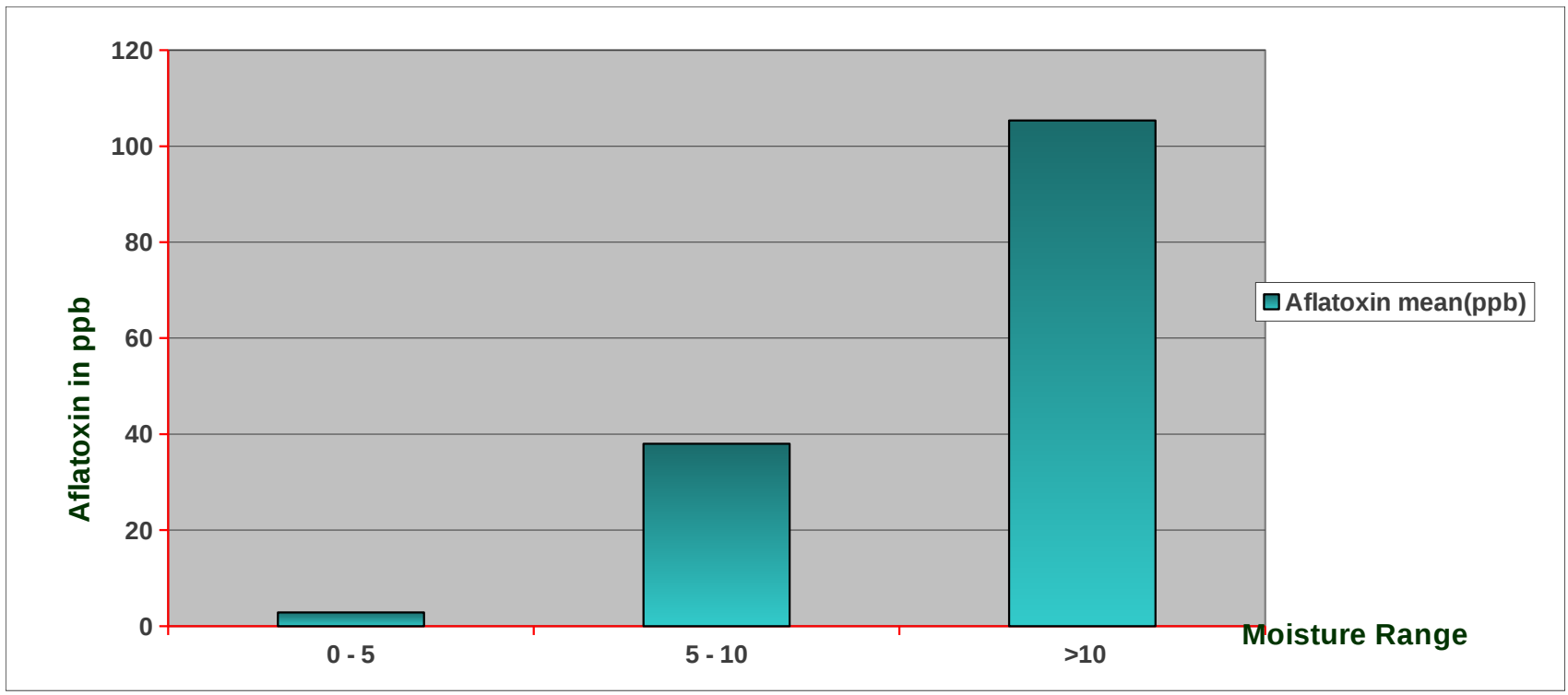


Table(5-1) Mean aflatoxin according to moisture ranges

Moisure Range	0 - 5	5 - 10	>10
Aflatoxin mean(ppb)	2.85	38	105.33

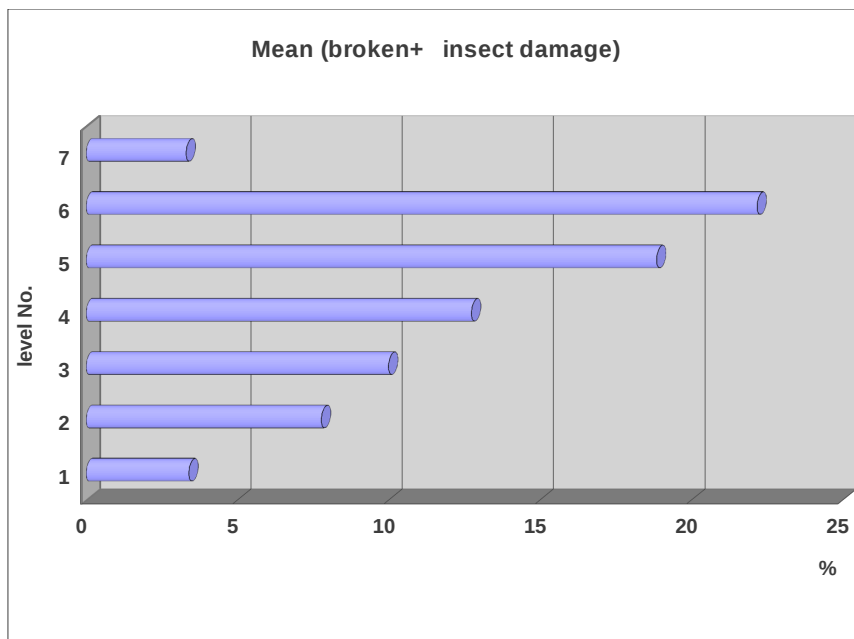
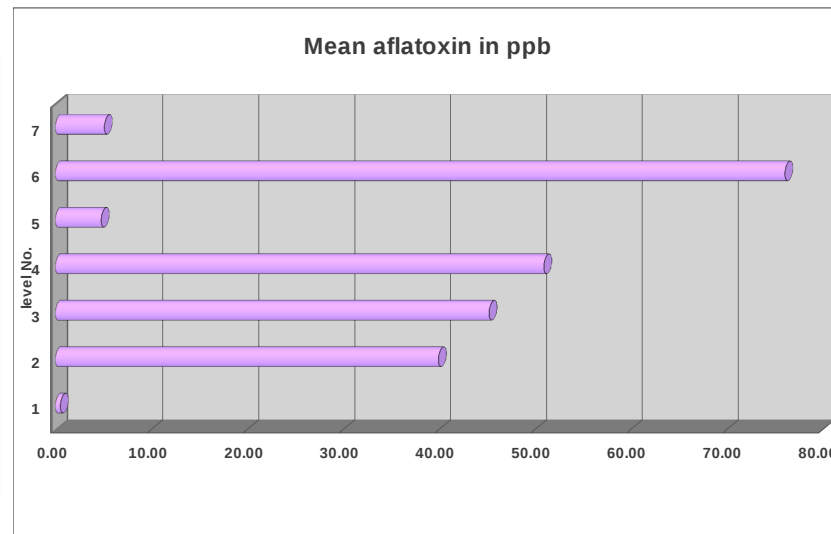
Figure (5-1) Shows aflatoxin levels in different moisture ranges



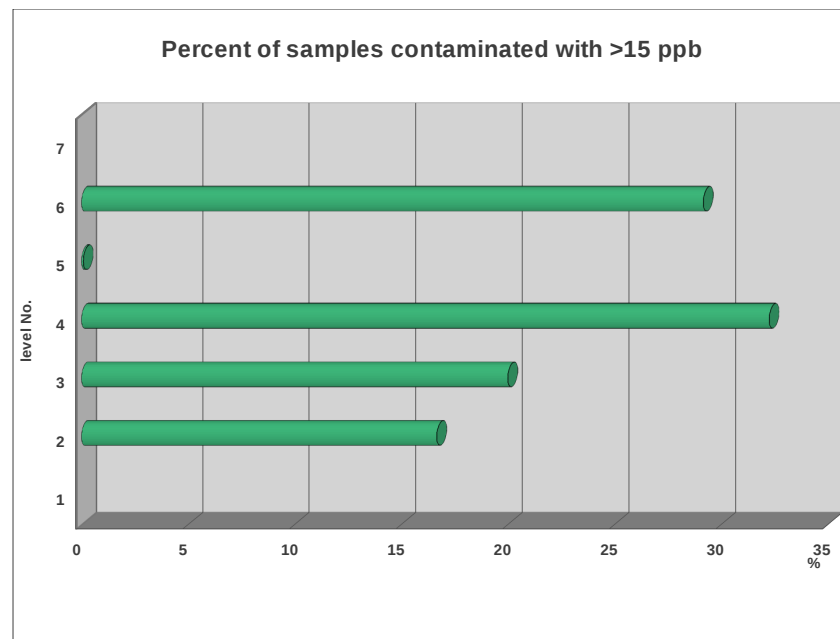
Table(5-6)Mean (broken+insect damage),mean aflatoxin and percent of samples contaminated with more than 15 ppb according to different levels

No.	Level	Mean (broken+insect)	Mean Aflatoxin in ppb	Percentage of samples contaminated with > 15ppb
1	5 - 10 days after digging	3.40	0.53	0.00
2	After complete dryins	7.78	39.95	16.67
3	Farmer's store	10	45.23	20
4	Auction market	12.74	50.94	32.26
5	Merchant stores	18.86	4.79	0.09
6	Oil mills stores	22.18	76.08	29.17
7	Export	3.31	5.12	0

Figure(5-6a)Mean aflatoxin according to different levels



Figure(5-6b)Mean (broken+insect damage) according to different levels



Figure(5-6c) Percent of samples contaminated with > 15 ppb at different levels

Table (5-7) Percent of samples contaminated with aflatoxin within the ranges 0-10,10-20,20-30 ppb at different crop levels

contamination range in ppb \ level	0 - 10	10 - 20	20 - 30
5 - 10 days after digging	100.00	0.00	0.00
After complete dryins	75.00	8.34	0.00
Farmer's store	76.67	10.00	3.34
Auction market	67.75	9.68	3.23
Merchant stores	91.67	4.17	0.00
Oil mills stores	70.84	8.34	4.17
Export	87.50	25.00	0.00
Highly lumid	50.00	0.00	0.00

Figure (5-7a) Percent of samples contaminated within the range (0-10 ppb) at different levels

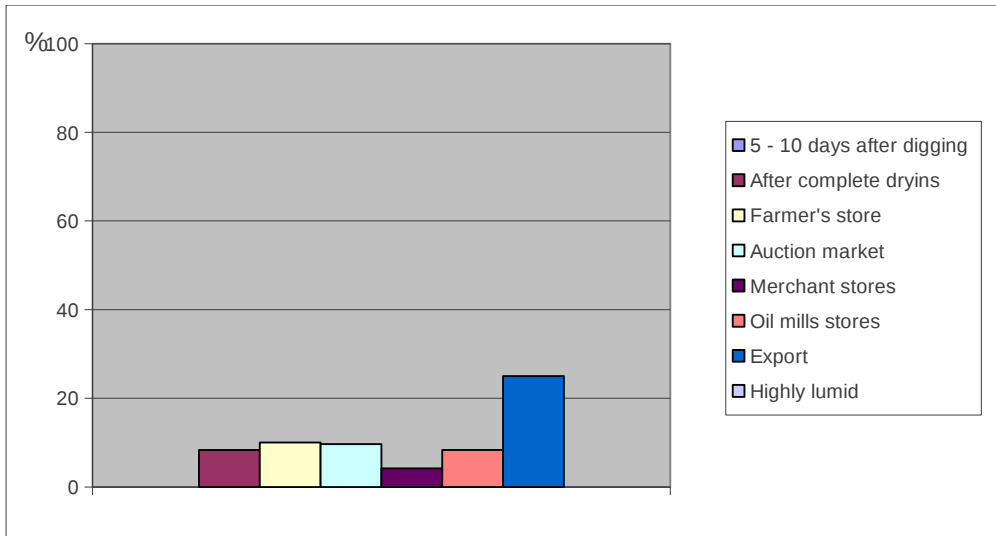
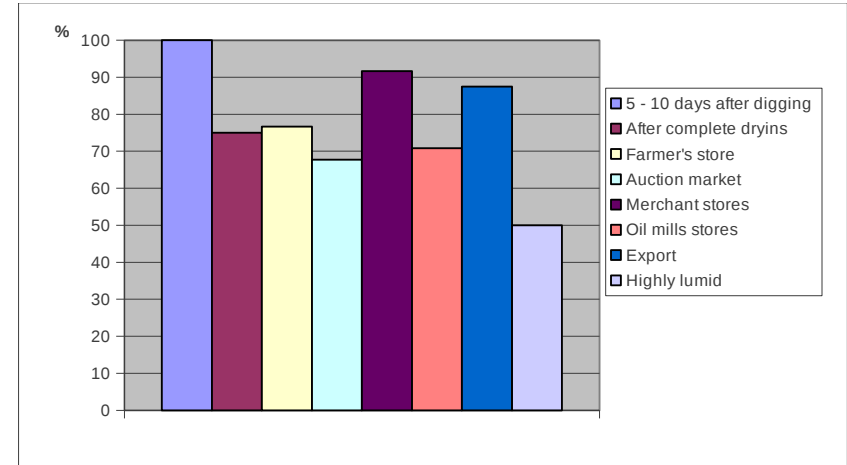


Figure (5-7b) Percent of samples contaminated within the range (10 -20 ppb) at different levels

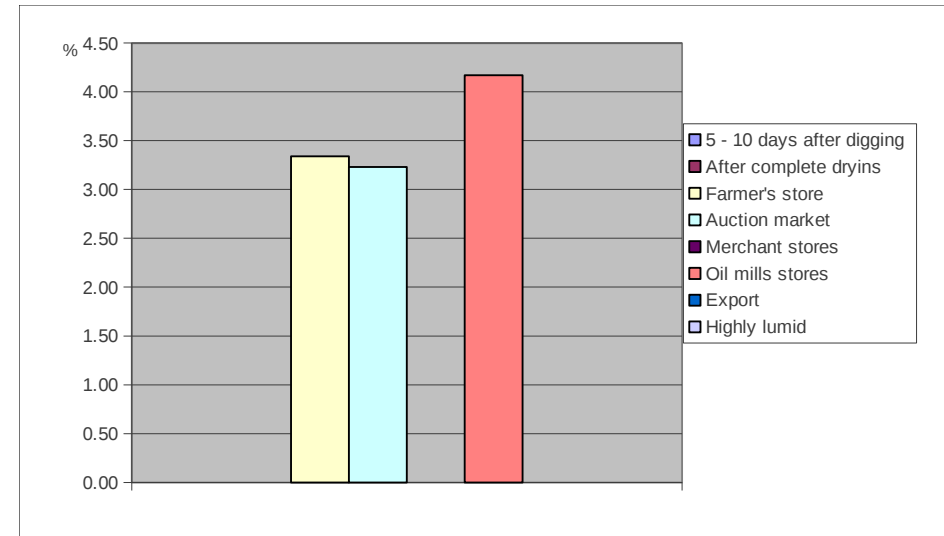


Figure (5-7c) Percent of samples contaminated within the range (20 -30 ppb) at different levels

Table (5-8) Percent of samples contaminated with aflatoxin within the ranges 30-40,40-50,>50 ppb at different crop levels

contamination range in ppb level	30 -40	40 - 50	>50
5 - 10 days after digging	0.00	0.00	0.00
After complete dryins	8.34	8.34	8.34
Farmer's store	0.00	6.67	10.00
Auction market	0.00	0.00	26.67
Merchant stores	4.17	0.00	0.00
Oil mills stores	0.00	4.17	20.84
Export	0.00	0.00	0.00
Highly lumid	10.00	0.00	40.00

Figure (5-8a) Percent of samples contaminated within the range (30-40 ppb) at different levels

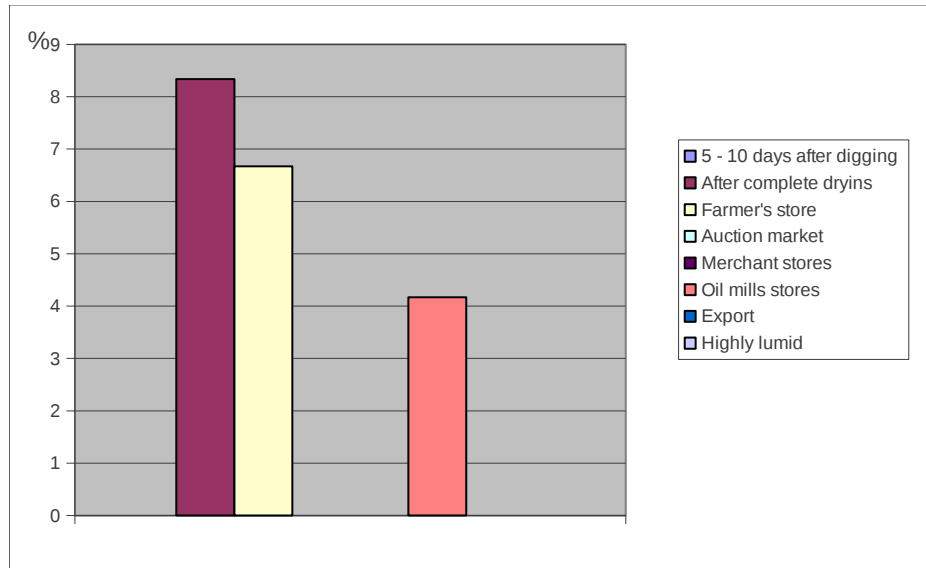
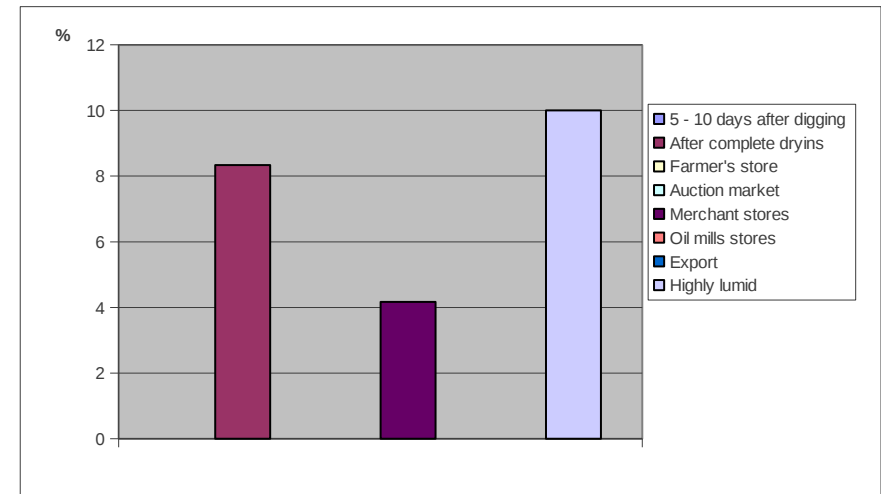


Figure (5-8b) Percent of samples contaminated within the range (40-50 ppb) at different levels

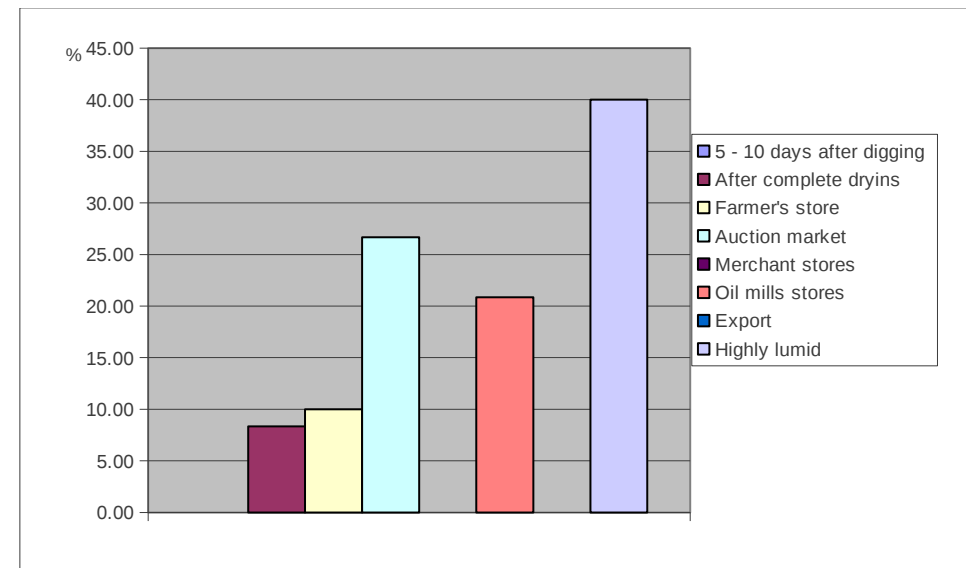


Figure (5-8c) Percent of samples contaminated with aflatoxin >50 ppb at different levels

Table(5-9)Mean (broken+insect damage), aflatoxin and percent of samples contaminated with more than 15 ppb at different stages

NO.	Stage	Mean (broken+ insect damage)	Mean Aflatoxin in ppb	Percentage of samples contaminated with more than 15 ppb
1	production	8.28	35.41	15.39
2	Auction market	12.74	50.93	32.26
3	storage	20.52	40.43	18.75
4	export	3.31	5.12	0

Figure (5-9a) Mean (broken+ insect damage) according to different stages

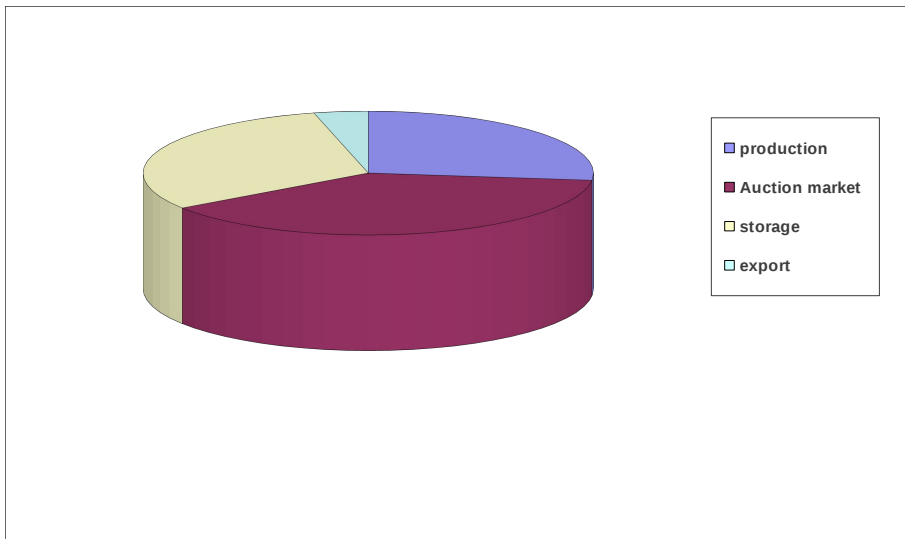
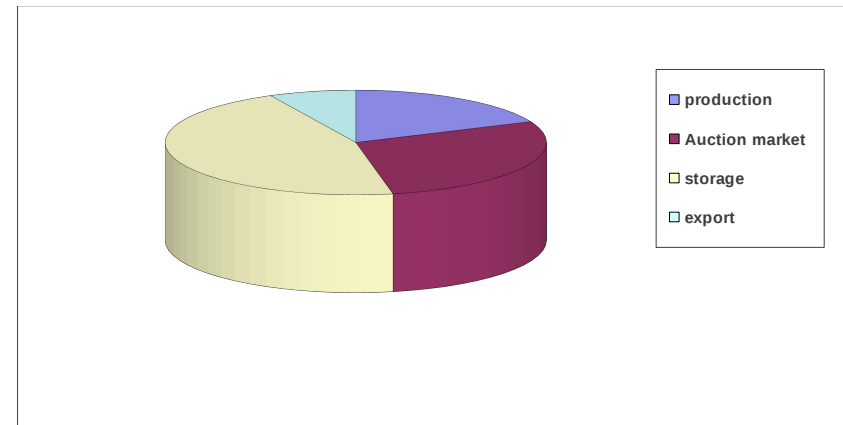


Figure (5-9b) Mean aflatoxin according to different stages

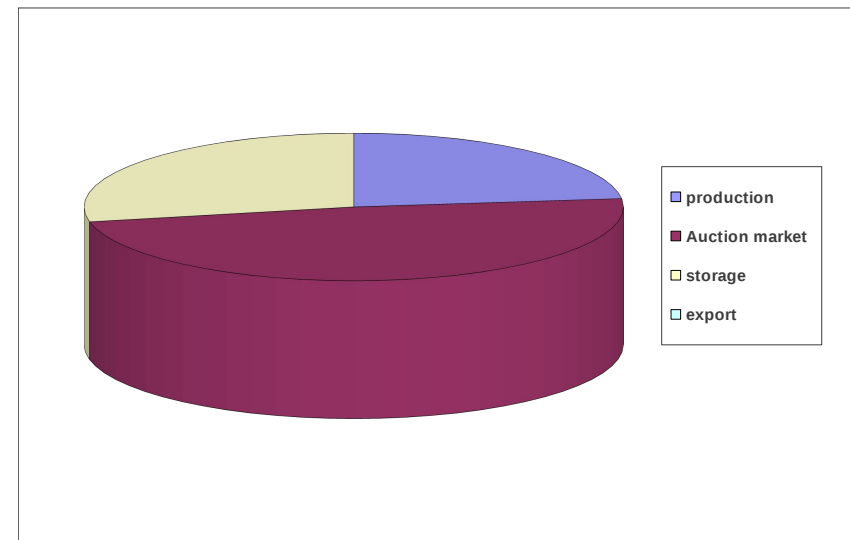


Figure (5-9c) Percentage of samples contaminated with aflatoxin > 15 ppb at different stages

Table (5-4) Mean (broken+insect damage)and aflatoxin in 5-10 days after crop digging and after complete drying levels

No.	Level	Mean (broken+insect damage) %	Aflatoxin in ppb
1	5 - 10 days after crop digging	3.49	0.53
2	After complete drying	7.94	39.95

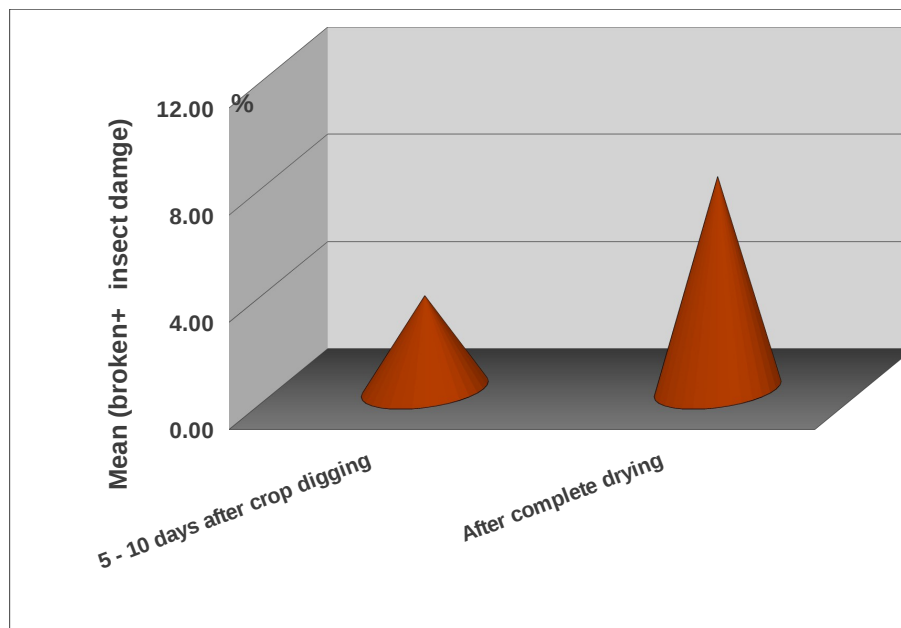


Figure (5-4a) Mean (broken+insect damage)according to two different levels

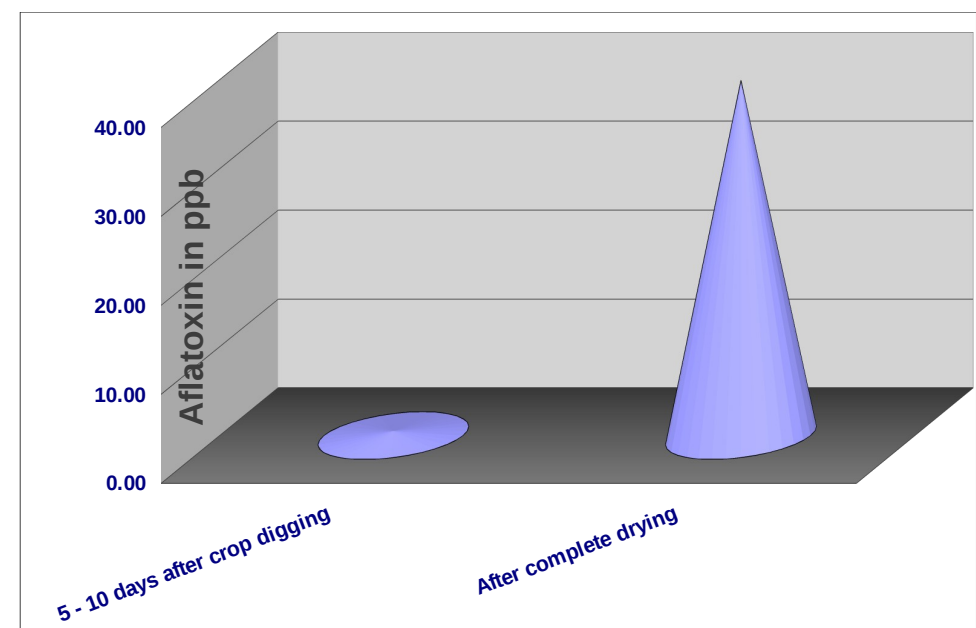


Figure (5-4b) Mean aflatoxin according to two different levels

Table (5-2)Mean aflatoxin by types of stores

No.	Type of Store	Aflatoxin in ppb
1	Dry (Brick and dry grass houses)	3.52
2	Humid (Mud building)	117.27

Figure (5-2)Compares the aflatoxin contamination between dry and humid stores

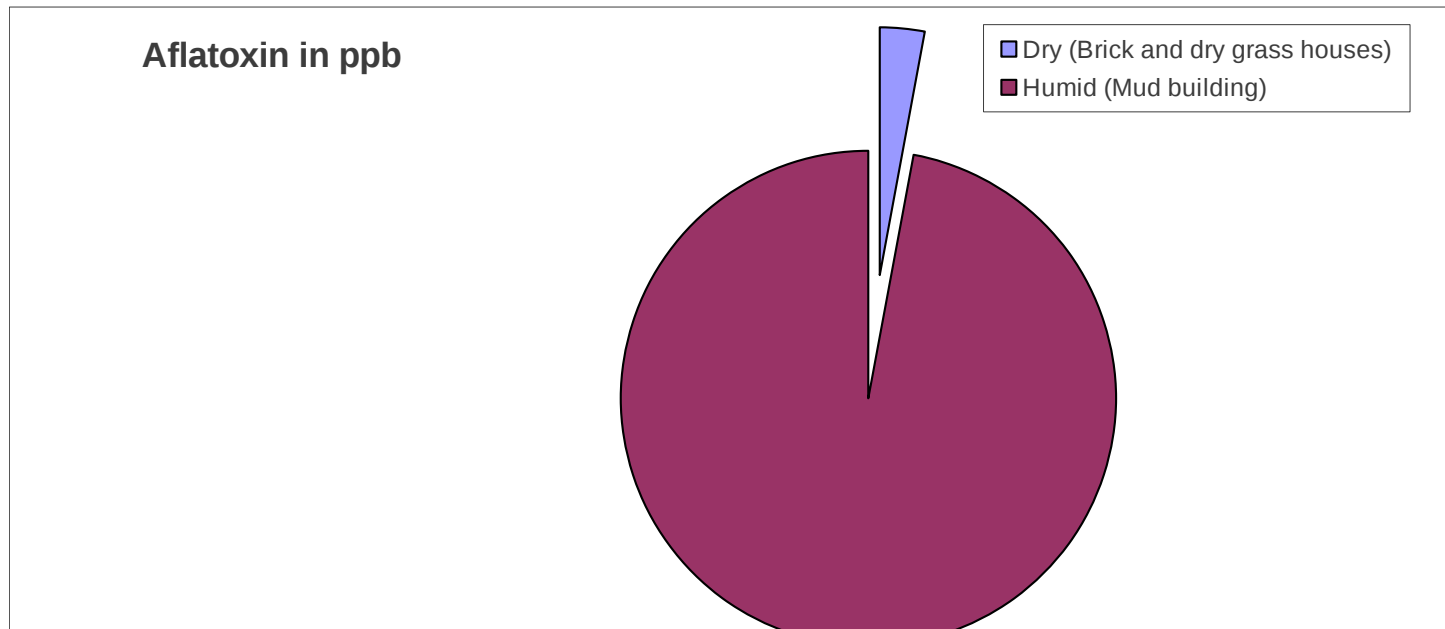




Table (5-3) Compares mean (broken+insect damage) and aflatoxin between merchant & oil mill stores

No.	level	Mean (broken+ insect damage)	Mean Aflatoxin in ppb
1	Merchant stores	18.84	4.79
2	Oil mill stores	22.18	76.08

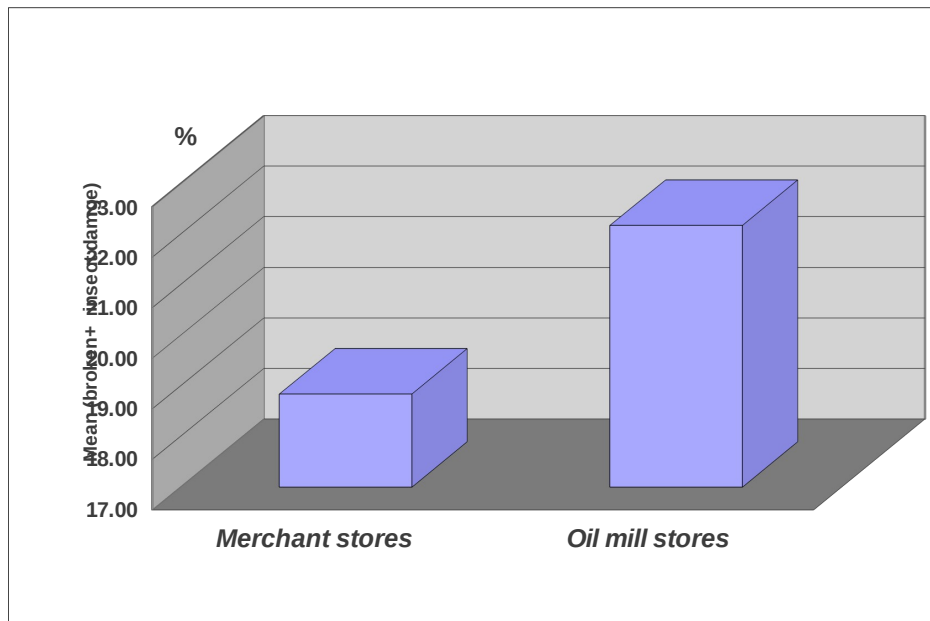


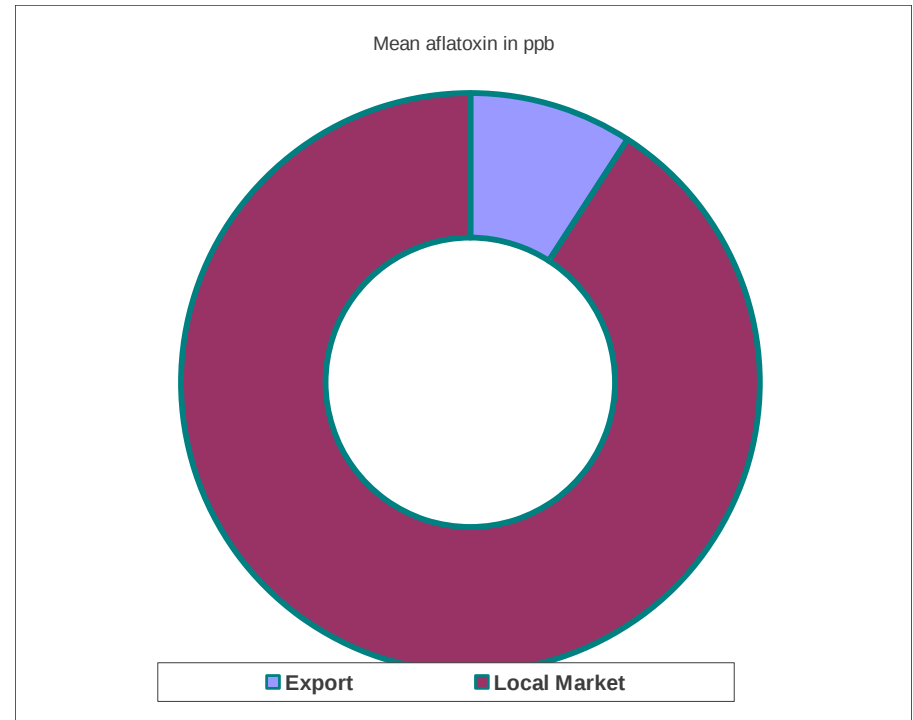
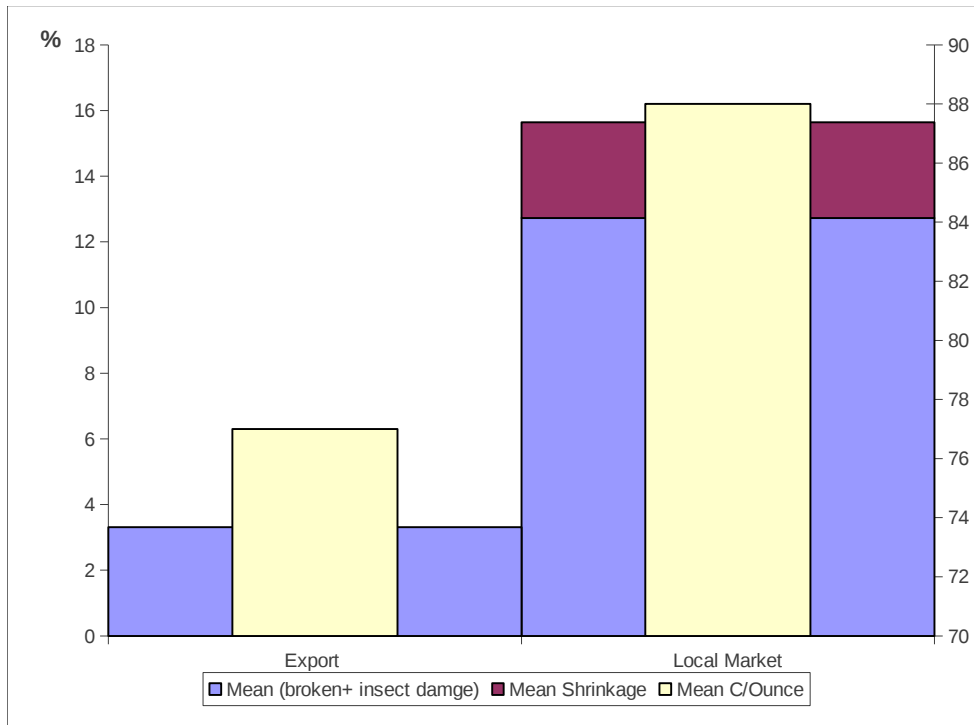
Figure (5-3a) Shows mean (broken+insect damage) in Merchant & Oil Mill Stores



Figure (5-3b) Mean aflatoxin in merchant & oil mill stores

Table(5-5)Compares the physical properties and aflatoxin contamination between export & local market stages

No.	stage	Mean (broken+ insect damage)	Mean C/Ounce	Mean Shrinkage	Mean aflatoxin in ppb
1	Export	3.31	77	0	5.12
2	Local Market	12.73	88	2.91	50.93



Figure(5-5b)Compares aflatoxin level between

Figure(5-5a)Compares the physical properities between export & local market stages

Figure 5-5a compares export & local market stages

