

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
6	Y	ND	ND	ND	ND	ND	ND	539	133	41	713	<100	ND	ND	ND	ND
6	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	241	<100	ND	ND	ND
8	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	ND	ND	ND	ND
8	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	195	<100	ND	ND	ND
10	Y	ND	ND	ND	ND	116	31	ND	ND	ND	147	279	ND	ND	ND	ND
10	Y	ND	ND	ND	ND	600	161	42	ND	803	241	ND	ND	ND	ND	ND
10	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Y	ND	ND	ND	ND	2 348	598	181	3 127	3 127	ND	ND	ND	ND	ND	ND
10	Y	ND	ND	ND	ND	226	64	<20	290	290	642	106	ND	ND	ND	ND
10	Y	ND	ND	ND	ND	60	<20	ND	60	60	287	109	ND	ND	ND	ND
10	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Y	ND	ND	ND	ND	454	289	31	774	774	186	ND	ND	ND	ND	ND
11	Y	ND	ND	ND	ND	24	<20	ND	24	24	218	<100	ND	ND	ND	ND
11	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Y	ND	ND	ND	ND	57	<20	ND	57	57	ND	ND	ND	ND	ND	ND
12	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	210	ND	ND	ND	ND	ND
12	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND
12	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	W	ND	ND	ND	ND	96	43	ND	139	139	ND	ND	ND	ND	ND	ND
12	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	W	ND	ND	ND	ND	<20	ND	<20	<20	<20	324	<100	ND	ND	ND	ND
13	Y	ND	ND	ND	ND	<20	ND	<20	<20	<20	ND	ND	ND	ND	ND	ND

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
13	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	112	ND	ND	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 243	245	30	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	135	ND	ND	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	132	ND	ND	ND	ND	
13	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
13	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 569	249	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	146	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
14	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	208	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	146	ND	ND	ND	ND	
14	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	112	ND	ND	ND	ND	
14	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
14	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	272	<100	ND	ND	ND	
15	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	82	ND	ND	ND	ND	
15	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	234	ND	ND	ND	ND	
16	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
16	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
16	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
16	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
16	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
16	W	ND	ND	ND	ND	ND	ND	ND	ND	124	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	
17	Y	ND	ND	ND	ND	ND	ND	ND	ND	132	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	165	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	W	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	
17	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
17	Y	ND	ND	ND	ND	ND	ND	ND	ND	106	ND	ND	ND	ND	ND	
18	Y	ND	ND	ND	ND	ND	ND	ND	ND	176	ND	ND	ND	ND	ND	
18	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
18	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
18	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
18	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
18	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
18	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
18	Y	ND	ND	ND	ND	ND	ND	ND	ND	66	ND	ND	ND	ND	ND	
19	Y	ND	ND	ND	ND	ND	ND	ND	ND	152	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	218	ND	ND	ND	ND	ND	

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
19	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	
19	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	50	ND	ND	ND	<100	ND	ND	ND	ND	ND	
19	Y	ND	ND	ND	ND	ND	ND	ND	ND	188	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	W	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	
19	Y	ND	ND	ND	ND	50	ND	ND	ND	164	ND	ND	ND	ND	ND	
19	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	407	ND	ND	ND	ND	ND	
20	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
20	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
20	Y	ND	ND	ND	ND	709	304	60	1 073	295	ND	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	<20	ND	ND	<20	2 061	379	<20	<20	<20	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	427	<100	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	232	<100	ND	ND	ND	ND	
20	W	ND	ND	ND	ND	ND	ND	ND	ND	730	129	ND	ND	ND	ND	
21	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
21	Y	ND	ND	ND	ND	ND	ND	ND	ND	163	ND	ND	ND	ND	ND	
21	W	ND	ND	ND	ND	ND	ND	ND	ND	562	164	ND	ND	ND	ND	
21	Y	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND	

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/22 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
21	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	ND	ND	ND	ND	ND
21	W	ND	ND	ND	ND	ND	246	90	29	365	<100	ND	ND	ND	ND	ND
21	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Y	ND	ND	ND	ND	30	30	ND	ND	30	ND	ND	ND	ND	ND	ND
21	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	115	ND	ND	ND	ND	ND
21	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
21	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	377	<100	ND	<20	ND	ND
21	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	604	ND	ND	ND	ND	ND
22	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	424	<100	ND	ND	ND	ND
22	W	ND	ND	ND	ND	ND	141	84	ND	225	254	ND	ND	ND	ND	ND
22	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
23	Y	ND	ND	ND	ND	ND	128	44	<20	172	ND	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	318	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	247	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	Y	ND	ND	ND	ND	ND	116	46	ND	162	ND	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	66	29	ND	95	ND	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND
23	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	160	<100	ND	ND	ND	ND
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	224	ND	ND	ND	ND	ND
24	Y	ND	ND	ND	ND	ND	134	38	ND	172	114	ND	ND	ND	ND	ND
24	W	ND	ND	ND	ND	ND	373	150	34	557	ND	ND	ND	ND	ND	ND
24	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
24	Y	ND	ND	ND	ND	ND	47	ND	ND	47	ND	ND	ND	ND	ND	ND

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
24	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	139	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	121	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	253	114	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	ND	ND	ND	ND	
24	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
24	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
25	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	156	ND	ND	ND	ND	
25	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	116	ND	ND	ND	ND	
26	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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		
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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
28	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	<20	ND	ND	146	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	236	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	439	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	301	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	177	ND	43	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND		
29	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	W	ND	ND	ND	ND	ND	ND	ND	464	ND	39	ND	ND	ND		
30	W	ND	ND	ND	ND	ND	ND	ND	465	ND	ND	ND	ND	ND		
30	Y	ND	ND	ND	ND	ND	ND	ND	123	ND	ND	ND	ND	ND		
30	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	Y	ND	ND	ND	ND	ND	ND	ND	228	ND	ND	ND	ND	ND		
30	W	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND		
30	Y	ND	ND	ND	ND	ND	ND	ND	335	ND	ND	ND	ND	ND		
30	W	ND	ND	ND	ND	ND	ND	ND	337	ND	ND	ND	ND	ND		
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	W	ND	ND	ND	ND	ND	ND	ND	1 366	ND	ND	ND	ND	ND		

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	118	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	851	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	117	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	90	24	ND	ND	ND	ND	ND	ND	
30	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
30	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	114	ND	43	ND	ND	
30	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	106	ND	ND	ND	ND	
31	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	665	<100	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	198	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	192	ND	45	ND	ND	
31	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	205	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
31	W	ND	ND	ND	ND	ND	ND	36	<20	ND	194	ND	ND	ND	ND	
31	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
31	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
31	W	ND	ND	ND	ND	ND	ND	35	24	ND	59	ND	ND	ND	ND	
32	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	126	ND	ND	ND	ND	
32	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	850	<100	ND	ND	ND	
32	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	ND	ND	ND	ND	

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁ LOQ: 5 µg/kg	B ₂ LOQ: 5 µg/kg	G ₁ LOQ: 5 µg/kg	G 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						
33	W	ND	ND	ND	ND	ND	36	ND	ND	36	ND	ND	ND	ND	ND	
33	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	433	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	41	<20	ND	41	<100	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	208	68	22	298	132	102	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	555	<100	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 205	207	328	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	139	<100	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	384	118	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	413	<100	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	149	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	161	ND	ND	ND	ND	
34	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
34	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
35	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
35	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
35	Y	ND	ND	ND	ND	ND	216	70	30	316	ND	ND	ND	ND	ND	
35	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
35	W	ND	ND	ND	ND	ND	33	<20	ND	33	ND	ND	ND	ND	ND	
35	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
35	Y	ND	ND	ND	ND	ND	207	52	ND	259	ND	ND	ND	ND	ND	

TABLE 23: MYCOTOXIN RESULTS - MAIZE CROP QUALITY 2022/23 (continue)

Region	Colour maize	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
		B ₁	B ₂	G ₁	G ₂	Total	B ₁	B ₂	B ₃	Total						
		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							
35	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	111	ND	ND	ND	ND	ND
35	Y	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
35	W	ND	ND	ND	ND	ND	ND	61	25	ND	ND	ND	ND	ND	ND	ND
35	Y	ND	ND	ND	ND	ND	ND	<20	ND	ND	ND	<20	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	208	ND	ND	40	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	358	ND	ND	ND	ND	ND
36	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	482	ND	ND	34	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	143	ND	ND	ND	ND	ND
36	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	193	ND	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND	ND
36	W	ND	ND	ND	ND	ND	ND	72	ND	ND	<100	ND	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	252	ND	ND	ND	ND	ND
36	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 848	ND	107	ND	ND	ND
36	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	Y	ND	ND	ND	ND	ND	ND	21	ND	ND	166	ND	ND	111	ND	ND
36	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	ND	ND
Total number of samples		350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Average of total number of samples		0	0	0	0	0	0	28	9	2	116	8	3	0	0	0
Number of positive results		0	0	0	0	0	0	48	30	10	127	15	12	0	0	0
Average of positive results		-	-	-	-	-	-	202	103	57	320	176	78	-	-	-
Maximum of positive results		-	-	-	-	-	-	2 348	598	181	2 205	379	328	-	-	-

Note:

Limit of quantitation (LOQ) means the lowest concentration level that can be quantified with acceptable precision and accuracy by the LC-MS/MS.

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)

TABLE 24: MYCOTOXIN RESULTS - SUMMARY OF SEASONS 2013/14 TO 2022/23

Season	Total Number of samples represented in crop survey	Number of samples tested for mycotoxins	Aflatoxin* µg/kg		Fumonisin** µg/kg		Deoxynivalenol µg/kg		15-acetyl-deoxynivalenol µg/kg		Ochratoxin A µg/kg		Zearalenone µg/kg		T-2 Toxin µg/kg						
			N	ave.	max.	N	ave.	max.	N	ave.	max.	N	ave.	max.	N	ave.	max.				
2013/14	930	350	-	-	-	143	456	5 357	243	417	6 134	59	182	861	-	-	41	78	445	-	-
2014/15	1 000	350	3	31	48	197	397	3 382	143	447	9 736	37	251	1 768	-	-	37	60	337	-	-
2015/16	920	350	-	-	-	200	569	11 347	75	259	1 585	7	163	310	-	-	17	49	127	-	-
2016/17	1 000	350	-	-	-	155	431	6 059	129	919	7 698	56	254	964	-	-	27	89	399	-	-
2017/18	900	350	-	-	-	154	554	8 356	204	676	3 510	64	163	394	-	-	28	61	361	-	-
2018/19	808	350	1	143	143	151	689	34 740	237	627	11 181	62	218	737	-	-	36	98	957	-	-
2019/20	890	350	1	10	10	121	413	5 928	299	768	7 700	120	238	1 173	-	-	44	70	539	-	-
2020/21	1 000	350	-	-	-	76	459	5 373	225	434	3 256	63	176	571	-	-	9	38	101	-	-
2021/22	1 000	350	-	-	-	55	709	18 301	290	749	6 879	107	211	1 115	-	-	57	58	428	2	29
2022/23	1 000	350	-	-	-	48	297	3 127	127	320	2 205	15	176	379	-	-	12	78	328	-	-
Total	9 448	3 500	5			1 300	501		1 972	596		590	211			308	70		2	29	
	Weighted ave.		49			501		596		11 181		1 768				957			29		30
	Max.		143			34 740		11 181													

* Sum of Aflatoxin (B₁; B₂; G₁; G₂)

**Sum of Fumonisin (B₁; B₂; B₃)

N = number of positive results

Mycotoxin methodology

During 2010 SAGL implemented a multi-mycotoxin screening method using UPLC-MS/MS. The following limit of detection applies for each toxin:

Mycotoxin	LOQ for maize µg/kg	LOD for maize µg/kg
Aflatoxin B ₁	5	2.5
Aflatoxin B ₂	5	2.5
Aflatoxin G ₁	5	2.5
Aflatoxin G ₂	5	2.5
Fumonisin B ₁	20	10
Fumonisin B ₂	20	10
Fumonisin B ₃	20	10
Deoxynivalenol	100	50
15-ADON	100	50
Ochratoxin A	5	2.5
Zearalenone	20	10
T - 2 Toxin	20	10

Note:

Limit of quantitation (LOQ) means the lowest concentration level that can be quantified with acceptable precision and accuracy by the LC-MS/MS. 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. µg/kg = ppb (parts per billion)