

2004 Indiana Winter Wheat and Spring Oat Performance Trial Results, Tables 1 through 10.

Table 1. Results of winter wheat performance trials in Porter Co., Location 1, north west Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. (3)	Lodg- ing (4)	Plant ht. (5)	Win. kill (6)	Date headed (7)
	bu./A.	lb./bu.	%	in.	%	
Three-year average, 2002, 2003, 2004						
v Sisson Public	100.8 *	58.3	0	33	0	5-16
v Roane Public	97.1 *	60.7	0	34	0	5-20
v Bravo OSIA	93.8 *	59.7	0	38	0	5-18
v Hopewell Public	86.5	57.6	0	37	0	5-22
v Patterson Public	81.6	59.5	0	36	0	5-16
Grand mean	92.0	59.2	0	36	0	5-18
B LSD (k=100)	10.2	2.1	ns	2	ns	2
C.V. (%)	6.7	0.7		3		2
Two-year average, 2003, 2004						
v McCormick Public	102.0 *	60.1	0	32	0	5-14
v Benton Agripro	101.5 *	56.7	0	34	0	5-17
v Sisson Public	100.7 *	56.9	0	32	0	5-13
v Bravo OSIA	100.3 *	59.2	0	37	0	5-14
v Roane Public	100.1 *	59.5	0	33	0	5-17
v Douglas Agripro	99.5 *	54.7	0	36	0	5-17
v Daisy OSIA	96.2 *	57.5	0	36	0	5-16
v Hopewell Public	93.6 *	56.1	0	37	0	5-18
v Patterson Public	86.2	58.7	1	35	0	5-13
Grand mean	97.8	57.7	0	35	0	5-15
B LSD (k=100)	12.0	2.7	ns	2	ns	1
C.V. (%)	7.1	1.0	530	3		2
2004 results (3)						
v McCormick Public	94.6 *	60.4	0	32	0	5-10
v Roane Public	93.3 *	59.0	0	34	0	5-13
v Sisson Public	92.8 *	57.0	0	32	0	5-09
v Bravo OSIA	90.2 *	59.6	0	36	0	5-11
v Benton Agripro	88.4 *	56.5	0	33	0	5-13
v Hopewell Public	86.3 *	54.9	0	37	0	5-14
v Douglas Agripro	85.1 *	53.2	0	35	0	5-14
v Madison Public	83.3 *	56.5	1	36	0	5-12
v Daisy OSIA	81.7 *	57.9	0	35	0	5-13
v Patterson Public	78.0	59.3	1	35	0	5-10
Grand mean	87.4	57.4	0	35	0	5-12
B LSD (k=100)	15.3	1.0	ns	2	ns	1
C.V. (%)	9.2	1.3	468	4		2

Table 1 contd. Results of winter wheat performance trials in Porter Co., Location 1, north west Indiana.

- (1) Lower-case letters indicate entry type as follows: v-variety, b-brand, m-mixture (blend), h-hybrid.
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) Conducted on the Pinney Purdue Agricultural Center, Wanatah.
Jon D. Leuck, superintendent.
Randomized complete block design: 4 blocks.
Soil type: Runnymede silt loam.
Soil test: pH 6.4, P 93 ppm (very high), K 198 ppm (high).
Fertility program: 300 lbs./acre 8-32-16 broadcast and incorporated prior to seeding. Top-dressed March 10, 2004 with 300 lbs./acre of 34-0-0.
Rates of seeding: 1.5 to 1.8 million live seeds per acre.
Date of seeding: October 11, 2003.
Date of harvest: June 30, 2004.
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Table 2. Results of winter wheat performance trials in Tippecanoe Co., Location 2, west central Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. (3)	Lodg- ing (4)	Plant ht. (5)	Win. kill (6)	Date headed (7)
	bu./A.	lb./bu.	%	in.	%	
Three-year average, 2002, 2003, 2004						
v Sisson Public	91.3 *	56.1	5	34	0	5-10
v NK Coker 9663	87.4 *	56.8	12	39	0	5-12
v Roane Public	86.3 *	58.2	10	35	0	5-13
v Bravo OSIA	85.9 *	56.8	3	39	0	5-11
v Patterson Public	81.8	56.4	14	38	0	5-11
v NK Coker 9474	79.4	58.6	0	35	0	5-12
v Hopewell Public	70.9	55.6	13	38	0	5-15
Grand mean	83.3	56.9	8	37	0	5-12
BLSD (k=100)	7.0	1.7	ns	2	ns	1
C.V. (%)	7.2	1.1	141	4		2
Two-year average, 2003, 2004						
v Sisson Public	98.8 *	54.7	8	33	0	5-08
v Roane Public	94.6 *	57.5	15	34	0	5-10
v NK Coker 9663	93.2 *	55.5	18	39	0	5-09
v NK Coker 9375	92.0 *	53.3	20	38	0	5-10
v McCormick Public	91.4 *	56.6	19	34	0	5-09
v NK Coker 9312	91.3 *	55.7	29	31	0	5-08
v Bravo OSIA	90.1 *	55.8	4	39	0	5-08
v NK Coker 9474	89.2 *	57.5	0	35	0	5-09
v Patterson Public	88.4 *	54.9	21	37	0	5-08
v Daisy OSIA	88.2 *	53.7	18	36	0	5-10
v Hopewell Public	76.8	53.5	19	38	0	5-12
Grand mean	90.4	55.3	16	36	0	5-09
BLSD (k=100)	16.6	1.3	ns	2	ns	1
C.V. (%)	7.3	1.1	96	4		1
2004 results (3)						
b Wiley Steyer	96.9 *	58.3	6	37	0	5-07
v Sisson Public	92.3 *	56.4	9	35	0	5-06
v Roane Public	88.8 *	59.0	28	36	0	5-08
v NK Coker 9663	86.8	57.1	28	40	0	5-07
v McCormick Public	85.1	58.8	38	37	0	5-08
v Bravo OSIA	83.8	57.3	8	41	0	5-07
b Besecker Steyer	81.7	56.5	31	42	0	5-09
v NK Coker 9375	80.2	54.7	38	42	0	5-08
v NK Coker 9474	77.8	59.0	0	36	0	5-08
v Patterson Public	77.6	57.6	40	41	0	5-07
v NK Coker 9312	75.8	57.2	58	33	0	5-06
v Madison Public	73.8	53.3	16	39	0	5-08
v Daisy OSIA	70.3	55.0	34	39	0	5-09
v Hopewell Public	67.3	54.8	39	40	0	5-10

Table 2 contd. Results of winter wheat performance trials in Tippecanoe Co., Location 2, west central Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. (3)	Lodg- ing (4)	Plant ht. (5)	Win. kill (6)	Date headed (7)
	bu./A.	lb./bu.	%	in.	%	
Grand mean	81.3	56.8	27	38	0	5-08
BLSD (k=100)	9.8	0.8	32	2	ns	1
C.V. (%)	8.5	1.1	73	4		1

- (1) Lower-case letters indicate entry type as follows: v-variety, b-brand, m-mixture (blend), h-hybrid.
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- (2) Yields followed by an asterisk (*) are not statistically significantly different from the highest yield in the sub-table.
- (3) Conducted on the Purdue University Agronomy Center for Research and Education, Lafayette. James J. Beaty III, superintendent.
Randomized complete block design: 4 blocks.
Soil type: Drummer (Chalmers) silt loam.
Soil test: pH 6.8, P 57 ppm (very high), K 154 ppm (medium).
Fertility program: 200 lbs./acre 18-46-0 broadcast and incorporated prior to seeding. Top-dressed March 10, 2004 with 300 lbs./acre of 34-0-0.
Rates of seeding: 1.5 to 1.8 million live seeds per acre.
Date of seeding: October 1, 2003.
Date of harvest: June 23, 2004.

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Table 3. Results of late-seeded winter wheat performance trials in Tippecanoe Co., Location 2, west central Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. lb./bu.	Lodging %	Planting ht. in.	Win. %	Date headed
	bu./A.		%	in.	%	
Three-year average, 2002, 2003, 2004						
v Sisson Public	91.7 *	56.5	14	33	0	5-15
v Roane Public	85.5 *	58.9	7	33	0	5-17
v Patterson Public	81.6 *	57.3	14	38	0	5-15
Grand mean	86.3	57.6	12	35	0	5-16
BLSD (k=100)	ns	ns	ns	1	ns	1
C.V. (%)	7.6	0.8	82	4		2
Two-year average, 2003, 2004						
v McCormick Public	98.1 *	57.0	6	33	0	5-13
v Sisson Public	92.9 *	54.7	21	32	0	5-11
v Roane Public	89.4 *	58.2	11	32	0	5-13
v Patterson Public	85.5 *	55.6	21	37	0	5-11
Grand mean	91.5	56.4	15	34	0	5-12
BLSD (k=100)	ns	ns	ns	1	ns	ns
C.V. (%)	7.3	0.8	74	4		2
2004 results (3)						
v McCormick Public	89.2 *	57.1	13	35	0	5-09
v Daisy OSIA	88.7 *	56.3	1	37	0	5-11
v Roane Public	86.7 *	58.3	4	35	0	5-10
v Bravo OSIA	84.9 *	56.2	10	39	0	5-09
v Hopewell Public	84.3	53.5	14	40	0	5-13
v Patterson Public	81.3	57.6	26	39	0	5-09
v Sisson Public	80.1	54.7	3	34	0	5-09
v Madison Public	67.7	52.4	14	39	0	5-10
Grand mean	82.9	55.8	11	37	0	5-10
BLSD (k=100)	4.4	1.0	13	2	ns	1
C.V. (%)	3.9	1.3	79	4		2

Table 3 contd. Results of late-seeded winter wheat performance trials in Tippecanoe Co., Location 2, west central Indiana.

- (1) Lower-case letters indicate entry type as follows: v-variety, b-brand, m-mixture (blend), h-hybrid. Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) Conducted on the Purdue University Agronomy Center for Research and Education, Lafayette. James J. Beaty III, superintendent. Randomized complete block design: 4 blocks. Soil type: Drummer (Chalmers) silt loam. Soil test: pH 6.2, P 55 ppm (very high), K 158 ppm (medium). Fertility program: 200 lbs./acre 18-46-0 broadcast and incorporated prior to seeding. Top-dressed March 10, 2004 with 300 lbs./acre of 34-0-0. Rate of seeding: 1.5 to 1.8 million live seeds per acre. Date of seeding: October 21, 2003. Date of harvest: June 23, 2004. (Copyright 2004 Purdue Research Foundation)

Table 4. Results of winter wheat performance trials in Randolph Co., Location 3, east central Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. (3)	Lodging % (4)	Planting ht. (5)	Win. kill (6)	Date headed (7)
	bu./A.	lb./bu.	%	in.	%	
Three-year average, 2002, 2003, 2004						
v Bravo OSIA	90.1 *	58.6	0	36	1	5-18
v Sisson Public	90.1 *	57.4	3	32	4	5-18
v Roane Public	88.0 *	60.5	3	33	2	5-19
v Hopewell Public	83.1 *	57.6	5	35	4	5-21
v Patterson Public	80.7	57.5	1	35	1	5-17
Grand mean	86.4	58.3	2	34	2	5-19
B LSD (k=100)	8.7	2.0	ns	3	ns	2
C.V. (%)	6.5	0.7	151	5	135	1
Two-year average, 2003, 2004						
v Daisy OSIA	96.6 *	55.5	3	34	0	5-16
v NK Coker 9312	96.5 *	56.7	6	30	0	5-14
v Bravo OSIA	95.2 *	57.2	0	36	0	5-15
v Sisson Public	93.3 *	55.8	4	31	0	5-13
v Roane Public	90.8 *	59.2	5	32	0	5-15
v Hopewell Public	90.6 *	56.5	8	35	0	5-17
v NK Coker 9375	90.4 *	54.6	3	35	0	5-15
v McCormick Public	88.0 *	58.4	8	31	0	5-14
v Patterson Public	82.7 *	55.6	1	35	0	5-13
Grand mean	91.6	56.6	4	33	0	5-15
B LSD (k=100)	ns	2.1	ns	2	ns	3
C.V. (%)	5.6	0.9	122	4		2
2004 results(3)						
v Daisy OSIA	95.5 *	56.5	0	34	0	5-14
v Bravo OSIA	95.4 *	57.3	0	36	0	5-13
v Hopewell Public	93.5 *	56.9	0	35	0	5-14
v Roane Public	92.9 *	59.0	0	32	0	5-14
v Sisson Public	92.0 *	56.6	0	32	0	5-13
v NK Coker 9312	90.0 *	57.1	0	30	0	5-13
v NK Coker 9375	84.8	55.2	0	36	0	5-13
v Patterson Public	83.9	57.6	0	36	0	5-12
v Madison Public	82.9	54.9	0	36	0	5-14
v McCormick Public	78.4	59.0	0	31	0	5-13
Grand mean	88.9	57.0	0	34	0	5-13
B LSD (k=100)	7.5	0.8	ns	2	ns	1
C.V. (%)	5.8	1.1		4		2

Table 4 contd. Results of winter wheat performance trials in Randolph Co., Location 3, east central Indiana.

- Lower-case letters indicate entry type as follows: v-variety, b-brand, m-mixture (blend), h-hybrid. Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- Conducted on the Davis Purdue Agricultural Center, Farmland. Jeffrey L. Boyer, superintendent. Randomized complete block design: 4 blocks. Soil type: Blount silty clay loam. Soil test: pH 6.3, P 59 ppm (very high), K 161 ppm (high). Fertility program: 410 lbs./acre 5-11-40 broadcast and incorporated prior to seeding. Top-dressed March 12, 2004 with 300 lbs./acre of 34-0-0. Rates of seeding: 1.5 to 1.8 million live seeds per acre. Date of seeding: October 13, 2003. Date of harvest: June 29, 2004. (Copyright 2004 Purdue Research Foundation)

Table 5. Results of winter wheat performance trials in Knox Co., Location 4, south west Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. (3)	Lodging % (4)	Planting ht. (5)	Win. kill (6)	Date headed (7)
	bu./A.	lb./bu.	%	in.	%	
Three-year average, 2002, 2003, 2004						
v Sisson Public	76.3 *	56.3	34	36	0	5-02
v Roane Public	70.7 *	59.0	32	36	0	5-06
v Rebekah Exsegen	68.1 *	56.7	32	37	0	5-04
v Abigail Exsegen	67.7 *	56.3	33	33	0	5-01
v Sarah Exsegen	66.5 *	53.8	20	41	0	5-08
v Esther Exsegen	66.3 *	56.3	29	38	0	5-03
v Hopewell Public	60.1	55.6	29	37	0	5-08
v Bravo OSIA	59.7	58.1	33	39	0	5-04
v Patterson Public	58.0	57.1	31	40	0	5-03
Grand mean	65.9	56.6	30	37	0	5-04
BLSD (k=100)	14.0	3.7	ns	2	ns	2
C.V. (%)	9.3	1.6	34	4		2

Two-year average, 2003, 2004						
v McCormick Public	79.6 *	57.5	50	36	0	5-03
v Sisson Public	79.3 *	55.5	49	37	0	5-02
v Abigail Exsegen	74.3 *	55.9	49	34	0	5-01
v Roane Public	74.0 *	58.1	48	36	0	5-06
v Hopewell Public	71.9 *	54.8	44	38	0	5-07
v Rebekah Exsegen	71.2 *	55.5	48	38	0	5-04
v Daisy OSIA	70.0 *	54.2	50	38	0	5-06
v Esther Exsegen	69.6 *	55.4	44	38	0	5-02
v Sarah Exsegen	68.4 *	51.6	29	42	0	5-07
v Bravo OSIA	64.8 *	56.9	49	39	0	5-04
v Patterson Public	62.5	56.0	47	39	0	5-02
Grand mean	71.4	55.6	46	38	0	5-04
BLSD (k=100)	16.6	5.5	ns	2	ns	4
C.V. (%)	10.2	1.9	25	5		2

2004 results (3)						
b Wiley Steyer	72.9 *	54.6	90	39	0	5-01
v Sisson Public	67.7 *	51.8	96	37	0	5-01
v McCormick Public	65.5 *	54.7	100	35	0	5-02
v Abigail Exsegen	61.4 *	52.4	98	33	0	4-30
v Esther Exsegen	60.4 *	53.2	85	39	0	5-02

Table 5 contd. Results of winter wheat performance trials in Knox Co., Location 4, south west Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. (3)	Lodging % (4)	Planting ht. (5)	Win. kill (6)	Date headed (7)
	bu./A.	lb./bu.	%	in.	%	
2004 results continued (3)						
v Roane Public	59.3	55.4	96	37	0	5-03
v Rebekah Exsegen	58.1	52.1	96	38	0	5-02
v Judith Exsegen	56.8	53.4	99	41	0	5-02
v Hopewell Public	55.3	51.5	88	39	0	5-05
v Benton Agripro	54.4	51.0	96	37	0	5-03
v Madison Public	54.0	50.7	76	42	0	5-01
v Bravo OSIA	53.9	55.1	84	40	0	5-01
b Besecker Steyer	51.9	53.3	99	43	0	5-03
v Sarah Exsegen	51.1	52.7	56	43	0	5-06
v Daisy OSIA	50.3	50.6	100	39	0	5-03
v Patterson Public	39.3	52.5	93	40	0	5-02
Grand mean	57.0	52.8	91	39	0	5-02
BLSD (k=100)	12.9	1.7	24	3	ns	1
C.V. (%)	14.8	2.3	16	5		3

- Lower-case letters indicate entry type as follows:
v-variety, b-brand, m-mixture (blend),
h-hybrid.
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- Yields followed by an asterisk (*) are not statistically, significantly different from the highest yield in the sub-table.
- Conducted on the Southwest Purdue Agricultural Center, Vincennes.
Melborn K. Lang, superintendent.
Randomized complete block design: 4 blocks.
Soil type: Ade fine sandy loam.
Soil test: pH 6.4, P 56 ppm (very high),
K 184 ppm (high).
Fertility program: 300 lbs./acre 11-0-40
broadcast and incorporated prior to seeding.
Top-dressed March 15, 2004 with 300 lbs./acre of 34-0-0.
Rates of seeding: 1.4 to 1.8 million live seeds per acre.
Date of seeding: October 6, 2003.
Date of harvest: June 24, 2004.
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Table 6. Results of winter wheat performance trials in Jennings Co., Location 5, south east Indiana.

Entry Type and Name (1)	Yield est. (2)	Test wt. lb./bu.	Lodging %	Planting ht. in.	Win. kill %	Date headed
	bu./A.	lb./bu.	%	in.	%	
Three-year average, 2002, 2003, 2004						
v Roane Public	78.9 *	57.2	7	34	0	5-13
v Sisson Public	74.1 *	54.5	1	33	0	5-09
v Patterson Public	73.9 *	55.9	5	37	0	5-10
v Bravo OSIA	73.8 *	55.5	2	37	0	5-10
v Hopewell Public	66.3	53.0	1	37	0	5-15
Grand mean	73.4	55.2	3	36	0	5-11
B LSD (k=100)	9.1	3.2	ns	2	ns	4
C.V. (%)	9.2	1.2	128	4		2
Two-year average, 2003, 2004						
v Roane Public	81.9 *	56.6	11	35	0	5-10
v Rebekah Exsegen	80.2 *	56.5	4	36	0	5-09
v Bravo OSIA	77.4 *	55.9	3	38	0	5-09
v Patterson Public	76.8 *	56.3	8	37	0	5-09
v Esther Exsegen	76.6 *	54.9	3	36	0	5-08
v Daisy OSIA	75.6 *	54.0	1	36	0	5-11
v Sarah Exsegen	75.0 *	49.1	0	42	0	5-15
v McCormick Public	74.8 *	55.2	10	34	0	5-10
v Sisson Public	74.5 *	54.5	1	34	0	5-08
v Abigail Exsegen	73.3	55.4	0	33	0	5-08
v Hopewell Public	65.3	51.6	1	38	0	5-12
Grand mean	75.6	54.5	4	36	0	5-10
B LSD (k=100)	8.6	7.5	ns	2	ns	2
C.V. (%)	6.8	1.3	122	5		1
2004 results (3)						
v Roane Public	86.3 *	58.8	20	36	0	5-10
v Bravo OSIA	84.4 *	56.9	3	39	0	5-09
v Rebekah Exsegen	82.0 *	56.5	8	38	0	5-09
v Esther Exsegen	81.9 *	55.6	5	36	0	5-08
v Daisy OSIA	78.5	53.9	3	38	0	5-09
v Patterson Public	78.0	56.5	15	39	0	5-08
v McCormick Public	77.5	57.9	20	35	0	5-09
v Sisson Public	76.3	56.2	0	34	0	5-07
v Abigail Exsegen	75.6	56.1	0	33	0	5-07
v Sarah Exsegen	73.2	55.4	0	44	0	5-13
v Judith Exsegen	72.7	55.6	5	41	0	5-10
v Madison Public	72.6	54.2	18	38	0	5-09
v Hopewell Public	65.9	53.1	3	40	0	5-10
Grand mean	77.3	55.9	8	38	0	5-09
B LSD (k=100)	5.2	0.4	10	2	ns	1
C.V. (%)	4.9	0.6	87	3		1

Table 6 contd. Results of winter wheat performance trials in Jennings Co., Location 5, south east Indiana.

- (1) Lower-case letters indicate entry type as follows: v-variety, b-brand, m-mixture (blend), h-hybrid.
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) Conducted on the Southeast Purdue Agricultural Center, Butlerville.
Donald J. Biehle, superintendent.
Randomized complete block design: 4 blocks.
Soil type: Avonburg.
Soil test: pH 6.4, P 22 ppm (medium), K 193 ppm (high).
Fertility program: 524 lbs./acre 7-17-38 broadcast and incorporated prior to seeding. Top-dressed March 12, 2004 with 300 lbs./acre of 34-0-0.
Rates of seeding: 1.4 to 1.8 million live seeds per acre.
Date of seeding: October 7, 2003.
Date of harvest: June 24, 2004.
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Table 7. Results of winter wheat performance trials averaged across four Indiana locations; 1) Porter, 2) Tippecanoe 3) Randolph, and 5) Jennings Counties.

Entry Type and Name	Yield est.(1)	Yield (2)	Test wt.	Lodging %	Planting ht.	Win. kill	Date headed
	bu./A.	lb./bu.	%	in.	%		
Three-year average, 2002, 2003, 2004							
v Sisson	Public	89.1 *	56.6	2	33	1	5-13
v Roane	Public	87.6 *	59.1	5	34	0	5-16
v Bravo	OSIA	85.9 *	57.6	1	37	0	5-14
v Patterson	Public	79.5	57.3	5	37	0	5-13
v Hopewell	Public	76.7	55.9	5	37	1	5-18
Grand mean		83.8	57.3	4	36	0	5-15
B LSD (k=100)		5.9	1.3	ns	2	ns	2
C.V. (%)		7.5	1.0	188	4	404	2
Two-year average, 2003, 2004							
v Roane	Public	91.8 *	58.2	8	33	0	5-13
v Sisson	Public	91.8 *	55.5	3	32	0	5-10
v Bravo	OSIA	90.8 *	57.0	2	37	0	5-11
v Daisy	OSIA	89.2 *	55.2	5	35	0	5-13
v McCormick	Public	89.1 *	57.6	9	33	0	5-12
v Patterson	Public	83.5 *	56.4	8	36	0	5-11
v Hopewell	Public	81.6	54.4	7	37	0	5-15
Grand mean		88.3	56.3	6	35	0	5-12
B LSD (k=100)		9.2	1.6	ns	1	ns	1
C.V. (%)		7.0	1.0	139	4		2
2004 results							
v Roane	Public	90.3 *	59.0	12	34	0	5-11
v Bravo	OSIA	88.4 *	57.8	3	38	0	5-10
v Sisson	Public	88.3 *	56.6	2	33	0	5-09
v McCormick	Public	83.9 *	59.0	14	34	0	5-10
v Daisy	OSIA	81.5 *	55.8	9	36	0	5-11
v Patterson	Public	79.4	57.7	14	38	0	5-09
v Hopewell	Public	78.3	54.9	10	38	0	5-12
v Madison	Public	78.1	54.7	9	37	0	5-10
Grand mean		83.5	56.9	9	36	0	5-10
B LSD (k=100)		10.0	1.1	15	1	ns	1
C.V. (%)		7.5	0.9	122	4		2

Table 7 contd. Results of winter wheat performance trials averaged across four Indiana locations; 1) Porter, 2) Tippecanoe 3) Randolph, and 5) Jennings Counties.

- (1) Lower-case letters indicate entry type as follows:
v-variety, b-brand, m-mixture (blend), h-hybrid.
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Other names are company or brand names, generally associated in the trade, with variety, brand, hybrid or blend names.
- (2) Yields followed by an asterisk (*) are not statistically, significantly different from the highest yield in the sub-table.
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Table 8. Results of spring oat performance trials in Porter Co., Location 1, north west Indiana.

Entry Type and Name (1)		Yield est. (2)	Test wt. (3)	Lodg- ing (4)	Plant ht. (5)	Date headed (6)
		bu./A.	lb./bu.	%	in.	
Three-year average, 2002, 2003, 2004						
v INO 9201	Public	108.6 *	35.3	5	36	6-08
v Classic	Public	107.8 *	34.6	17	38	6-11
v Jay	Public	105.4 *	35.7	0	36	6-12
Grand mean		107.3	35.2	7	37	6-10
BLSD (k=100)		ns	ns	ns	1	2
C.V. (%)		8.3	1.9	126	3	1
Two-year average						
v INO 9201	Public	118.2 *	36.0	7	39	6-06
v Classic	Public	117.2 *	35.1	24	41	6-09
v Jay	Public	113.3 *	37.2	1	39	6-09
Grand mean		116.2	36.1	11	40	6-08
BLSD (k=100)		ns	ns	ns	2	2
C.V. (%)		8.5	1.5	105	4	2
2004 results (3)						
v INO 9201	Public	148.7 *	35.3	13	40	6-02
v Classic	Public	140.7 *	34.5	49	43	6-05
v Jay	Public	128.7 *	35.7	1	41	6-06
Grand mean		139.4	35.2	21	41	6-04
BLSD (k=100)		ns	1.1	28	ns	1
C.V. (%)		9.8	1.7	75	4	2

Table 8 contd. Results of spring oat performance trials in Porter Co., Location 1, north west Indiana.

- (1) The lower-case letter “v” preceding the entry name indicates entry is a variety. Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
- (2) Yields followed by an asterisk (*) are not statistically, significantly different from the highest yield in the sub-table.
- (3) Conducted on the Pinney-Purdue Agricultural Center, Wanatah. Jon D. Leuck, superintendent. Randomized complete block design: 4 blocks. Soil type: Runnymede silt loam. Soil test: pH 5.7, P 83 ppm (very high), K 186 ppm (high). Fertility program: 400 lbs./acre 19-19-19 broadcast and incorporated prior to seeding. Rate of seeding: 1.69 million live seeds or approximately 144 lbs./acre. Date of seeding: April 5 2004. Date of harvest: July 15, 2004. (Copyright 2004 Purdue Research Foundation)

Table 9. Results of spring oat performance trials in Tippecanoe Co., Location 2 west central Indiana.

Entry Type and Name (1)		Yield est. (2)	Test wt. (3)	Lodg- ing (4)	Plant ht. (5)	Date headed (6)
		bu./A.	lb./bu.	%	in.	
Three-year average, 2002, 2003, 2004						
v INO 9201	Public	129.4 *	34.2	56	40	5-30
v Classic	Public	125.3 *	34.2	34	43	6-01
v Jay	Public	124.2 *	35.9	27	39	6-02
Grand mean		126.3	34.8	39	41	6-01
BLSD (k=100)		ns	0.6	ns	3	1
C.V. (%)		7.9	1.2	35	4	3
Two-year average, 2003, 2004						
v INO 9201	Public	129.6 *	33.8	46	41	6-07
v Jay	Public	121.6 *	35.4	28	40	6-10
v Classic	Public	119.8 *	33.8	29	44	6-09
Grand mean		123.7	34.3	34	42	6-09
BLSD (k=100)		ns	1.0	ns	ns	1
C.V. (%)		8.4	1.3	34	4	3
2004 results(3)						
v INO 9201	Public	108.5 *	31.9	5	41	6-06
v Classic	Public	96.0 *	31.7	28	44	6-08
v Jay	Public	92.4 *	33.1	4	41	6-09
Grand mean		99.0	32.2	12	42	6-08
BLSD (k=100)		ns	0.9	11	3	2
C.V. (%)		13.1	1.6	53	4	4

Table 9 contd. Results of spring oat performance trials in Tippecanoe Co., Location 2 west central Indiana.

- (1) The lower-case letter “v” preceding the entry name indicates entry is a variety. Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 - (2) Yields followed by an asterisk (*) are not statistically, significantly different from the highest yield in the sub-table.
 - (3) Conducted on the Purdue University Agronomy Center for Research and Education, Lafayette. James J. Beaty III, superintendent. Randomized complete block design: 4 blocks. Soil type: Drummer (Chalmers) silt loam. Soil test: pH 6.8, P 26 ppm (medium), K 225 ppm (high). Fertility program: 28 percent nitrogen solution, surface applied prior to seeding, to provide 80 lbs./acre of nitrogen. Rate of seeding: 1.69 million live seeds or approximately 144 lbs./acre. Date of seeding: April 6, 2004. Date of harvest: July 15, 2004.
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Table 10. Results of spring oat performance trials averaged across two Indiana locations; 1) Porter and 2) Tippecanoe Counties.

Entry Type and Name (1)		Yield est. (2)	Test wt. lb./bu.	Lodging %	Planting ht. in.	Date headed
Three-year average, 2002, 2003, 2004						
v INO 9201	Public	119.0 *	34.8	30	38	6-03
v Classic	Public	116.5 *	34.4	25	41	6-06
v Jay	Public	114.8 *	35.8	14	38	6-07
Grand mean		116.8	35.0	23	39	6-05
B LSD (k=100)		ns	ns	ns	2	1
C.V. (%)		8.1	1.6	51	3	2
Two-year average, 2003, 2004						
v INO 9201	Public	123.9 *	34.9	26	40	6-06
v Classic	Public	118.5 *	34.5	27	43	6-09
v Jay	Public	117.4 *	36.3	14	40	6-09
Grand mean		119.9	35.2	22	41	6-08
B LSD (k=100)		ns	1.5	ns	ns	1
C.V. (%)		8.4	1.4	52	4	2
2004 results						
v INO 9201	Public	128.6 *	33.6	9	41	6-04
v Classic	Public	118.4	33.1	38	44	6-06
v Jay	Public	110.5	34.4	3	41	6-08
Grand mean		119.2	33.7	17	42	6-06
B LSD (k=100)		8.4	0.7	25	1	2
C.V. (%)		11.2	1.6	73	4	3

- (1) The lower-case letter “v” preceding the entry name indicates entry is a variety.
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

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