

TABLE 10: MYCOTOXIN RESULTS - SORGHUM CROP QUALITY 2018/19

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
		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						
13	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	GM3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	GH1	ND	ND	ND	ND	ND	ND	ND	<100	ND	ND	ND	ND	ND
21	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26	GH2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
29	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
29	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	GM1	ND	ND	ND	ND	28	ND	ND	199	ND	ND	<20	ND	ND
31	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	GM1	ND	ND	ND	ND	94	29	<20	111	ND	ND	55	ND	ND
31	GM2	ND	ND	ND	ND	157	26	30	127	ND	ND	78	ND	ND
31	GM1	ND	ND	ND	ND	29	ND	<20	152	ND	ND	<20	ND	ND
33	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GH1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 10: MYCOTOXIN RESULTS - SORGHUM CROP QUALITY 2018/19 (continue)

Region	Grade	Aflatoxin µg/kg				Fumonisin µg/kg			DON µg/kg LOQ: 100 µg/kg	15-ADON µg/kg LOQ: 100 µg/kg	Ochratoxin A µg/kg LOQ: 5 µg/kg	Zearalenone µg/kg LOQ: 20 µg/kg	HT-2 µg/kg LOD: 20 µg/kg	T-2 µg/kg LOQ: 20 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						
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	GM1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total number of samples		31	31	31	31	31	31	31	31	31	31	31	31	31
Average of total number of samples		0	0	0	0	<20	ND	ND	0	0	0	0	0	0
Number of positive results		0	0	0	0	4	2	1	4	0	0	2	0	0
Average of positive results		0	0	0	0	77	28	30	147	0	0	67	0	0
Maximum of positive results		0	0	0	0	157	29	30	199	0	0	78	0	0

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).

Mycotoxin levels above the LOQ were seen as a positive result for calculation purposes.

µg/kg = ppb (parts per billion)