Table 1: Fusarium Damaged Kernel (FDK) and Deoxynivalenol (DON) Comparisons at Nine MCVET Sites for Various Spring Wheat Classes in 2014

	2014 FDK (%) & DON (ppm)																	
	Arborg		Boissevain		Dauphin		Hamiota		Neepawa		Rosebank		St.Adolphe		Stonewall		Thornhill	
Class / Variety	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**	**FDK**	**DON**
Canada Western Red Spring																		
5605HR CL	1.2	1.2	2.0	1.6	0.5	0.1	0.9	0.4	0.0	0.0	0.2	0.3	0.0	0.7	0.1	0.3	0.6	0.6
AAC Bailey	0.2	0.2	1.2	1.3	0.5	0.2	0.4	0.1	0.6	0.9	0.2	0.6	1.0	0.7	0.4	0.4	0.7	1.3
AAC Brandon	0.8	0.5	1.4	1.1	0.2	0.1	0.5	0.3	0.2	0.4	0.4	0.3	0.0	0.3	0.4	0.2	0.5	0.6
AAC Cameron VB	0.6	0.7	1.3	0.9	0.1	0.1	0.0	0.2	-	-	-	-	-	-	-	-	0.0	0.4
AAC Connery	0.7	0.2	1.6	1.2	0.7	0.4	1.0	0.4	-	-	-	-	-	-	-	-	0.5	0.4
AAC Elie	0.6	0.4	1.6	1.4	0.8	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.4	0.5
AAC Jatharia VB	1.3	1.6	2.5	2.1	0.3	0.2	1.0	0.4	-	-	-	-	-	-	-	-	0.9	1.8
AAC Prevail VB	0.4	0.6	2.5	2.1	0.5	0.3	1.0	0.5	0.1	0.3	0.2	0.5	0.0	0.0	0.1	0.2	1.4	1.8
AAC Redwater	1.3	1.6	3.5	3.1	0.2	0.4	0.0	0.3	0.1	0.0	1.5	1.8	1.0	1.5	0.6	0.5	0.7	0.8
Carberry	0.5	0.4	1.4	1.1	0.5	0.3	0.3	0.2	0.1	0.1	0.5	0.1	0.0	0.3	0.4	0.1	0.6	1.6
Cardale	0.3	0.2	0.9	1.0	0.5	0.4	0.0	0.2	0.1	0.0	0.2	0.2	0.1	0.2	0.3	0.1	0.3	0.3
CDC Bradwell	0.5	0.5	1.6	1.4	0.8	0.7	0.2	0.1	-	-	-	-	-	-	-	-	0.6	0.9
CDC Plentiful	0.8	0.4	5.0	2.6	1.1	0.5	1.0	0.8	0.1	0.1	0.3	0.2	0.0	0.3	0.8	0.4	1.6	0.6
CDC Titanium VB	1.6	1.9	3.0	2.3	0.1	0.1	0.5	0.4	0.4	0.3	1.2	1.1	0.0	0.6	0.5	0.2	2.2	1.9
CDC Utmost VB	1.6	1.7	4.1	4.3	0.2	0.8	1.1	0.7	0.2	0.4	0.5	0.7	1.0	1.5	0.8	1.1	1.8	2.0
CDC VR Morris	0.7	0.9	1.7	1.9	1.0	0.5	0.5	0.4	0.0	0.0	0.1	0.1	0.4	0.4	0.0	0.0	1.9	2.1
Coleman	0.9	1.0	1.5	2.1	0.5	0.2	0.8	0.7	0.1	0.1	0.4	0.4	0.0	0.6	0.3	0.5	1.9	1.3
Glenn	0.7	0.8	1.2	1.4	0.4	0.2	0.2	0.1	0.2	0.1	0.2	0.4	0.0	0.3	0.6	0.5	0.4	0.5
SY433	-	-	-	-	0.2	0.2	0.2	0.1	-	-	-	-	-	-	-	-	0.5	0.4
SY479 VB	1.1	1.3	3.2	2.9	0.3	0.2	0.7	0.5	-	-	-	-	-	-	-	-	1.0	1.1
Thorsby	1.0	0.9	2.8	2.5	1.0	1.0	0.0	0.2	-	-	-	-	-	-	-	-	1.5	1.3
Canada Western Hard White Spring																		
AAC Iceberg	2.1	3.9	3.3	2.4	0.7	1.8	1.0	1.1	0.1	0.4	1.1	1.9	5.0	5.0	0.8	1.2	3.1	4.7
AAC Whitefox	0.5	1.3	2.6	1.6	0.3	0.8	0.0	0.1	0.4	0.4	0.1	0.2	1.0	0.7	0.2	0.4	2.9	4.9
CDC Whitewood	1.7	2.9	5.1	3.6	0.7	1.0	1.0	1.1	0.2	0.3	0.9	1.9	3.0	2.8	0.9	1.4	1.9	4.0
Varieties that have been supported for registration with class designation to be determined by Canadian Grain Commission																		
AAC Tradition	2.4	2.1	1.2	1.6	0.8	1.3	1.4	1.8	-	-	-	-	-	-	-	-	1.6	2.5
SITE GRAND MEAN (% & ppm)	**1.0**	**1.1**	**2.3**	**2.0**	**0.5**	**0.5**	**0.5**	**0.5**	**0.2**	**0.2**	**0.5**	**0.6**	**0.7**	**0.9**	**0.4**	**0.4**	**1.2**	**1.5**
Canada Western Red Spring																		
Glenn	1.7	1.5	1.6	1.8	0.3	0.2	0.3	0.2	0.2	0.3	0.4	0.7	0.3	0.4	0.4	0.1	0.7	0.0
Canada Prairie Spring Red																		
AAC Foray VB	1.2	1.3	5.6	2.4	1.4	1.5	2.4	2.8	0.4	0.6	0.4	0.1	1.3	0.9	0.9	0.5	2.5	0.7
AAC Penhold	1.0	1.0	1.9	2.6	0.8	1.2	1.0	0.6	0.1	0.2	0.3	0.7	0.8	1.5	0.5	0.5	0.4	0.1
AAC Ryley	3.1	2.2	12.5	8.7	1.2	1.6	8.6	7.2	0.7	1.0	1.7	1.0	2.9	2.4	0.5	0.9	5.9	2.0
AAC Tenacious VB	0.1	0.1	0.9	0.8	0.3	0.3	0.2	0.5	0.6	0.8	0.0	0.0	0.0	0.2	0.2	0.0	0.6	0.1
Enchant VB	2.7	2.6	7.7	3.4	1.1	1.9	6.9	4.0	0.1	0.1	1.3	0.5	4.8	3.1	0.2	0.3	4.7	3.8
SY985	-	-	-	-	0.6	1.1	3.4	2.0	-	-	-	-	3.9	4.1	-	-	2.8	4.4
SY995	2.3	2.9	11.6	8.7	1.7	2.3	5.5	3.5	0.3	0.4	0.4	0.8	1.6	2.1	0.9	1.2	4.4	4.2
Canada Western Soft White Spring																		
AAC Chiffon	7.0	3.8	9.0	11.7	6.9	9.0	7.8	10.5	0.1	0.1	0.1	0.1	2.2	3.0	3.5	4.5	15.7	19.0
Canada Western General Purpose																		
AAC Innova	4.6	3.8	4.4	6.8	2.3	4.9	3.9	2.7	0.9	1.6	0.3	0.3	2.5	3.1	1.8	3.4	18.4	23.5
AAC NRG097	3.3	3.2	9.0	5.0	2.2	3.5	5.1	3.5	0.1	0.0	0.5	0.8	1.6	1.9	1.6	1.5	2.2	0.5
AAC Proclaim	0.4	0.8	1.8	2.4	0.3	0.2	1.2	0.7	0.1	0.3	0.0	0.0	0.1	0.1	0.1	0.0	0.6	0.1
SY087	0.7	0.4	2.2	0.9	0.3	0.6	1.0	0.7	0.1	0.1	0.3	0.2	0.1	0.2	0.0	0.2	0.3	0.0
WFT 603	1.7	1.9	4.3	2.9	1.5	0.4	3.8	2.0	-	-	-	-	-	-	-	-	2.9	1.0
SITE GRAND MEAN (% & ppm)	**2.3**	**2.0**	**5.6**	**4.5**	**1.5**	**2.1**	**3.6**	**2.9**	**0.3**	**0.5**	**0.5**	**0.4**	**1.7**	**1.8**	**0.9**	**1.1**	**4.4**	**4.2**

- Manitoba Wheat and Barley Growers Association provided funding to conduct analysis of 2014 samples.
- BioVision Seed Labs conducted FDK and DON analysis.
- Manitoba Crop Variety Evaluation Team (MCVET) & contractors provided samples.