

TABLE 21: Mycotoxin results - Maize Crop Quality 2012/2013

Region	Grade	Aflatoxin µg/kg				Fumonisin µg/kg				DON µg/kg	15-ADON µg/kg	Ochratoxin A µg/kg	Zearalenone µg/kg	HT-2 µg/kg	T-2 µg/kg
		G ₁	B ₁	G ₂	B ₂	Total	B ₁	B ₂	B ₃						
		LOQ: 5 µg/kg	LOQ: 5 µg/kg	LOQ: 5 µg/kg	LOQ: 5 µg/kg	LOQ: 20 µg/kg	LOQ: 20 µg/kg	LOQ: 20 µg/kg	LOQ: 20 µg/kg	LOQ: 100 µg/kg	LOQ: 50 µg/kg	LOQ: 5 µg/kg	LOQ: 20 µg/kg	LOQ: 20 µg/kg	LOQ: 20 µg/kg
10	YM1	ND	ND	ND	ND	254	76	21	351	184	ND	ND	ND	ND	ND
11	WM1	ND	ND	ND	ND	376	98	38	512	ND	ND	ND	ND	ND	ND
11	YM2	ND	ND	ND	ND	2908	1147	340	4395	<100	ND	ND	<20	ND	ND
11	YM1	ND	ND	ND	ND	2044	761	212	3017	ND	ND	ND	ND	ND	ND
12	YM2	ND	ND	ND	ND	91	57	<20	148	ND	ND	ND	ND	ND	ND
13	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	WM2	ND	ND	ND	ND	603	284	56	943	ND	ND	ND	ND	ND	ND
14	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	WM2	ND	ND	ND	ND	139	47	<20	186	ND	ND	ND	ND	ND	ND
14	YM2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	WM2	ND	ND	ND	ND	102	36	<20	138	<100	ND	ND	ND	ND	ND
15	WM1	ND	ND	ND	ND	939	394	111	1444	ND	ND	ND	ND	ND	ND
16	WM1	ND	ND	ND	ND	321	139	28	488	ND	ND	ND	ND	ND	ND
17	WM1	ND	ND	ND	ND	785	245	108	1138	ND	ND	ND	ND	ND	ND
17	COM	ND	ND	ND	ND	174	82	ND	256	<100	ND	ND	ND	ND	ND
18	YM1	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
18	WM2	ND	ND	ND	ND	1076	431	85	1592	617	82	ND	41	ND	ND
18	WM1	ND	ND	ND	ND	56	ND	ND	56	ND	ND	ND	ND	ND	ND
19	YM2	ND	ND	ND	ND	345	149	47	541	ND	ND	ND	ND	ND	ND
19	WM1	ND	ND	ND	ND	<20	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	YM1	ND	ND	ND	ND	149	52	<20	201	ND	ND	ND	ND	ND	ND
20	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	WM1	ND	ND	ND	ND	54	25	ND	79	ND	ND	ND	ND	ND	ND
21	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	WM1	ND	ND	ND	ND	222	64	<20	286	ND	ND	ND	ND	ND	ND
22	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 21: Mycotoxin results - Maize Crop Quality 2012/2013 (continue)

Region	Grade	Aflatoxin µg/kg						Fumonisin µg/kg			DON µg/kg LOQ: 100 µg/kg	15-ADON µg/kg LOQ: 50 µg/kg	Ochratoxin A µg/kg LOQ: 5 µg/kg	Zearalenone µg/kg LOQ: 20 µg/kg	HT-2 µg/kg LOQ: 20 µg/kg	T-2 µg/kg LOQ: 20 µg/kg
		G ₁ LOQ: 5 µg/kg	B ₁ LOQ: 5 µg/kg	G ₂ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	Total	B ₁ LOQ: 20 µg/kg	B ₂ LOQ: 20 µg/kg	B ₃ LOQ: 20 µg/kg	Total						
22	WM2	ND	ND	ND	ND	ND	105	49	ND	154	ND	ND	ND	ND	ND	
22	WM1	ND	ND	ND	ND	ND	89	27	ND	116	ND	ND	ND	ND	ND	
23	WM1	ND	ND	ND	ND	ND	985	470	145	1600	ND	ND	ND	ND	ND	
23	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
23	WM1	ND	ND	ND	ND	ND	79	25	ND	104	ND	ND	ND	ND	ND	
23	WM1	ND	ND	ND	ND	ND	498	210	63	771	ND	ND	ND	ND	ND	
23	WM1	ND	ND	ND	ND	ND	432	219	39	690	ND	ND	<20	ND	ND	
23	YM1	ND	ND	ND	ND	ND	658	232	53	943	ND	ND	ND	ND	ND	
23	WM1	ND	ND	ND	ND	ND	<20	ND	ND	0	ND	ND	ND	ND	ND	
23	WM1	ND	ND	ND	ND	ND	143	242	<20	385	ND	ND	ND	ND	ND	
24	YM1	ND	ND	ND	ND	ND	137	34	<20	171	ND	ND	ND	ND	ND	
24	WM1	ND	ND	ND	ND	ND	596	248	66	910	ND	ND	ND	ND	ND	
24	WM1	ND	ND	ND	ND	ND	453	157	45	655	ND	ND	ND	ND	ND	
25	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	COM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	232	
25	WM3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
27	WM1	ND	ND	ND	ND	ND	<20	ND	ND	0	ND	ND	ND	ND	ND	
28	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
28	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
28	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
29	WM1	ND	ND	ND	ND	ND	<20	ND	ND	0	ND	ND	ND	ND	ND	
29	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
29	YM2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
29	WM1	ND	ND	ND	ND	ND	49	<20	ND	49	ND	ND	ND	ND	ND	

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Region	Grade	Aflatoxin µg/kg						Fumonisin µg/kg			DON µg/kg LOQ: 100 µg/kg	15-ADON µg/kg LOQ: 50 µg/kg	Ochratoxin A µg/kg LOQ: 5 µg/kg	Zearalenone µg/kg LOQ: 20 µg/kg	HT-2 µg/kg LOQ: 20 µg/kg	T-2 µg/kg LOQ: 20 µg/kg	
		G ₁ LOQ: 5 µg/kg	B ₁ LOQ: 5 µg/kg	G ₂ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	Total		B ₁ LOQ: 20 µg/kg	B ₂ LOQ: 20 µg/kg	B ₃ LOQ: 20 µg/kg							Total
						G ₂	B ₂										
29	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND		
30	YM1	ND	ND	ND	ND	ND	165	47	<20	212	<100	ND	ND	ND	ND		
30	YM1	ND	ND	ND	ND	ND	<20	ND	ND	0	<100	ND	ND	ND	ND		
30	WM1	ND	ND	ND	ND	ND	<20	ND	ND	0	139	<50	ND	ND	ND		
30	WM1	ND	ND	ND	ND	ND	37	20	ND	57	<100	ND	ND	ND	ND		
30	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	WM1	ND	ND	ND	ND	ND	<20	ND	ND	0	ND	ND	ND	ND	ND		
31	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND		
31	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
32	YM1	ND	ND	ND	ND	ND	62	34	ND	96	ND	ND	ND	ND	ND		
32	WM1	ND	ND	ND	ND	ND	114	29	<20	143	ND	ND	ND	ND	ND		
32	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
32	WM1	ND	ND	ND	ND	ND	68	22	ND	90	ND	ND	ND	ND	ND		
32	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
32	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
32	COM	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND		
33	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
33	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
33	WM2	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND		
33	WM1	ND	ND	ND	ND	ND	32	<20	ND	32	<100	ND	ND	ND	ND		
33	YM1	ND	ND	ND	ND	ND	22	ND	ND	22	162	ND	ND	ND	ND		
34	WM1	ND	ND	ND	ND	ND	84	37	ND	121	ND	ND	ND	ND	ND		
34	WM1	ND	ND	ND	ND	ND	196	99	27	322	ND	ND	ND	ND	ND		
34	YM2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
34	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

TABLE 21: Mycotoxin results - Maize Crop Quality 2012/2013 (continue)

Region	Grade	Aflatoxin µg/kg						Fumonisin µg/kg			DON µg/kg LOD: 100 µg/kg	15-ADON µg/kg LOQ: 50 µg/kg	Ochratoxin A µg/kg LOQ: 5 µg/kg	Zearalenone µg/kg LOQ: 20 µg/kg	HT-2 µg/kg LOQ: 20 µg/kg	T-2 µg/kg LOQ: 20 µg/kg
		G ₁ LOQ: 5 µg/kg	B ₁ LOQ: 5 µg/kg	G ₂ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	Total	B ₁ LOQ: 20 µg/kg	B ₂ LOQ: 20 µg/kg	B ₃ LOQ: 20 µg/kg	Total						
34	WM1	ND	ND	ND	ND	ND	752	340	69	1161	241	ND	ND	20	ND	ND
34	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	YM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	WM1	ND	ND	ND	ND	ND	59	23	ND	82	ND	ND	ND	ND	ND	ND
35	YM1	ND	ND	ND	ND	ND	206	90	<20	296	ND	ND	ND	ND	ND	ND
35	WM2	ND	ND	ND	ND	ND	108	54	<20	162	ND	ND	ND	ND	ND	ND
36	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	149	ND	ND	ND	ND	ND
36	YM1	ND	ND	ND	ND	ND	184	43	<20	227	<100	ND	ND	ND	ND	ND
36	WM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	YM1	ND	ND	ND	ND	ND	273	88	<20	361	ND	ND	ND	ND	ND	ND
Total number of samples		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Average of total number of samples		0	0	0	0	0	172	69	16	257	21	1	0	1	1	2
Number of positive results		0	0	0	0	0	45	41	18	45	9	1	0	2	1	1
Average of positive results		-	-	-	-	-	383	169	86	571	225	82	-	31	72	232
Maximum of positive results		-	-	-	-	-	2908	1147	340	4395	617	82	-	41	72	232

Note:
 Limit of quantitation (LOQ) means the lowest concentration level that can be quantified with acceptable precision and accuracy by the mass spectrometer.
 A concentration measured below the LOQ is reported as <LOQ.
 Limit of detection (LOD) is the lowest concentration level that can be detected but not quantified and is 50% of the LOQ of each mycotoxin.
 A concentration measured below the LOD is reported as not detected (ND).
 µg/kg = ppb (parts per billion)