

**2004 Fusarium head scab evaluation of variety test entries at Urbana.**

Company	Entry Name	2004					2003				
		Incidence	Severity	Kernel Rating	FHB Index	ISK Index	Incidence	Severity	Kernel Rating	FHB Index	ISK Index
		(%)	(%)	(%) FDK	(0-100)	(0-100)	(%)	(%)	(0 - 9)	(0 - 100)	(0-100)
Agripro Wheat	Benton	50	36	60	18	50	--	--	--	--	--
Agripro Wheat	Douglas	73	41	60	30	58	--	--	--	--	--
Diener Seeds	D 491 W	25	43	27	11	31	65	43	4	28	34
Diener Seeds	D 498 W	15	41	33	6	30	57	25	2	14	25
Diener Seeds	D 500 W	33	40	33	15	35	61	45	3	28	33
Diener Seeds	D 502 W	13	42	23	6	26	--	--	--	--	--
Excel Brand Seeds	Excel 201	5	38	30	2	25	24	27	3	7	16
Excel Brand Seeds	Excel 211	11	44	30	5	29	60	35	3	22	30
Excel Brand Seeds	Excel 273	15	38	23	6	25	--	--	--	--	--
Excel Brand Seeds	Excel 307	16	44	40	8	34	40	18	3	7	19
Excel Brand Seeds	Excel 333	6	32	40	2	27	76	39	4	30	36
Excel Brand Seeds	Excel 355	11	47	37	5	32	--	--	--	--	--
Excel Brand Seeds	Excel 400-1	25	42	20	10	28	53	33	4	17	27
Growmark	FS 539	32	42	33	14	35	96	29	5	28	39
Growmark	FS 621	13	49	47	6	37	97	55	7	53	48
Growmark	FS 652	73	46	67	33	62	92	56	5	52	47
IFSI	F 334W	12	32	30	4	25	47	24	2	12	22
IFSI	F 344W	37	39	37	15	37	--	--	--	--	--
IFSI	F 350W	22	42	33	10	32	--	--	--	--	--
Lewis Hybrids	Lewis 855	15	48	37	7	34	--	--	--	--	--
Lewis Hybrids	Lewis 857	25	41	33	10	33	72	32	3	23	33
Lewis Hybrids	Lewis 864	13	34	33	5	28	45	31	2	14	24
Merschman Seeds, Inc	Barbie VII	12	44	20	5	25	--	--	--	--	--
Merschman Seeds, Inc	Genie IX	11	38	30	5	27	--	--	--	--	--
Pioneer Hi-Bred Int'l	Pio 25R37	48	27	40	13	39	85	35	5	30	38
Pioneer Hi-Bred Int'l	Pio 25R47	67	30	43	20	46	91	31	8	28	40
Pioneer Hi-Bred Int'l	Pio 25R49	60	40	73	24	59	84	44	8	37	42
Pioneer Hi-Bred Int'l	Pio 25R78	50	41	47	21	46	90	43	7	39	43
Public	Cardinal	28	42	30	11	33	73	31	6	23	34
Public	Clark	18	42	47	7	37	82	47	5	38	41
Public	Ernie	3	24	17	1	15	54	15	4	8	22
Public	INW0304	32	36	30	11	32	--	--	--	--	--
Public	Kaskaskia	75	39	30	29	46	75	41	5	31	37
Public	Madison	78	46	60	37	61	96	48	8	46	46
Public	McCormick	28	38	40	10	36	84	30	5	25	36
Public	Patterson	43	48	43	20	45	53	37	5	20	29
Public	Roane	33	21	27	7	27	99	35	4	35	42
Public	Sisson	77	30	63	23	57	95	52	8	49	47
Public	Truman	3	18	30	1	18	--	--	--	--	--
Royster-Clark	Tribute	60	42	50	26	51	95	44	6	42	44
Syngenta Seeds	Coker 9312	32	32	43	9	36	--	--	--	--	--
Syngenta Seeds	Coker 9375	67	52	60	34	60	--	--	--	--	--
Syngenta Seeds	Coker 9474	35	16	23	7	25	89	31	3	27	37
Syngenta Seeds	Coker 9663	75	36	37	27	48	96	49	6	47	46
Wilken Seed Grains, Inc	Wilken 154	45	44	43	20	44	--	--	--	--	--
Wilken Seed Grains, Inc	Wilken 204	27	36	40	9	35	--	--	--	--	--
	Test Average	34	38	39	13	37	74	37	5	29	35
	LSD (0.05)	23	14	18	10	12	14	14	1	14	--

These data on selected varieties from the U of I trials are from Dr. Fred Kolb's breeding program.

The test nursery was inoculated and mist irrigated. Three replications of 3' rows were evaluated.

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

Severity = the percent of spikelets in a head with symptoms.

Kernel rating = the percent of shriveled seed.

FHB Index = incidence x severity/100.

**Varieties with greater resistance have lower numbers.**

ISK Index combines incidence, severity, and the % shriveled seed.