

Appendix 1b - Analysis result of groundnut samples collected 5 - 10 days after crop digging

sample No.	Insect damage %	Broken %	Mature kernels%	Immature kernels%	C/lounce	Shrinkage %	Moisture%	Total aflatoxin in PPb
1	7.15	0	50.8	19.05	78	0.96	5.4	0.18
2	1.86	1.23	64.18	10.83	70	1.59	4.6	2.8
3	0.58	0	49.35	22.06	78	4.94	3.1	0.54
4	3.15	0	57.16	10.9	72	1.72	5	0.25
5	4	0	53.12	15.8	81	2.45	2.8	0.22
6	2.55	0	51.87	18.11	78	2.85	3.4	0.48
7	5.21	0	49.5	17.97	75	3.1	3.8	0.22
8	2.87	0	57.11	16.26	79	4.3	1.3	0.12
9	2.46	0	53.4	14.39	81	6.2	2.9	0.24
10	3.9	0	56.1	15.22	73	3.3	3.1	0.2

Appendix 1c - Analysis result of groundnut samples collected after complete drying

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	9.9	2.8	49.95	15.04	83	5.81	3.04	410
2	6.04	12.543	58.5	12.21	84	4.69	3.08	0.8
3	2.8	0.37	49.86	31.38	87	9.22	3.9	40
4	5.73	0.33	62.5	10.6	85	2.96	1.86	2.5
5	6.19	8.1	54.47	15.14	88	7.2	2.19	5.2
6	1.36	0.17	38.01	32.73	81	8.21	3.68	11
7	4.51	1.05	38.7	24.11	81	3.92	3.35	1.1
8	1.9	3.127	47.04	25.25	91	3.13	3.92	0.71
9	7.6	0.42	42.5	30.4	86	4.79	3.05	1.1
10	1.22	0.35	34.33	34.32	82	9.52	3.3	2.6
11	4.53	4.00	37.33	33.3	80	3.88	1.66	2.1
12	3.75	1.4	32.93	34.32	80	4.83	3.81	2.29

Appendix 1d - Analysis result of groundnut samples collected from farmers stores

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	2.37	6.29	48.07	23.21	92	2.95	3.13	9
2	5.9	5.08	45.05	24.1	88	5.07	4.98	700
3	1.92	11.29	50.63	20.61	93	3.84	2.87	2
4	2.67	6.37	51.1	21.57	79	3.09	3.11	41
5	7.62	3.49	42.6	21.05	93	5.42	2.2	49
6	5.68	5.03	54.13	13.19	75	1.75	3.4	1
7	2.95	15	42.07	28.58	95	3.77	3.16	15
8	1.35	8.26	46.43	24.99	88	2.28	2.99	1
9	1.08	2.13	41.33	30.17	76	1.34	2.51	2
10	2.2	10.24	29.63	41.23	90	6.66	2.77	7
11	4.72	6.53	45.04	22.63	89	1.89	2.84	6
12	2.26	4.9	46.82	24.3	89	3.94	2.91	6
13	6.3	5.6	45.62	27.75	76	3.6	3.14	67
14	2.4	0.72	44.68	28.27	83	3.4	3.02	1
15	2.5	1.06	27.1	45.4	83	3.97	3.25	2
16	5.2	16	50.3	21.5	90	3.27	3.05	21
17	5	13	38.1	34.2	86	0.74	1.79	3
18	3.1	1.35	47.4	23.7	88	3.89	6.8	380
19	0.06	10.07	50	24.9	75	1.3	2.55	0
20	1.39	20.7	52.34	21.59	75	0.029	1.4	1
21	0.3	3.86	53.6	21.3	81	1.15	2.58	2
22	0.81	1.93	46.98	26.75	81	1.3	3.96	5
23	2.73	8.46	50	22.14	73	0.84	3.61	4
24	0	14.2	50.5	30.6	79	10	3.86	10
25	0	5.03	54.09	20.1	78	1.42	2.72	4
26	0.65	17.65	54.6	19.7	79	2.09	2.61	2
27	5.22	2.84	54.97	19.14	78	2.1	3.01	2
28	3.57	0.79	44.5	20.13	77	2.3	2.93	2
29	3.4	0.95	45.9	21.52	79	2.6	2.82	2
30	6.3	1.81	43.5	20.45	78	3.1	3.9	10

Appendix 1e - Analysis result of groundnut samples collected from auction market

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	3.6	3.87	46.68	23.54	87	5.83	3.11	0
2	0.35	0.35	50.7	20.5	94	5.5	3.12	21
3	5.8	4.48	48.67	21.88	95	2.5	3.11	420
4	6.96	5.64	51.07	18.8	89	2.48	2.31	0
5	6	3.5	56.85	14.06	89	2.7	2.79	1
6	4.3	7.47	52.38	17.19	86	1.9	3.2	4
7	9.6	7.02	46.29	23.82	89	6.09	3.05	120
8	3.55	6.7	53.07	16.1	80	2.1	3.18	0
9	7.7	5.7	40.9	23.54	87	4.57	3.7	63
10	7.2	7.22	46.19	26.75	89	4.03	2.6	2
11	4.2	4.9	42.2	20.37	91	2.8	2.87	0
12	7.48	8.1	34.39	33.88	98	2.6	3.05	2
13	3.35	4.05	48.57	22.35	86	3.51	3.04	190
14	8.54	5.47	49.1	20.26	84	5.65	3.07	200
15	12.38	6.46	41.65	25.24	87	2.79	3.27	17
16	5.6	5.02	37.16	36.57	80	1.56	3.46	3
17	6.06	5.5	41.64	29.75	88	2.59	3.06	370
18	10.66	4.9	38.2	34.8	90	2.06	2.79	55
19	7.5	6.19	34.83	36.08	80	1.72	1.27	2
20	4.2	5.69	49.81	21.64	81	1.93	3.4	10
21	5.24	6.37	41.92	29.9	88	1.3	3.42	59
22	9.34	9.32	50.5	19.25	93	3.26	2.51	8
23	7.4	7.3	36.35	34.11	89	6.25	2.53	7
24	8.86	7.3	41.17	28.3	90	2.34	1.3	1
25	11.12	6.82	36.6	34.95	85	3.3	2.9	0
26	0.57	2.69	39.5	32.11	88	1.6	3.5	2
27	5.1	10.29	36	33.8	95	3.02	2.46	4
28	3.7	8.2	42.3	38.4	77	0.08	2.73	4
29	10.1	5.96	38.4	32.72	90	1.5	2.95	10
30	7.15	9.12	37.44	32.1	88	2	3.9	1
31	10.85	8.98	42.5	29.1	83	0.93	0.93	3

Appendix 1f - Analysis result of groundnut samples collected from oil mills stores

sample No.	Insect damage %	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage %	Moisture%
1	5.9	3.5	38.98	30.5	92	3.38	2.98
2	5.4	7.9	50.24	23	78	3.1	3.2
3	4.19	16.81	40.4	30.5	82	2.59	3.34
4	7.67	10.21	42.69	26.3	84	4.03	3.34
5	1.93	8.86	51.03	22.1	88	1.73	1.44
6	2.86	13.98	50.33	22.7	81	2.13	4.02
7	4.4	24.45	44.7	26.5	79	1.67	5.2
8	2.53	3.87	57.59	18.3	74	1.7	3.21
9	6.06	18.09	44.44	29.1	92	2.53	4.9
10	4.5	18.2	-	-	99	3.66	3.39
11	3.8	11.21	-	-	100	1.5	2.54
12	4.4	49.6	-	-	90	1.4	2.23
13	0.85	15.7	-	-	100	3.37	2.11
14	0.43	15.7	-	-	100	4.3	2.42
15	4.53	11.3	-	-	99	3.5	1.22
16	2.13	36.13	-	-	98	3.13	4.14
17	0.53	40.48	-	-	77	3.34	3.68
18	0.73	30.14	-	-	104	4.46	2.95
19	3.6	39.75	-	-	84	3.64	3.4
20	1.2	46.24	-	-	86	2.6	3.88
21	3.46	3.86	45.2	30.9	81	0.83	3.04
22	3.26	3.9	35.1	39.7	90	0.69	3.7
23	4.06	14.38	42.2	31.2	80	1.54	3.14
24	3.06	6.8	34.85	39.5	85	1.73	3.3

Appendix 1g - Analysis result of groundnut samples collected from merchant stores

sample No.	Insect damage %	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage %	Moisture%	Total aflatoxin in PPb
1	3.13	5.46	28	43.2	80	0.69	3.28	1
2	1.3	5.46	42.54	29.7	86	5.53	3.32	2
3	3.55	19.43	46.98	21	79	1.73	3.46	1
4	2.7	5.59	11.22	59.4	100	6.07	2.82	1
5	4.79	7.58	57.51	16.4	74	1.13	3.73	5
6	1.27	9.79	36.78	38.1	92	2.4	3.49	2
7	3.2	2.6	49.65	24.4	85	1.15	3.64	2
8	4.6	4.53	48.1	26.9	77	1.8	2.99	4
9	1.53	11.53	36.04	36.6	85	0.8	3.57	2
10	1.05	16.5	-	-	82	2.59	3.1	3
11	6.1	11.3	-	-	77	3.76	3.76	19
12	2.13	0.27	-	-	75	3.91	3.52	2
13	1.4	48.84	-	-	87	1.53	3.31	3
14	1.13	12.3	-	-	70	2.2	3.79	1
15	3.87	25.73	-	-	90	5.22	3.91	3
16	5.06	0.36	-	-	79	1.51	3.62	3
17	1.73	0.4	-	-	78	1.8	3.41	2
18	5.4	0.27	-	-	77	0.95	3.52	1
19	1.2	0.13	-	-	74	1.71	3.74	1
20	0.6	33.06	-	-	89	1.53	3.9	39
21	1.1	49.02	-	-	88	2.53	3.63	3
22	1.07	38.85	-	-	81	1.66	3.03	7
23	5.13	70.95	-	-	104	1.67	4.13	2
24	1.33	8.12	-	-	103	4.39	3.02	6

Appendix 1h - Analysis result of grandnut samples collected from consignments prepared to export

sample No.	Insect damage%	Broken%	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	2.9	1.4	-	-	77	0	2.82	3
2	2.5	1.08			81	0	3.48	10
3	1.69	0.5	-	-	77	0	3.71	13
4	1.4	1.29	-	-	75	0	3.03	2
5	2.93	0.83	-	-	76	0	3.34	3
6	1.8	0	-	-	75	0	3.21	7
7	0	0	-	-	75	0	3.51	2
8	4.48	2.9	-	-	79	0	3.42	1

Appendix 1a - Analysis result of highly humid groundnut samples

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	1.25	0	63.9	7.18	59	0.63	28.6	280
2	9.92	1.23	57.19	15.46	56	1.99	7.35	38
3	7.93	0	53.37	22.21	64	1.72	23.9	110
4	1.68	2.3	62.88	15.33	67	2.3	11	7.2
5	1.83	0	66.77	10.37	57	1.58	22	0.14
6	0.79	0	71.61	5.95	59	3.58	3.8	1.5
7	1.35	0	69.76	5.43	61	1.78	17.4	0.37
8	6.09	0	56.13	15.29	70	1.08	22	71
9	7.23	0	39.22	22.93	81	1.52	16.06	270
10	0.41	0	58.00	12.15	62	0.64	4.06	4.2

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Appendix 1d - Analysis result of groundnut samples collected from farmers stores

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels %	C/ounce	Shrinkage%	Moisture %	Total aflatoxin in PPb	Type of store
1	2.37	6.29	48.07	23.21	92	2.95	3.13	9	Dry Grass house
2	5.9	5.08	45.05	24.1	88	5.07	4.98	700	Mud Building
3	1.92	11.29	50.63	20.61	93	3.84	2.87	2	Brick House
4	2.67	6.37	51.1	21.57	79	3.09	3.11	41	Mud Building
5	7.62	3.49	42.6	21.05	93	5.42	2.2	49	Mud Building

6	5.68	5.03	54.13	13.19	75	1.75	3.4	1	Dry Grass house
7	2.95	15	42.07	28.58	95	3.77	3.16	15	Mud Building
8	1.35	8.26	46.43	24.99	88	2.28	2.99	1	Brick House
9	1.08	2.13	41.33	30.17	76	1.34	2.51	2	Brick House
10	2.2	10.24	29.63	41.23	90	6.66	2.77	7	Mud Building
11	4.72	6.53	45.04	22.63	89	1.89	2.84	6	Mud Building
12	2.26	4.9	46.82	24.3	89	3.94	2.91	6	Dry Grass house
13	6.3	5.6	45.62	27.75	76	3.6	3.14	67	Mud Building
14	2.4	0.72	44.68	28.27	83	3.4	3.02	1	Brick House
15	2.5	1.06	27.1	45.4	83	3.97	3.25	2	Dry Grass house
16	5.2	16	50.3	21.5	90	3.27	3.05	21	Brick House
17	5	13	38.1	34.2	86	0.74	1.79	3	Dry Grass house
18	3.1	1.35	47.4	23.7	88	3.89	6.8	380	Mud Building
19	0.06	10.07	50	24.9	75	1.3	2.55	0	Dry Grass house
20	1.39	20.7	52.34	21.59	75	0.029	1.4	1	Brick House
21	0.3	3.86	53.6	21.3	81	1.15	2.58	2	Dry Grass house
22	0.81	1.93	46.98	26.75	81	1.3	3.96	5	Mud Building
23	2.73	8.46	50	22.14	73	0.84	3.61	4	Brick House
24	0	14.2	50.5	30.6	79	10	3.86	10	Mud Building
25	0	5.03	54.09	20.1	78	1.42	2.72	4	Dry Grass house
26	0.65	17.65	54.6	19.7	79	2.09	2.61	2	Brick House
27	5.22	2.84	54.97	19.14	78	2.1	3.01	2	Brick House
28	3.57	0.79	44.5	20.13	77	2.3	2.93	2	Brick House
29	3.4	0.95	45.9	21.52	79	2.6	2.82	2	Dry Grass house
30	6.3	1.81	43.5	20.45	78	3.1	3.9	10	Mud Building

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No of sample						
1		3.46	1.19	3.46	3.86	57.93
2		3.26	0.93	3.26	3.9	45.75
3		4.06	0.31	4.06	14.38	54.2
4		3.06	0.82	3.06	6.8	44.83
5		3.13	0.93	3.13	5.46	37.05
6		1.3	1.86	1.3	5.46	56.22
7		3.55	2.53	3.55	19.43	61.9
8		2.7	0.28	2.7	5.59	14.58
9		4.79	0.33	4.79	7.58	74.6
10		1.27	0.5	1.27	9.79	47.9
11		3.2	0.79	3.2	2.6	63.65
12		4.6	0.02	4.6	4.53	61.98
13		1.53	1.67	1.53	11.53	48.34
14		1.05	16.33	1.05	16.5	
15		6.1	4.2	6.1		
16		213	11.1	21.3	0.27	
17		1.4	12.77	1.4	48.84	
18		1.13	3.1	1.13		
19		3.87	2.8	3.87	25.73	
20		5.06	2.6	5.06	0.36	
21		1.73	0.13	1.73	0.4	
22		5.4	0.14	5.4	0.2.7	
23		1.2	1.2	1.2	0.13	
24		0.6	9.58	0.6	33.06	
25		1.1	6.14	1.1	49.02	
26		1.07	3.06	1.07	38.85	
27		5.13	10.33	5.13	70.95	
28		1.33	0.87	1.33	8.12	
29		1.33	3.4	1.33	7.4	53.36

45.2	40.58	30.87	81	0.83	3.04		3
35.1	53.88	39.69	90	0.69	3.7		1
42.2	45.2	31.16	80	1.54	3.14		420
34.85	54.03	39.5	85	1.73	3.3		2
28	61.55	43.18	80	0.69	3.28		1
42.54	41.66	29.66	86	5.53	3.32		2
46.98	35.5	21.01	79	1.73	3.46		1
11.22	84.7	59.35	100	6.07	2.82		1
57.51	24.34	16.42	74	1.13	3.73		5
36.78	51.57	38.11	92	2.4	3.49		2
49.65	35.49	24.43	85	1.15	3.64		2
48.1	37.95	26.85	77	1.8	2.99		4
36.04	49.65	36.58	85	0.8	3.57		2
			82	2.59	3.1		3
			77	3.76	3.76		19
			75	3.91	3.52		2
			87	1.53	3.31		3
			70	2.2	3.79		1
			90	5.22	3.91		3
			79	1.51	3.62		3
			78	1.8	3.41		2
			77	0.95	3.52		1
			74	1.71	3.74		1
			89	1.53	3.9		39
			88	2.53	3.63		3
			81	1.66	3.03		7
			104	1.67	4.13		2
			103	4.39	3.02		6
40.27	43.07	28.73	76	2.8	3.56		3

Appendix 1a - Analysis result of highly humid groundnut samples

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	1.25	0	63.9	7.18	59	0.63	28.6	280
2	9.92	1.23	57.19	15.46	56	1.99	7.35	38
3	7.93	0	53.37	22.21	64	1.72	23.9	110
4	1.68	2.3	62.88	15.33	67	2.3	11	7.2
5	1.83	0	66.77	10.37	57	1.58	22	0.14
6	0.79	0	71.61	5.95	59	3.58	3.8	1.5
7	1.35	0	69.76	5.43	61	1.78	17.4	0.37
8	6.09	0	56.13	15.29	70	1.08	22	71
9	7.23	0	39.22	22.93	81	1.52	16.06	270
10	0.41	0	58.00	12.15	62	0.64	4.06	4.2

Appendix 1b - Analysis result of groundnut samples collected 5 - 10 days after crop digging

sample No.	Insect damage %	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	7.15	0	50.8	19.05	78	0.96	5.4	0.18
2	1.86	1.23	64.18	10.83	70	1.59	4.6	2.8
3	0.58	0	49.35	22.06	78	4.94	3.1	0.54
4	3.15	0	57.16	10.9	72	1.72	5	0.25
5	4	0	53.12	15.8	81	2.45	2.8	0.22
6	2.55	0	51.87	18.11	78	2.85	3.4	0.48
7	5.21	0	49.5	17.97	75	3.1	3.8	0.22
8	2.87	0	57.11	16.26	79	4.3	1.3	0.12
9	2.46	0	53.4	14.39	81	6.2	2.9	0.24
10	3.9	0	56.1	15.22	73	3.3	3.1	0.2





Appendix 1c - Analysis result of groundnut samples collected after complete drying

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	9.9	2.8	49.95	15.04	83	5.81	3.04	410
2	6.04	12.543	58.5	12.21	84	4.69	3.08	0.8
3	2.8	0.37	49.86	31.38	87	9.22	3.9	40
4	5.73	0.33	62.5	10.6	85	2.96	1.86	2.5
5	6.19	8.1	54.47	15.14	88	7.2	2.19	5.2
6	1.36	0.17	38.01	32.73	81	8.21	3.68	11
7	4.51	1.05	38.7	24.11	81	3.92	3.35	1.1
8	1.9	3.127	47.04	25.25	91	3.13	3.92	0.71
9	7.6	0.42	42.5	30.4	86	4.79	3.05	1.1
10	1.22	0.35	34.33	34.32	82	9.52	3.3	2.6
11	4.53	4.00	37.33	33.3	80	3.88	1.66	2.1
12	3.75	1.4	32.93	34.32	80	4.83	3.81	2.29

Appendix 1d - Analysis result of groundnut samples collected from farmers stores

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/lounce	Shrinkage%	Moisture%	Total aflatoxin in PPb	Type of store
1	2.37	6.29	48.07	23.21	92	2.95	3.13	9	Dry Grass house
2	5.9	5.08	45.05	24.1	88	5.07	4.98	700	Mud Building
3	1.92	11.29	50.63	20.61	93	3.84	2.87	2	Brick House
4	2.67	6.37	51.1	21.57	79	3.09	3.11	41	Mud Building
5	7.62	3.49	42.6	21.05	93	5.42	2.2	49	Mud Building
6	5.68	5.03	54.13	13.19	75	1.75	3.4	1	Dry Grass house
7	2.95	15	42.07	28.58	95	3.77	3.16	15	Mud Building
8	1.35	8.26	46.43	24.99	88	2.28	2.99	1	Brick House
9	1.08	2.13	41.33	30.17	76	1.34	2.51	2	Brick House
10	2.2	10.24	29.63	41.23	90	6.66	2.77	7	Mud Building
11	4.72	6.53	45.04	22.63	89	1.89	2.84	6	Mud Building
12	2.26	4.9	46.82	24.3	89	3.94	2.91	6	Dry Grass house
13	6.3	5.6	45.62	27.75	76	3.6	3.14	67	Mud Building
14	2.4	0.72	44.68	28.27	83	3.4	3.02	1	Brick House
15	2.5	1.06	27.1	45.4	83	3.97	3.25	2	Dry Grass house
16	5.2	16	50.3	21.5	90	3.27	3.05	21	Brick House
17	5	13	38.1	34.2	86	0.74	1.79	3	Dry Grass house
18	3.1	1.35	47.4	23.7	88	3.89	6.8	380	Mud Building
19	0.06	10.07	50	24.9	75	1.3	2.55	0	Dry Grass house
20	1.39	20.7	52.34	21.59	75	0.029	1.4	1	Brick House
21	0.3	3.86	53.6	21.3	81	1.15	2.58	2	Dry Grass house
22	0.81	1.93	46.98	26.75	81	1.3	3.96	5	Mud Building
23	2.73	8.46	50	22.14	73	0.84	3.61	4	Brick House
24	0	14.2	50.5	30.6	79	10	3.86	10	Mud Building
25	0	5.03	54.09	20.1	78	1.42	2.72	4	Dry Grass house
26	0.65	17.65	54.6	19.7	79	2.09	2.61	2	Brick House
27	5.22	2.84	54.97	19.14	78	2.1	3.01	2	Brick House
28	3.57	0.79	44.5	20.13	77	2.3	2.93	2	Brick House
29	3.4	0.95	45.9	21.52	79	2.6	2.82	2	Dry Grass house
30	6.3	1.81	43.5	20.45	78	3.1	3.9	10	Mud Building

Appendix 1e - Analysis result of groundnut samples collected from auction market

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/lounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	3.6	3.87	46.68	23.54	87	5.83	3.11	0
2	0.35	0.35	50.7	20.5	94	5.5	3.12	21
3	5.8	4.48	48.67	21.88	95	2.5	3.11	420
4	6.96	5.64	51.07	18.8	89	2.48	2.31	0
5	6	3.5	56.85	14.06	89	2.7	2.79	1
6	4.3	7.47	52.38	17.19	86	1.9	3.2	4
7	9.6	7.02	46.29	23.82	89	6.09	3.05	120
8	3.55	6.7	53.07	16.1	80	2.1	3.18	0
9	7.7	5.7	40.9	23.54	87	4.57	3.7	63
10	7.2	7.22	46.19	26.75	89	4.03	2.6	2
11	4.2	4.9	42.2	20.37	91	2.8	2.87	0
12	7.48	8.1	34.39	33.88	98	2.6	3.05	2
13	3.35	4.05	48.57	22.35	86	3.51	3.04	190
14	8.54	5.47	49.1	20.26	84	5.65	3.07	200
15	12.38	6.46	41.65	25.24	87	2.79	3.27	17
16	5.6	5.02	37.16	36.57	80	1.56	3.46	3
17	6.06	5.5	41.64	29.75	88	2.59	3.06	370
18	10.66	4.9	38.2	34.8	90	2.06	2.79	55
19	7.5	6.19	34.83	36.08	80	1.72	1.27	2
20	4.2	5.69	49.81	21.64	81	1.93	3.4	10
21	5.24	6.37	41.92	29.9	88	1.3	3.42	59
22	9.34	9.32	50.5	19.25	93	3.26	2.51	8
23	7.4	7.3	36.35	34.11	89	6.25	2.53	7
24	8.86	7.3	41.17	28.3	90	2.34	1.3	1
25	11.12	6.82	36.6	34.95	85	3.3	2.9	0
26	0.57	2.69	39.5	32.11	88	1.6	3.5	2
27	5.1	10.29	36	33.8	95	3.02	2.46	4
28	3.7	8.2	42.3	38.4	77	0.08	2.73	4
29	10.1	5.96	38.4	32.72	90	1.5	2.95	10
30	7.15	9.12	37.44	32.1	88	2	3.9	1
31	10.85	8.98	42.5	29.1	83	0.93	0.93	3

Appendix 1f - Analysis result of groundnut samples collected from oil mills stores

sample No.	Insect damage %	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb	Source
1	5.9	3.5	38.98	30.5	92	3.38	2.98	250	oil mill store
2	5.4	7.9	50.24	23	78	3.1	3.2	1	oil mill store
3	4.19	16.81	40.4	30.5	82	2.59	3.34	2	oil mill store
4	7.67	10.21	42.69	26.3	84	4.03	3.34	2	oil mill store
5	1.93	8.86	51.03	22.1	88	1.73	1.44	10	oil mill store
6	2.86	13.98	50.33	22.7	81	2.13	4.02	4	oil mill store
7	4.4	24.45	44.7	26.5	79	1.67	5.2	280	oil mill store
8	2.53	3.87	57.59	18.3	74	1.7	3.21	1	oil mill store
9	6.06	18.09	44.44	29.1	92	2.53	4.9	43	oil mill store
10	4.5	18.2	-	-	99	3.66	3.39	10	oil mill store
11	3.8	11.21	-	-	100	1.5	2.54	4	oil mill store
12	4.4	49.6	-	-	90	1.4	2.23	3	oil mill store
13	0.85	15.7	-	-	100	3.37	2.11	120	oil mill store
14	0.43	15.7	-	-	100	4.3	2.42	4	oil mill store
15	4.53	11.3	-	-	99	3.5	1.22	22	oil mill store
16	2.13	36.13	-	-	98	3.13	4.14	630	oil mill store
17	0.53	40.48	-	-	77	3.34	3.68	3	oil mill store
18	0.73	30.14	-	-	104	4.46	2.95	3	oil mill store
19	3.6	39.75	-	-	84	3.64	3.4	2	oil mill store
20	1.2	46.24	-	-	86	2.6	3.88	6	oil mill store
21	3.46	3.86	45.2	30.9	81	0.83	3.04	3	oil mill store
22	3.26	3.9	35.1	39.7	90	0.69	3.7	1	oil mill store
23	4.06	14.38	42.2	31.2	80	1.54	3.14	420	oil mill store
24	3.06	6.8	34.85	39.5	85	1.73	3.3	2	oil mill store

Appendix 1g - Analysis result of groundnut samples collected from merchant stores

sample No.	Insect damage %	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb	Source
1	3.13	5.46	28	43.2	80	0.69	3.28	1	merchant store
2	1.3	5.46	42.54	29.7	86	5.53	3.32	2	merchant store
3	3.55	19.43	46.98	21	79	1.73	3.46	1	merchant store
4	2.7	5.59	11.22	59.4	100	6.07	2.82	1	merchant store
5	4.79	7.58	57.51	16.4	74	1.13	3.73	5	merchant store
6	1.27	9.79	36.78	38.1	92	2.4	3.49	2	merchant store
7	3.2	2.6	49.65	24.4	85	1.15	3.64	2	merchant store
8	4.6	4.53	48.1	26.9	77	1.8	2.99	4	merchant store
9	1.53	11.53	36.04	36.6	85	0.8	3.57	2	merchant store
10	1.05	16.5	-	-	82	2.59	3.1	3	merchant store
11	6.1	11.3	-	-	77	3.76	3.76	19	merchant store
12	2.13	0.27	-	-	75	3.91	3.52	2	merchant store
13	1.4	48.84	-	-	87	1.53	3.31	3	merchant store
14	1.13	12.3	-	-	70	2.2	3.79	1	merchant store
15	3.87	25.73	-	-	90	5.22	3.91	3	merchant store
16	5.06	0.36	-	-	79	1.51	3.62	3	merchant store
17	1.73	0.4	-	-	78	1.8	3.41	2	merchant store
18	5.4	0.27	-	-	77	0.95	3.52	1	merchant store
19	1.2	0.13	-	-	74	1.71	3.74	1	merchant store
20	0.6	33.06	-	-	89	1.53	3.9	39	merchant store
21	1.1	49.02	-	-	88	2.53	3.63	3	merchant store
22	1.07	38.85	-	-	81	1.66	3.03	7	merchant store
23	5.13	70.95	-	-	104	1.67	4.13	2	merchant store
24	1.33	8.12	-	-	103	4.39	3.02	6	merchant store

Appendix 1h - Analysis result of grandnut samples collected from consignments prepared to export

sample No.	Insect damage%	Broken%	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	2.9	1.4	-	-	77	0	2.82	3
2	2.5	1.08	-	-	81	0	3.48	10
3	1.69	0.5	-	-	77	0	3.71	13
4	1.4	1.29	-	-	75	0	3.03	2
5	2.93	0.83	-	-	76	0	3.34	3
6	1.8	0	-	-	75	0	3.21	7
7	0	0	-	-	75	0	3.51	2
8	4.48	2.9	-	-	79	0	3.42	1

Appendix 1a - Analysis result of highly humid groundnut samples

sample No.	Insect damage%	Broken %	Mature kernels%	Immature kernels%	C/ounce	Shrinkage%	Moisture%	Total aflatoxin in PPb
1	1.25	0	63.9	7.18	59	0.63	28.6	280
2	9.92	1.23	57.19	15.46	56	1.99	7.35	38
3	7.93	0	53.37	22.21	64	1.72	23.9	110
4	1.68	2.3	62.88	15.33	67	2.3	11	7.2
5	1.83	0	66.77	10.37	57	1.58	22	0.14
6	0.79	0	71.61	5.95	59	3.58	3.8	1.5
7	1.35	0	69.76	5.43	61	1.78	17.4	0.37
8	6.09	0	56.13	15.29	70	1.08	22	71
9	7.23	0	39.22	22.93	81	1.52	16.06	270
10	0.41	0	58.00	12.15	62	0.64	4.06	4.2

#REF!

