

Table 10. 2008-2009 Fusarium head scab evaluation of variety test entries at Urbana.

Varieties with greater head scab resistance have lower rating or index numbers.

Company	Entry Name	2009					2008						
		Incidence	Severity	Kernel	FHB	ISK	Incidence	Severity	Kernel	FHB	ISK	Winter	
				Rating	Index	Index			Rating	Index	Index	Survival	DON
		(%)	(%)	(%) FDK(0-100)	(0-100)	(%)	(%)	(%) FDK(0-100)	(0-100)	(%)	(ppm)		
AgriPro COKER	Branson	100	76	53	76	74	98	63	57	62	71	63	15.2
AgriPro COKER	M03-3104B	97	49	63	47	69	--	--	--	--	--	--	--
AgriPro COKER	M04-4566	99	67	83	67	83	--	--	--	--	--	--	--
AgriPro COKER	W1377	93	44	40	42	57	95	56	43	53	63	100	11.4
Beck's Hybrids	Beck 113	87	35	40	30	53	--	--	--	--	--	--	--
Beck's Hybrids	Beck 122	83	65	43	54	62	97	84	57	81	77	100	30.1
Beck's Hybrids	Beck 164	97	52	57	51	67	95	76	75	72	81	100	25.3
Diener Seeds, Inc.	Diener 496	100	88	78	88	88	98	81	77	79	84	70	31.2
Diener Seeds, Inc.	Diener XW70	68	48	35	35	49	--	--	--	--	--	--	--
Diener Seeds, Inc.	Diener XW80	100	77	72	77	82	--	--	--	--	--	--	--
Excel Brand Seed	Excel 170	92	30	37	28	51	--	--	--	--	--	--	--
Excel Brand Seed	Excel 173	93	61	43	57	64	98	39	35	38	55	25	8.8
Excel Brand Seed	Excel 180	92	34	22	31	46	77	35	30	28	46	100	6.0
Excel Brand Seed	Excel 209	90	36	37	33	52	75	31	27	23	43	100	5.1
Excel Brand Seed	Excel 234	73	33	27	27	43	--	--	--	--	--	--	--
Excel Brand Seed	Excel 286	82	71	42	59	63	--	--	--	--	--	--	--
Excel Brand Seed	Excel 307	92	51	50	47	63	--	--	--	--	--	--	--
Excel Brand Seed	Excel 341	83	42	33	37	51	--	--	--	--	--	--	--
Excel Brand Seed	Excel 343	88	51	45	45	60	92	40	50	36	59	37	13.8
Excel Brand Seed	Excel 351 TW	85	50	37	45	55	--	--	--	--	--	--	--
Excel Brand Seed	Excel 367	80	46	33	35	51	87	37	37	33	52	100	12.2
Excel Brand Seed	Excel 399	88	50	33	45	55	--	--	--	--	--	--	--
Excel Brand Seed	Excel 442	80	48	22	39	47	92	50	27	45	53	100	12.8
GROWMARK	FS 618	73	60	30	42	52	97	48	43	47	61	52	9.2
GROWMARK	FS 628	85	64	37	53	59	98	69	70	68	78	93	25.1
GROWMARK	FS 637	100	80	70	80	82	--	--	--	--	--	--	--
GROWMARK	FS 659	97	67	57	65	72	--	--	--	--	--	--	--
GROWMARK	W09-1	87	37	25	32	47	--	--	--	--	--	--	--
Kaltenberg Seeds	KW62	80	64	38	52	59	--	--	--	--	--	--	--
Kaltenberg Seeds	KW63	100	80	62	80	79	--	--	--	--	--	--	--
Kaltenberg Seeds	KW70	43	14	22	6	26	--	--	--	--	--	--	--
Kaltenberg Seeds	KW75	93	54	47	50	63	--	--	--	--	--	--	--
Kitchen Seed Co.	KSC 407W	80	45	35	35	51	--	--	--	--	--	--	--
Kitchen Seed Co.	KSC 409W	93	26	28	24	47	--	--	--	--	--	--	--
Lewis Hybrids	Lewis 830	80	61	42	48	59	92	68	70	64	76	100	25.4
Lewis Hybrids	Lewis 835	92	20	23	18	43	--	--	--	--	--	--	--
Lewis Hybrids	Lewis 841	100	88	57	88	79	97	82	73	79	83	100	43.5
Pioneer Hi-Bred Int'l	Pio 25R39	95	51	53	48	65	--	--	--	--	--	--	--
Pioneer Hi-Bred Int'l	Pio 25R47	100	74	70	74	80	97	48	73	47	73	100	38.6
Pioneer Hi-Bred Int'l	Pio 25R54	85	48	30	39	52	98	66	50	65	69	80	18.7
Pioneer Hi-Bred Int'l	Pio 25R56	92	36	60	34	62	82	72	47	59	65	100	19.1
Pioneer Hi-Bred Int'l	Pio 25R62	98	44	67	44	70	97	68	43	66	67	100	39.5
Pioneer Hi-Bred Int'l	Pio 25R78	80	63	57	49	66	--	--	--	--	--	--	--
Pro Seed Genetics	PRO 200	93	53	37	49	59	--	--	--	--	--	--	--
Pro Seed Genetics	PRO 240	83	62	35	52	58	--	--	--	--	--	--	--
Public	Kaskaskia	93	58	52	54	66	98	64	50	63	69	100	26.8
University of Illinois	94-1653	90	49	35	44	56	92	55	37	50	59	87	14.4
Virginia Tech	Jamestown	87	44	43	38	57	--	--	--	--	--	--	--
Virginia Tech	Roane	93	29	35	27	51	90	34	40	30	53	77	13.4
Wilkin Seed Grains	Wilken W 103	85	69	47	58	65	85	55	67	47	69	100	35.0
Wilkin Seed Grains	Wilken W 106	76	40	37	29	50	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 110	93	43	37	40	56	88	61	43	55	62	63	12.4
Wilkin Seed Grains	Wilken W 130	97	44	43	42	59	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 135	85	48	37	41	55	88	53	37	47	57	77	13.8
Wilkin Seed Grains	Wilken W 137	93	56	37	53	60	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 161	77	52	28	38	50	83	51	38	43	56	100	10.8
Wilkin Seed Grains	Wilken W 204	77	61	52	47	62	--	--	--	--	--	--	--
	Test Average	87	52	42	45	59	92	58	50	53	65	83	19.1
	LSD (0.05)	19	21	13	20	11	13	23	17	24	12	26	10.2

Data are from Dr. Fred Kolb's wheat breeding program, and include some of the varieties entered into the wheat variety trial.

The test nursery was inoculated and mist irrigated. Three replications were evaluated.

Incidence = the percent of heads in a row with symptoms.

Kernel rating = the percent of shriveled seed.

Varieties with greater resistance have lower numbers.