	14.5	14.9	15.7	15.46

Synthetic compound *farnesene*

	Paired t-test					
	Mean	N	SD	T	df	p-value
100ppm	14.46	10	0.98	-9.04	9	0
Control	15.46	10	0.87			
200ppm	15.52	10	0.5	-26.65	9	0
Control	15.1	10	0.64			
500ppm	15.36	10	0.64	-34.78	9	0
Control	15.7	10	0.73			
1000ppm	6.58	10	0.52	-30.99	9	0
Control	15.46	10	0.73			

If  $p < 0.05$ , there is a significant difference



Table 124: Consumption of wood treated with synthetic compound of 1,8-cineol by *C. gestroi* in choice assay after 14 days.

Fractions	Consumption of wood (g)					Mean
	1	2	3	4	5	
500ppm	39	35	30	42	37	36.60
1000ppm	25	22	24	27	31	25.80
2000ppm	20	17	19	13	15	16.80
5000ppm	3	5	4	7	6	5.00
Control	43	40	38	46	44	42.20

Paired T-test for synthetic compound 1,8-cineol

	Paired t-test					
	Mean	N	SD	t	df	p-value
500ppm	36.60	5	4.51	6.89	9	0.0023
Control	42.20	5	3.19			
1000ppm	25.80	5	3.42	13.57	9	0.0001
Control	42.20	5	3.19			
2000ppm	16.80	5	2.86	10.23	9	0.0005
Control	42.20	5	3.19			
5000ppm	5.00	5	1.58	32.14	9	0.0000
Control	42.20	5	3.19			

If  $p < 0.05$ , there is a significant difference between the two groups.

Table 125: Consumption of wood treated with synthetic compound of *farnesene* by *C. gestroi* in choice assay after 14 days.

Fractions	Consumption of paper disc (g)					Mean
	1	2	3	4	5	
500ppm	41	38	44	46	40	41.80
1000ppm	32	35	33	39	37	35.20
2000ppm	28	22	25	21	23	23.80
5000ppm	12	16	14	19	17	15.60
Control	37	42	39	45	43	41.20

Paired T-test for synthetic compound *farnesene*

	Paired t-test					
	Mean	N	SD	T	df	p-value
500ppm	41.80	10	3.19	0.33	9	0.760
Control	41.20	10	3.18		9	
1000ppm	35.20	10	2.86	18.97	9	0.000
Control	41.20	10	3.18		9	
2000ppm	23.80	10	2.77	6.60	9	0.030
Control	41.20	10	3.18		9	
5000ppm	15.60	10	2.70	56.67	9	0.000
Control	41.20	10	3.18		9	

If  $p < 0.05$ , there is a significant difference