

**Table 10. 2005 - 2006 Fusarium head scab evaluation of variety test entries at Urbana.
Varieties with greater resistance have lower numbers.**

Company	Entry Name	2006						2005					
		Incidence	Severity	Kernel Rating	FHB Index	ISK Index	DON	Incidence	Severity	Kernel Rating	FHB Index	ISK Index	DON
		(%)	(%)	(%) FDK	(0-100)	(0-100)	(ppm)	(%)	(%)	(%) FDK	(0-100)	(0-100)	(ppm)
AgriPro COKER	Benton	81.7	69.4	70	57.0	73.3	17.5	65.0	51.6	53	37.1	56.3	5.2
AgriPro COKER	Branson	70.0	78.6	43	54.8	61.9	10.8	--	--	--	--	--	--
AgriPro COKER	Cooper	65.0	66.0	53	42.7	60.7	10.5	93.3	54.7	60	51.0	68.4	5.9
AgriPro COKER	Coker 9312	85.0	54.7	43	46.2	59.3	9.8	73.3	50.2	40	37.5	53.1	5.0
AgriPro COKER	Coker 9436	70.0	55.7	53	37.2	59.0	13.8	95.0	54.1	53	51.8	66.1	7.4
AgriPro COKER	Coker 9511	60.0	11.0	22	6.2	30.0	4.0	--	--	--	--	--	--
AgriPro COKER	Coker 9553	73.3	76.2	60	55.7	68.9	15.0	--	--	--	--	--	--
Excel Brand Seeds	Excel 173	41.7	40.6	33	20.9	38.0	5.0	--	--	--	--	--	--
Excel Brand Seeds	Excel 176	60.0	66.9	25	40.1	48.1	6.8	--	--	--	--	--	--
Excel Brand Seeds	Excel 211	50.0	55.2	27	27.1	42.2	4.5	10.0	42.5	20	3.0	23.7	3.3
Excel Brand Seeds	Excel 307	40.0	47.6	27	21.3	36.9	4.3	24.3	46.3	40	10.6	37.2	2.5
Excel Brand Seeds	Excel 361	55.0	34.8	13	23.8	32.3	1.3	--	--	--	--	--	--
Excel Brand Seeds	Excel 392	81.7	75.6	60	61.4	71.2	16.5	68.3	61.9	47	42.1	57.7	5.9
Excel Brand Seeds	Excel 399	51.7	65.3	20	34.1	43.1	4.0	48.3	56.3	33	28.0	44.8	3.1
Excel Brand Seeds	Excel 400-1	35.0	55.2	30	19.7	39.1	8.0	30.0	63.6	40	19.5	44.1	2.7
Excel Brand Seeds	Excel 410 tw	60.0	56.7	43	33.9	52.3	8.0	38.3	62.6	33	21.1	43.6	3.2
Excel Brand Seeds	Excel 442	33.3	60.2	27	20.6	38.7	5.5	--	--	--	--	--	--
GROWMARK	FS 634	41.7	62.3	25	26.9	41.2	8.0	25.0	52.3	30	16.0	35.2	2.4
GROWMARK	FS 637	93.3	74.6	67	69.3	77.0	8.5	--	--	--	--	--	--
GROWMARK	FS 645	60.0	40.6	30	24.1	42.2	7.5	--	--	--	--	--	--
GROWMARK	FS 657	78.3	85.3	60	66.6	73.1	18.3	--	--	--	--	--	--
GROWMARK	FS 8302	61.7	60.5	50	37.9	56.7	13.5	76.7	57.9	63	42.6	65.7	5.8
GROWMARK	FS 8309	53.3	42.1	37	23.1	43.3	4.5	31.7	38.2	43	11.4	38.3	4.9
JGL	JGL 603	56.7	56.5	37	31.7	48.6	7.0	--	--	--	--	--	--
JGL	JGL 604	66.7	60.6	63	40.5	63.5	14.5	--	--	--	--	--	--
Ohio Seed Imp. Assn.	Bravo	73.3	58.8	37	43.6	54.3	14.8	75.0	64.9	33	47.7	55.3	3.5
Pioneer Hi-Bred Int'l	Pio 25R37	76.7	42.4	53	32.8	57.1	14.0	90.0	31.1	53	27.0	57.7	4.5
Pioneer Hi-Bred Int'l	Pio 25R47	75.0	63.7	43	47.3	58.9	18.3	91.7	47.4	53	44.2	63.0	23.0
Pioneer Hi-Bred Int'l	Pio 25R51	26.7	16.6	30	4.4	25.0	6.0	--	--	--	--	--	--
Pioneer Hi-Bred Int'l	Pio 25R54	56.7	42.4	27	27.1	40.4	9.3	80.0	51.6	47	43.4	58.2	7.1
Pioneer Hi-Bred Int'l	Pio 25R63	56.7	63.2	47	37.3	54.7	21.5	--	--	--	--	--	--
Pioneer Hi-Bred Int'l	Pio 25R78	70.0	80.7	47	56.5	63.9	15.5	93.3	65.3	33	60.2	60.9	6.2
Public	Cardinal	70.0	72.5	53	50.3	64.1	12.3	38.3	44.9	53	18.0	46.3	4.8
Public	Ernie	33.3	44.7	7	14.9	26.1	3.5	43.3	52.1	37	19.7	43.3	2.6
Public	Kaskaskia	61.7	60.1	38	38.2	51.8	12.8	86.7	57.5	43	50.0	60.6	4.5
Public	Madison	76.7	73.0	70	56.3	72.9	10.8	96.7	67.1	60	64.8	73.1	4.2
Public	McCormick	71.7	59.3	37	43.1	54.0	10.3	95.0	40.5	37	38.4	55.3	5.0
Public	Patterson	73.3	82.0	33	58.4	59.9	11.0	58.3	66.4	33	40.2	50.8	3.8
Public	Roane	66.7	47.8	27	34.6	45.0	5.0	63.3	32.6	30	20.4	40.8	3.2
Public	Sisson	96.7	54.8	57	53.5	68.1	17.0	88.3	49.7	63	43.6	66.7	13.5
Public	Truman	53.3	62.8	15	34.6	40.9	1.8	23.3	14.7	47	3.4	30.1	5.1
	Test Average	60.1	56.3	37.9	35.7	50.1	9.4	58.7	54.1	42.5	33.1	50.8	
	LSD (0.05)	26.3	21.5	19.2	19.6	14.6	6.0	31.6	22.4	23.7	21.4	16.8	

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.