

**Mycotoxin Contaminants Scheme**

**Game Bird Feed**

**Test Material Code # 202064**

**Method Summary Report**

(Precision Report Follows)

**# Labs Reporting: 53**

**# Methods Reported: 81**

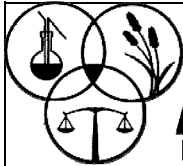
**Issue Date : 11/30/2020**

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD (offp)	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	12	<b>12</b>	10.16	2.228	<b>10.16</b>	3.513	1.268	34.58%	1.085	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	7	<b>7</b>	13.53	5.278	<b>13.53</b>	4.642	2.193	34.31%	2.132	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	4	<b>4</b>	9.190	3.619	9.190	3.187	1.593	34.67%	0.3210	22.00%
600.20	Total Aflatoxin, LC (ppb)	5	<b>4</b>	12.55	3.067	12.55	4.316	2.158	34.38%	1.647	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	5	<b>4</b>	12.79	3.266	12.79	4.396	2.198	34.37%	0.1025	22.00%
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	3	<b>3</b>	9.083	0.8724	9.083	3.151	1.819	34.69%	0.7000	22.00%
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	3	<b>3</b>	9.367	4.781	9.367	3.246	1.874	34.66%	0.1333	22.00%
600.04	Total Aflatoxin, Charm ROSA Fast 5 Aflatoxin Quant (ppb)	1	<b>1</b>	5.725							
600.22	Total Aflatoxin, Vicam Aflatest, LC-FI (ppb)	1	<b>1</b>	10.80							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	14	<b>14</b>	12.53	4.094	<b>12.53</b>	4.307	1.439	34.38%	2.556	22.00%
601.20	Aflatoxin B1, LC (ppb)	4	<b>4</b>	14.61	8.593	14.61	5.003	2.501	34.24%	0.8953	22.00%
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	4	<b>4</b>	8.999	2.260	8.999	3.122	1.561	34.69%	0.4075	22.00%
601.21	Aflatoxin B1, LC-PCD FI (ppb)	2	<b>2</b>	11.97	6.986						
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	2	<b>2</b>	10.34	0.1768						
602.23	Aflatoxin B2, LC-MS/MS (ppb)	13	<b>9</b>	1.163	0.5417	<b>1.152</b>	0.4227	0.1761	36.68%	0.2329	22.00%
602.20	Aflatoxin B2, LC (ppb)	4	<b>3</b>	0.9080	0.3038	0.9080	0.3352	0.1935	36.92%	0.1187	22.00%
602.21	Aflatoxin B2, LC-PCD FI (ppb)	1	<b>1</b>	1.260							
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	2	<b>1</b>	0.7850							
603.21	Aflatoxin G1, LC-PCD FI (ppb)	1	<b>1</b>	0.1250							
603.20	Aflatoxin G1, LC (ppb)	2		0.3750							
603.23	Aflatoxin G1, LC-MS/MS (ppb)	12									
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	2		0.3200							
604.20	Aflatoxin G2, LC (ppb)	2	<b>1</b>	4.925							
604.21	Aflatoxin G2, LC-PCD FI (ppb)	1		0.0100							
604.23	Aflatoxin G2, LC-MS/MS (ppb)	11									
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	2		0.4900							
610.23	Deoxynivalenol, LC-MS/MS (ppb)	16	<b>16</b>	1,062	560.9	<b>1,087</b>	331.3	103.5	30.47%	66.16	15.80%
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	12	<b>12</b>	1,436	163.8	<b>1,432</b>	432.9	156.2	30.24%	122.5	15.16%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	6	<b>6</b>	1,362	248.0	<b>1,362</b>	412.5	210.5	30.28%	53.55	15.27%

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD (offp)	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	5	5	1,299	193.1	1,299	393.8	176.1	30.32%	76.20	15.38%
610.20	Deoxynivalenol, LC (ppb)	4	3	1,011	878.8	1,011	308.7	218.3	30.53%	3.398	15.97%
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	1,700	487.2						
610.99	Deoxynivalenol, Miscellaneous (ppb)	2	2	1,110	268.7						
610.04	Deoxynivalenol, Charm ROSA Fast 5 DON Quant (ppb)	1	1	1,225							
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	1	1	1,140							
610.22	Deoxynivalenol, LC-MS (ppb)	1	1	1,314							
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	6	6	3,926	1,356	3,763	1,109	565.7	29.46%	441.7	13.10%
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	6	6	3,537	1,074	3,537	1,044	532.7	29.51%	211.5	13.23%
620.23	Total Fumonisin, LC-MS/MS (ppb)	6	6	2,791	1,460	3,032	898.4	458.5	29.63%	256.1	13.54%
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	3	3	3,370	719.4	3,370	995.8	574.9	29.55%	140.0	13.32%
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	3	3	2,067	794.3	2,067	618.8	357.3	29.94%	266.7	14.34%
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	4	3	3,698	1,042	3,698	1,090	629.2	29.47%	15.33	13.14%
620.04	Total Fumonisin, Charm ROSA Fast 5 FUMQ (ppb)	1	1	5,125							
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	1	1	3,180							
620.20	Total Fumonisin, LC (ppb)	1	1	4,150							
621.23	Fumonsin B1, LC-MS/MS (ppb)	14	14	1,795	928.8	1,875	562.8	188.0	30.02%	84.79	14.55%
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	2	2	1,552	851.4						
621.20	Fumonsin B1, LC (ppb)	1	1	2,648							
621.22	Fumonsin B1, LC-MS (ppb)	1	1	1,351							
622.23	Fumonisin B2, LC-MS/MS (ppb)	14	14	721.8	803.2	573.1	177.7	59.35	31.00%	100.2	17.39%
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	2	2	375.3	247.8						
622.20	Fumonisin B2, LC (ppb)	1	1	670.4							
622.22	Fumonisin B2, LC-MS (ppb)	1	1	397.6							
623.23	Fumonisin B3, LC-MS/MS (ppb)	5	5	257.8	157.1	257.8	81.68	36.53	31.68%	9.872	19.62%
623.22	Fumonisin B3, LC-MS (ppb)	1	1	150.4							
630.23	Ochratoxin A, LC-MS/MS (ppb)	15	15	17.26	4.499	17.26	5.882	1.898	34.09%	1.878	22.00%
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	6	6	22.15	13.59	19.42	6.600	3.368	33.98%	1.554	22.00%
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	3	3	17.76	9.283	17.76	6.049	3.492	34.06%	0.3183	22.00%
630.20	Ochratoxin A, LC (ppb)	3	3	25.56	8.388	25.56	8.619	4.976	33.73%	4.448	22.00%
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	2	2	66.91	71.90						
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	2	2	14.40	6.831						
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	1	1	18.36							
630.21	Ochratoxin A, LC-PCD FI (ppb)	1	1	19.75							
640.23	T-2 Toxin, LC-MS/MS (ppb)	16	14	66.60	26.35	70.94	23.27	7.775	32.81%	6.970	22.00%
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	3	3	113.1	35.54	113.1	36.65	21.16	32.39%	7.646	22.00%
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	4	3	139.1	50.29	139.1	44.81	25.87	32.21%	3.673	21.53%
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	2	2	114.1	23.52						
640.21	T-2 Toxin, LC-PCD FI (ppb)	1	1	55.50							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	11	10	100.1	38.01	107.7	34.95	13.81	32.44%	10.00	22.00%

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641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	71.50							
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	4	4	302.9	103.2	302.9	95.54	47.77	31.54%	23.94	19.15%
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	5	4	227.6	58.57	227.6	72.34	36.17	31.79%	11.34	19.99%
642.99	T-2 Toxin + HT-2 Toxin, Miscellaneous Technique (ppb)	2	2	223.0	66.86						
650.24	Zearalenone, LC-MS/MS (ppb)	14	<b>14</b>	240.9	51.99	<b>242.3</b>	76.88	25.68	31.73%	37.21	19.80%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	6	<b>6</b>	399.1	142.5	<b>392.6</b>	123.0	62.75	31.32%	53.73	18.41%
650.20	Zearalenone, LC (ppb)	6	<b>6</b>	336.4	192.4	<b>307.4</b>	96.91	49.45	31.53%	26.52	19.10%
650.98	Zearalenone, Other Rapid Test Kit (ppb)	6	<b>6</b>	282.9	74.80	<b>282.9</b>	89.38	45.61	31.60%	20.82	19.34%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	4	4	254.0	83.82	254.0	80.51	40.25	31.69%	1.409	19.66%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	3	3	304.5	22.96	304.5	96.02	55.44	31.54%	13.87	19.13%
650.23	Zearalenone, LC-MS (ppb)	2	2	356.4	167.1						
650.99	Zearalenone, Miscellaneous (ppb)	2	2	254.6	91.39						

Notes: Robust statistics not used if < 6 labs reporting. In this case Means and SD's may be reported based on Raw Data with obvious blunders removed. Robust Assigned Values indicated in bold font. Horwitz and Revised Horwitz SD's assigned regardless of participant number.



**AAFCO**  
Proficiency Testing Program



**Mycotoxin Contaminants Scheme**  
**Game Bird Feed**  
**Test Material Code # 202064**

**Method Precision Report**

**# Methods Reported: 11**  
**# Labs Reporting: 53**  
**Issue Date : 11/30/2020**

Method Code	Analyte and Method	Total # Labs Submitting	# Labs used in Precision Calcs	Precision Mean	Precision SD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	12	11	10.16	2.228	2.206	0.5261	2.268	22.12%	5.27%	22.74%	4.310
601.23	Aflatoxin B1, LC-MS/MS (ppb)	14	14	12.53	4.094	3.745	2.341	4.416	29.89%	18.69%	35.26%	1.887
602.23	Aflatoxin B2, LC-MS/MS (ppb)	13	8	1.163	0.5417	0.5685	0.1549	0.5892	49.07%	13.37%	50.86%	3.805
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	12	12	1,436	163.8	144.0	110.6	181.5	10.02%	7.70%	12.64%	1.641
610.23	Deoxynivalenol, LC-MS/MS (ppb)	16	15	1,062	560.9	531.9	48.01	534.1	52.88%	4.77%	53.10%	11.13
621.23	Fumonsin B1, LC-MS/MS (ppb)	14	14	1,795	928.8	926.8	84.47	930.7	51.64%	4.71%	51.86%	11.02
622.23	Fumonsin B2, LC-MS/MS (ppb)	14	13	721.8	803.2	274.1	40.98	277.2	52.81%	7.89%	53.40%	6.764
630.23	Ochratoxin A, LC-MS/MS (ppb)	15	15	17.26	4.499	4.301	1.863	4.688	24.93%	10.80%	27.17%	2.516
640.23	T-2 Toxin, LC-MS/MS (ppb)	16	12	66.60	26.35	18.85	5.469	19.63	26.70%	7.75%	27.80%	3.590
641.23	HT-2 Toxin, LC-MS/MS (ppb)	11	8	100.1	38.01	14.09	6.828	15.65	12.93%	6.27%	14.37%	2.293
650.24	Zearalenone, LC-MS/MS (ppb)	14	13	240.9	51.99	47.72	18.72	51.26	20.29%	7.96%	21.79%	2.738

Notes: Precision Calculations provided for methods with 8 or more labs contributing to calculations.