



AAFCO
Association of American Feed Control Officials



Mycotoxin Contaminants Scheme

Livestock Feed

Test Material Code # 202564

Method Summary Report

(Precision Report Follows)

Labs Reporting: 65

Methods Reported: 104

Issue Date : 11/30/2025

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 (Rob R-bar)	Thompson Horwitz %RSD
600.20	Total Aflatoxin, LC (ppb)	12	12	10.91	3.823	10.68	3.689	1.331	34.53%	0.6261	22.00%
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	10	10	11.58	1.714	11.60	3.996	1.579	34.46%	1.593	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	8	8	13.54	4.266	13.54	4.647	2.054	34.31%	1.440	22.00%
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	5	5	9.669	2.030	9.669	3.348	1.497	34.63%	1.314	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	4	4	11.46	4.240	11.46	3.949	1.974	34.47%	0.9033	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	4	4	16.71	7.612	16.71	5.700	2.850	34.12%	1.288	22.00%
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	3	3	13.57	1.365	13.57	4.655	3.291	34.31%	4.170	22.00%
600.22	Total Aflatoxin, Vicam Aflatest, LC-FI (ppb)	3	3	11.68	2.311	11.68	4.024	2.323	34.45%	0.7833	22.00%
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	2	2	8.900	6.364						
600.23	Total Aflatoxin, LC-MS (ppb)	2	2	8.918	6.247						
600.99	Total Aflatoxin, Miscellaneous (ppb)	2	2	21.52	9.869						
600.02	Total Aflatoxin, Neogen Veratox Aflatoxin HS (ppb)	1	1	13.35							
600.11	Total Aflatoxin, r-Biopharm Ridascreen Afl total (ppb)	1	1	10.91							
600.15	Total Aflatoxin, Vicam Afla-V (ppb)	1	1	6.700							
600.21	Total Aflatoxin, LC-PCD FI (ppb)	1	1	15.15							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	19	18	11.64	3.832	11.62	4.002	1.179	34.46%	1.557	22.00%
601.20	Aflatoxin B1, LC (ppb)	9	9	9.504	3.920	8.984	3.117	1.299	34.70%	0.4875	22.00%
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	3	3	9.983	3.074	9.983	3.454	1.994	34.60%	0.9200	22.00%
601.16	Aflatoxin B1, RANDOX Biochip Array (ppb)	2	2	15.58	3.228						
601.21	Aflatoxin B1, LC-PCD FI (ppb)	2	2	13.85	0.5021						
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	2	2	14.28	4.013						
601.91	Aflatoxin B1, Romer AgraQuant Afl B1 (ppb)	1	1	13.65							
602.23	Aflatoxin B2, LC-MS/MS (ppb)	17	8	0.9374	0.2536	0.9374	0.3458	0.1528	36.89%	0.1121	22.00%
602.20	Aflatoxin B2, LC (ppb)	8	6	0.8058	0.4871	0.7111	0.2643	0.1349	37.16%	0.0825	22.00%
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	3	3	0.9438	0.3492	0.9438	0.3481	0.2461	36.88%	0.1245	22.00%
602.21	Aflatoxin B2, LC-PCD FI (ppb)	2	2	0.8950	0.0354						
603.16	Aflatoxin G1, RANDOX Biochip Array (ppb)	1	1	2.110							
603.21	Aflatoxin G1, LC-PCD FI (ppb)	1	1	0.1200							
603.20	Aflatoxin G1, LC (ppb)	2		0.0000							

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603.23	Aflatoxin G1, LC-MS/MS (ppb)	15									
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	1		15.00							
604.20	Aflatoxin G2, LC (ppb)	2		0.0000							
604.21	Aflatoxin G2, LC-PCD FI (ppb)	1		0.0100							
604.23	Aflatoxin G2, LC-MS/MS (ppb)	14									
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	1		5.000							
610.23	Deoxynivalenol, LC-MS/MS (ppb)	21	21	1,455	334.3	1,478	446.6	121.8	30.21%	87.00	15.08%
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	9	9	1,781	258.8	1,816	545.8	227.4	30.05%	224.3	14.62%
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	6	6	1,519	375.6	1,583	477.4	243.6	30.16%	67.60	14.93%
610.20	Deoxynivalenol, LC (ppb)	5	5	1,614	122.3	1,614	486.6	217.6	30.14%	90.67	14.88%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	4	4	1,831	331.8	1,831	549.9	275.0	30.04%	150.3	14.61%
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	3	3	2,146	94.35	2,146	641.8	453.8	29.91%	161.3	14.26%
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	2,071	182.4						
610.99	Deoxynivalenol, Miscellaneous (ppb)	2	2	1,752	45.66						
610.02	Deoxynivalenol, Neogen Veratox for DON HS (ppb)	1	1	1,693							
610.09	Deoxynivalenol, Vicam DON-V (ppb)	1	1	1,350							
610.16	Deoxynivalenol, RANDOX Biochip Array (ppb)	1	1	1,925							
610.22	Deoxynivalenol, LC-MS (ppb)	1	1	1,230							
610.25	Deoxynivalenol, GC-MS (ppb)	1	1	2,239							
620.23	Total Fumonisin, LC-MS/MS (ppb)	8	8	1,600	280.0	1,600	482.3	213.2	30.15%	114.2	14.90%
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	7	7	1,588	273.3	1,588	478.7	226.2	30.16%	300.7	14.92%
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	5	5	1,409	404.7	1,409	426.2	190.6	30.25%	105.0	15.19%
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	4	4	2,000	959.9	2,000	599.4	299.7	29.97%	305.0	14.41%
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	3	3	1,865	481.9	1,865	560.0	396.0	30.03%		14.56%
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	3	3	1,219	421.4	1,219	370.3	213.8	30.37%	104.9	15.53%
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	2	2	2,125	247.5						
620.03	Total Fumonisin, Neogen Veratox Fumonisin HS (ppb)	1	1	2,047							
620.08	Total Fumonisin, r-Biopharm Ridascreen Fumonisin (ppb)	1	1	1,750							
620.12	Total Fumonisin, Vicam Fumonitest 200 (ppb)	1	1	950.0							
620.16	Total Fumonisin, RANDOX Biochip Array (ppb)	1	1	1,323							
620.20	Total Fumonisin, LC (ppb)	1	1	1,588							
620.99	Total Fumonisin, Miscellaneous (ppb)	1	1	1,006							
621.23	Fumonsin B1, LC-MS/MS (ppb)	19	19	1,067	322.3	1,045	318.7	91.40	30.50%	82.02	15.89%
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	3	3	896.0	86.11	896.0	274.4	194.0	30.63%	107.4	16.26%
621.20	Fumonsin B1, LC (ppb)	1	1	757.0							
622.23	Fumonisin B2, LC-MS/MS (ppb)	19	19	285.3	75.08	277.1	87.60	25.12	31.62%	27.19	19.41%
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	2	2	277.0	32.53						
623.23	Fumonisin B3, LC-MS/MS (ppb)	12	10	132.3	74.05	114.3	37.02	14.63	32.39%	15.12	22.00%
630.23	Ochratoxin A, LC-MS/MS (ppb)	17	17	60.02	19.52	60.02	19.78	5.997	32.96%	3.846	22.00%
630.20	Ochratoxin A, LC (ppb)	11	11	59.68	17.56	58.67	19.35	7.291	32.98%	5.193	22.00%

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 (Rob R-bar)	Thompson Horwitz %RSD
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	3	3	119.9	149.8	119.9	38.77	22.39	32.34%	3.310	22.00%
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	3	3	51.66	2.284	51.66	17.09	9.868	33.09%	3.030	22.00%
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	2	2	54.26	31.87						
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	2	2	57.29	3.415						
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	2	2	55.69	3.868						
630.06	Ochratoxin A, Vicam OchraTest (ppb)	2	2	47.67	8.722						
630.16	Ochratoxin A, RANDOX Biochip Array (ppb)	1	1	47.57							
630.21	Ochratoxin A, LC-PCD FI (ppb)	1	1	50.20							
630.99	Ochratoxin A, Miscellaneous (ppb)	1	1	45.23							
640.23	T-2 Toxin, LC-MS/MS (ppb)	15	15	103.3	28.32	103.3	33.55	10.83	32.47%	8.990	22.00%
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	2	2	149.1	11.87						
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	2	2	82.28	47.68						
640.21	T-2 Toxin, LC-PCD FI (ppb)	1	1	68.06							
640.25	T-2 Toxin, GC-MS (ppb)	1	1	120.0							
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	1	1	92.25							
640.99	T-2 Toxin, Miscellaneous (ppb)	1	1	99.42							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	13	8	21.20	13.58	19.32	6.565	2.901	33.98%	2.401	22.00%
641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	13.15							
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	4	4	99.09	36.08	99.09	32.22	16.11	32.51%	15.97	22.00%
642.04	T-2 Toxin + HT-2 Toxin, LC-MS (ppb)	3	3	128.5	11.77	128.5	41.48	23.95	32.28%	5.013	21.78%
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	4	3	165.4	7.090	165.4	53.03	37.50	32.06%	5.207	20.97%
642.16	T-2 Toxin + HT-2 Toxin, RANDOX Biochip Array (ppb)	2	2	114.9	21.16						
642.99	T-2 Toxin + HT-2 Toxin, Miscellaneous Technique (ppb)	2	2	140.9	34.36						
650.24	Zearalenone, LC-MS/MS (ppb)	17	15	123.0	32.49	123.7	39.98	12.90	32.32%	14.23	21.91%
650.20	Zearalenone, LC (ppb)	9	9	127.9	24.56	126.0	40.68	16.95	32.30%	5.248	21.85%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	6	6	128.7	17.70	132.9	42.86	21.87	32.25%	6.598	21.67%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	4	3	142.2	24.32	142.2	45.78	32.37	32.19%	5.897	21.45%
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	3	3	160.9	16.92	160.9	51.64	29.81	32.09%	32.63	21.06%
650.99	Zearalenone, Miscellaneous (ppb)	3	3	115.6	97.28	115.6	37.42	26.46	32.38%	7.383	22.00%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	2	2	102.1	63.93						
650.21	Zearalenone, LC-FI, ISO (ppb)	2	2	102.2	1.686						
650.98	Zearalenone, Other Rapid Test Kit (ppb)	2	2	166.4	24.22						
650.05	Zearalenone, r-Biopharm Ridascreen Zearalenon (ppb)	1	1	147.6							
650.16	Zearalenone, RANDOX Biochip Array (ppb)	1	1	135.2							
650.23	Zearalenone, LC-MS (ppb)	1	1	173.5							

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.



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Mycotoxin Contaminants Scheme

Livestock Feed

Test Material Code # 202564

Method Precision Report

Methods Reported: 25

Labs Reporting: 65

Issue Date : 11/30/2025

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)	10	10	11.58	1.714	1.301	1.577	2.045	11.24%	13.62%	17.66%	1.296
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	5	5	9.669	2.030	1.831	1.239	2.211	18.94%	12.81%	22.86%	1.785
600.20	Total Aflatoxin, LC (ppb)	12	11	10.91	3.823	3.655	0.4192	3.679	34.94%	4.01%	35.17%	8.776
600.24	Total Aflatoxin, LC-MS/MS (ppb)	8	8	13.54	4.266	4.191	1.123	4.339	30.95%	8.29%	32.04%	3.864
601.20	Aflatoxin B1, LC (ppb)	9	8	9.504	3.920	2.235	0.3824	2.267	26.60%	4.55%	26.99%	5.930
601.23	Aflatoxin B1, LC-MS/MS (ppb)	19	17	11.64	3.832	3.796	1.241	3.994	33.04%	10.80%	34.76%	3.217
602.20	Aflatoxin B2, LC (ppb)	8	5	0.8058	0.4871	0.1673	0.0491	0.1744	27.12%	7.96%	28.26%	3.552
602.23	Aflatoxin B2, LC-MS/MS (ppb)	17	7	0.9374	0.2536	0.2699	0.0623	0.2770	28.63%	6.61%	29.38%	4.447
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	9	8	1,781	258.8	100.7	150.8	181.3	5.43%	8.13%	9.78%	1.203
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	6	5	1,519	375.6	140.7	52.73	150.3	8.46%	3.17%	9.04%	2.850
610.20	Deoxynivalenol, LC (ppb)	5	5	1,614	122.3	114.0	62.37	130.0	7.06%	3.86%	8.05%	2.084
610.23	Deoxynivalenol, LC-MS/MS (ppb)	21	19	1,455	334.3	273.1	75.82	283.4	18.28%	5.08%	18.98%	3.738
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	7	6	1,588	273.3	212.4	166.3	269.8	13.91%	10.89%	17.67%	1.622
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	5	5	1,409	404.7	400.8	79.12	408.5	28.45%	5.62%	29.00%	5.163
620.23	Total Fumonisin, LC-MS/MS (ppb)	8	8	1,600	280.0	274.0	81.64	285.9	17.13%	5.10%	17.87%	3.502
621.23	Fumonsin B1, LC-MS/MS (ppb)	19	17	1,067	322.3	254.5	64.08	262.4	24.46%	6.16%	25.22%	4.095
622.23	Fumonisin B2, LC-MS/MS (ppb)	19	17	285.3	75.08	57.61	18.67	60.56	21.32%	6.91%	22.41%	3.244
623.23	Fumonisin B3, LC-MS/MS (ppb)	12	9	132.3	74.05	19.05	11.59	22.30	17.37%	10.57%	20.33%	1.924
630.20	Ochratoxin A, LC (ppb)	11	10	59.68	17.56	16.32	3.030	16.60	28.50%	5.29%	28.98%	5.478
630.23	Ochratoxin A, LC-MS/MS (ppb)	17	16	60.02	19.52	19.49	3.424	19.78	33.06%	5.81%	33.56%	5.779
640.23	T-2 Toxin, LC-MS/MS (ppb)	15	15	103.3	28.32	27.76	7.909	28.86	26.88%	7.66%	27.95%	3.649
641.23	HT-2 Toxin, LC-MS/MS (ppb)	13	7	21.20	13.58	7.241	1.666	7.430	42.48%	9.77%	43.59%	4.461
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	6	5	128.7	17.70	4.461	3.614	5.741	3.29%	2.66%	4.23%	1.589
650.20	Zearalenone, LC (ppb)	9	9	127.9	24.56	24.45	3.271	24.67	19.12%	2.56%	19.29%	7.542
650.24	Zearalenone, LC-MS/MS (ppb)	17	15	123.0	32.49	31.11	13.27	33.82	25.30%	10.79%	27.50%	2.549

Notes: Precision Calculations provided for methods with 5 or more labs contributing to calculations.