

Fusarium Damaged Kernel (FDK) and Deoxynivalenol (DON) Comparisons at 9 MCVET Sites for Spring Wheat Varieties in 2022

Class/Variety (FHB Resistance level)	2022 FDK (%) and DON ¹ (ppm)																	
	Arborg		Beausejour		Brandon		Carberry		Dauphin		Hamiota		Melita		Rosebank		Souris	
	FDK	DON	FDK	DON	FDK	DON	FDK	DON	FDK	DON	FDK	DON	FDK	DON	FDK	DON	FDK	DON
Canada Western Red Spring																		
AAC Brandon (MR)	0.04	bdl	0.09	bdl	0.03	bdl	0.10	bdl	0.05	bdl	0.36	2.1	0.25	bdl	0.02	bdl	1.80	1.7
AAC Darby VB (I)	0.04	bdl	0.16	bdl	0.25	bdl	0.40	0.6	0.13	bdl	2.71	3.6	0.22	bdl	0.00	bdl	2.94	3.2
AAC Dutton (MR)	0.00	bdl	-	-	-	-	-	-	0.04	bdl	0.11	0.9	-	-	-	-	0.77	1.5
AAC Hassler (I)	0.20	bdl	-	-	-	-	-	-	0.11	bdl	3.06	3.6	-	-	-	-	1.65	1.6
AAC Hockley (MR)	0.04	bdl	0.02	bdl	0.03	bdl	0.00	bdl	0.00	bdl	0.48	1.4	0.04	bdl	0.02	bdl	1.16	1.5
AAC Hodge VB (MR)	0.02	bdl	0.09	bdl	0.06	bdl	0.20	bdl	0.07	bdl	0.12	1.0	0.04	bdl	0.00	bdl	0.66	1.3
CDC Silas (I)	0.02	bdl	0.00	bdl	0.08	bdl	0.30	bdl	0.16	bdl	0.73	1.8	0.30	bdl	0.02	bdl	0.97	0.8
SY Cast (I)	0.00	bdl	0.08	bdl	0.03	bdl	0.00	bdl	0.02	bdl	1.47	2.5	0.10	bdl	0.08	bdl	1.67	1.8
SY Donald VB (MR)	0.00	bdl	0.04	bdl	0.02	bdl	0.10	bdl	0.00	bdl	0.78	1.0	0.09	bdl	0.08	bdl	0.82	1.7
SY Manness (I)	0.00	bdl	0.16	bdl	0.17	bdl	0.10	bdl	0.06	bdl	0.76	1.8	0.13	bdl	0.02	bdl	1.27	1.8
Canada Prairie Spring Red																		
AAC Perform (MS)	0.02	bdl	-	-	-	-	-	-	0.01	bdl	0.61	1.2	-	-	-	-	0.94	0.5
AAC Rimbey VB (I)	0.00	bdl	0.12	bdl	0.12	bdl	0.20	bdl	0.10	bdl	0.97	2.4	0.18	bdl	0.00	bdl	1.96	1.7
CDC Reign (I)	0.04	bdl	0.12	bdl	0.02	bdl	0.20	bdl	0.15	bdl	0.86	1.5	0.50	bdl	0.08	bdl	1.54	1.1
Canada Northern Hard Red																		
Shelly (I)	0.00	bdl	0.11	bdl	0.15	bdl	0.10	bdl	0.11	bdl	0.64	1.4	0.10	0.6	0.10	bdl	1.13	1.0
Canada Western Hard White Spring																		
AAC Tomkins (I)	0.00	bdl	0.40	bdl	0.12	bdl	0.20	bdl	0.05	bdl	1.53	3.7	0.14	bdl	0.08	bdl	1.69	4.2
AAC Whitehead VB (I)	0.00	bdl	0.24	bdl	0.02	bdl	0.10	bdl	0.16	bdl	0.61	1.7	0.00	bdl	0.00	bdl	0.57	1.8
Varieties supported for registration by the PRCWRT																		
PT5003 (I)	0.02	bdl	0.09	bdl	0.20	bdl	0.30	bdl	0.10	bdl	0.40	1.7	0.20	bdl	0.06	bdl	1.66	2.3
Grand Mean²	0.03	bdl	0.12	bdl	0.09	bdl	0.16	bdl	0.08	bdl	0.95	1.96	0.16	bdl	0.04	bdl	1.36	1.74

¹Detection limit >0.5 ppm and <5.0 ppm. Entries reporting <0.5 ppm DON are reported as bdl (below detection limit).

²DON grand mean is the site average for entries where DON was detected.

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