

Table 1. Performance of oat cultivars at Lafayette and Wanatah, IN, 2010. ¹

Cultivar	Grain yield	Rank	Test weight	Heading date	Plant height	BYDV	Straw score
	bu/a		lb/bu	Julian	in.	0-9 ²	0-9 ³
Classic	158.5	2	30.4	151.7	39.5	6.5	5.8
Jay	142.6	6	31.8	150.7	35.8	5.0	4.0
Excel	160.8	1	30.5	150.7	39.3	2.0	4.3
Robust	141.1	7	29.5	154.0	39.5	3.0	5.0
Woodburn	150.4	5	33.2	146.7	37.0	6.0	3.8
Buckskin	153.6	4	34.0	149.3	37.0	4.0	4.8
Tack	156.4	3	32.5	151.0	38.8	4.5	5.5
No. replications	8		1 ⁴	3 ⁵	4 ⁵	3 ⁶	4 ⁵
Location means	151.9		31.7	150.6	38.1	4.4	4.7
CV %	21.4			0.7	10.9	8.5	32.1
LSD _{0.05}	32.7			1.7	6.1	0.9	2.2

¹Four replications for yield at each location.

²0=no barley yellow dwarf virus symptoms to 9=severe leaf yellowing/reddening & plant stunting.

³0=no lodging to 9=whole plot lodged flat.

⁴One determination, at Lafayette only.

⁵Two observations at each location.

⁶Three observations at Lafayette; hill plots infested with viruliferous aphids. No natural infection in yield plots.

Table 2. Performance of oat cultivars at Lafayette and Wanatah, 2009-2010. ¹

Cultivar	Grain yield	Rank	Test weight	Heading date	Plant height	BYDV	Straw score
	bu/a		lb/bu	Julian	in.	0-9 ²	0-9 ³
Classic	161.6	4	33.8	153.6	41.3	5.0	4.7
Jay	149.7	6	35.7	153.3	37.9	3.7	3.6
Excel	166.6	1	34.3	153.1	41.0	2.8	3.6
Robust	149.3	7	34.3	156.4	40.9	3.3	4.1
Woodburn	162.6	3	36.7	149.1	39.4	4.0	3.6
Buckskin	161.6	5	37.8	152.0	39.0	3.5	4.3
Tack	165.3	2	36.7	153.5	41.4	4.0	5.1
No. replications	15		3	7	7	6	7
Location means	159.6		35.6	153.0	40.1	3.8	4.1
CV %	17.411		10.107	1.633	10.165	30.141	34.078
LSD _{0.05}	20.244		6.304	2.670	4.399	1.329	1.523

¹Four replications for yield at each location/year, except 3 replications at Wanatah, 2009.

Table 3. Performance of oat cultivars at Lafayette and Wanatah, Indiana, 2008, 2009 and 2010. ¹

Cultivar	Grain yield	Rank	Test Weight	Heading date	Plant height	BYDV (0-9)	Straw score
	bu/A		lb/bu	Julian	in.		
Classic	157.5	4	34.7	156.0	40.7	4	4.7
Jay	148.3	6	36.4	156.5	37.1	3.3	3.6

Excel	160.2	1	35.5	155.7	40.6	2.8	3.6
Robust	145.1	7	35.7	158.1	40.1	2.6	4.1
Woodburn	158.3	3	36.7	152.5	39.0	4	3.6
Buckskin	157.0	5	37.8	156.7	39.0	3.7	4.3
Tack	158.8	2	36.7	157.3	41.4	3.5	5.1
No. replications	23		5	11	10	10	7
Location means	155.1		36.1	156.2	39.7	3.4	4.1
CV %	15.4		8.4	2.8	9.3	33.1	34.1
LSD _{0.05}	14.0		4.3	3.6	3.5	1.0	1.5

¹Four replications for yield at each location/year, except 3 replications at Wanatah, 2009.