2014/2015 WSU-Mount Vernon Waterlogged Soil Winter Wheat Variety Trial

Variety	Block 1		Block 2		Block 3		Block 4		average of blocks 1-4			
	Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank	Yield	T. wt.	Protein	Yield stats*
Bobtail	114.2	1	133.9	1	129.8	2	83.1	11	115.2	55.5	10.5	Α
Colonia	98.0	6	111.2	4	117.5	5	129.7	1	114.1	56.3	10.7	Α
W7	90.9	9	110.2	5	145.4	1	98.5	2	111.2	54.3	11.2	Α
Estica	92.7	8	117.7	2	117.7	4	97.5	3	106.4	55.1	10.0	AB
NW 553	98.6	4	111.9	3	123.0	3	87.1	9	105.2	59.1	11.5	AB
Ovation	98.8	3	95.5	10	111.5	6	96.5	5	100.6	58.0	10.4	ABC
Barok	109.1	2	78.7	18	111.0	7	87.8	8	96.7	54.8	10.8	ABCD
Rosalyn	77.4	14	105.1	7	105.4	8	91.2	7	94.8	54.0	9.7	ABCDE
Cara	98.6	5	85.0	16	95.0	11	78.9	13	89.4	56.2	11.2	BCDEF
Skagit 1109	88.2	10	81.2	17	87.8	15	97.3	4	88.6	56.8	11.1	BCDEF
Madsen	73.9	15	95.4	11	100.4	9	82.1	12	87.9	56.4	10.1	BCDEF
Cashup	59.1	19	98.4	9	98.0	10	94.2	6	87.4	56.9	10.4	BCDEF
Skiles	86.0	11	93.7	12	79.4	16	85.1	10	86.0	56.7	10.4	BCDEF
NSA10-7208	85.0	12	93.5	13	88.8	13	67.6	16	83.7	55.8	10.3	CDEF
W4	68.9	17	100.7	8	88.1	14	74.3	14	83.0	50.7	12.2	CDEF
Biancor	94.1	7	92.7	14	90.4	12	51.5	19	82.2	57.1	10.2	CDEF
Pactole	80.9	13	86.5	15	72.2	17	73.1	15	78.2	55.5	11.3	DEF
Crescent	62.6	18	107.4	6	70.6	19	60.1	18	75.2	55.0	10.6	EF
Renan	70.0	16	73.6	19	71.2	18	61.9	17	69.2	54.6	12.0	F
Druchamp	26.7	20	25.7	20	46.2	20	24.6	20	30.8	55.0	12.1	G
Average	83.7		94.9		97.5		81.1		89.3	55.7	10.8	
CV %									16.4	2.5		
LSD (α=.05)									20.7	2.0		

^{*} Varieties with the same letter are not significantly different.

The nursery was set up in randomized complete blocks. The waterlogging was not uniform across all four blocks. However, the fourth block was in standing water the longest.

Block 1 Block 2	Block 3	Block 4
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The reported results are a snapshot of the response of the varieties trialed in one location under the environmental conditions of the 2014/2015 growing season. This trial is being repeated for the 2015/2016 season.

For additional information contact Steve Lyon (slyon@wsu.edu).

For additional variety testing results visit: http://thebreadlab.wsu.edu/western-washington-variety-trials/

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