

Table 2. Wheat milling quality parameters for hard winter wheat varieties included in the 2015-2016 Oklahoma Wheat Variety Performance Tests at Lahoma and Chickasha, OK. Shaded values fall outside the target for a performance attribute. Except for NIR and SKCS hardness, the top 25 percent of observations within a performance attribute are signified in boldface.

Variety	Milling quality						
	Wheat protein %	NIR Hardness	SKCS Hardness	SKCS Kernel weight mg	SKCS Kernel diameter mm	QS Flour yield (OSU) %	QS flour yield (ARS) %
1863	12.5	75	67	32.0	2.64	60.8	70.6
AG Robust	12.1	88	74	33.7	2.71	58.4	69.6
Avery	11.8	70	63	30.4	2.60	60.7	72.9
Bentley	13.1	72	62	33.3	2.73	63.0	72.5
Billings	12.9	89	70	39.4	2.88	61.5	70.9
Brawl CL Plus	13.2	81	63	33.3	2.75	61.5	71.9
Byrd	11.9	72	60	30.0	2.53	64.5	73.9
Doublestop CL Plus	12.9	86	74	36.5	2.85	61.1	70.3
Duster	12.3	82	79	28.7	2.55	58.5	70.1
Endurance	12.0	72	63	32.9	2.67	60.4	71.7
Everest	12.4	75	60	34.2	2.78	62.5	71.5
Gallagher	12.1	83	77	36.7	2.86	62.6	70.7
Iba	12.0	65	55	32.2	2.72	64.8	72.2
Joe (hw)	12.3	86	59	34.2	2.71	60.1	70.8
KanMark	12.3	87	70	31.9	2.71	62.9	71.4
Larry	12.6	78	67	34.0	2.80	64.7	72.0
LCS Chrome	13.3	90	79	27.5	2.45	57.4	69.0
LCS Mint	12.2	81	65	32.3	2.58	61.8	71.9
LCS Pistol	12.7	55	55	27.9	2.48	54.9	66.8
LCS Wizard	12.6	95	77	30.7	2.67	59.8	71.2
Long Branch	12.9	91	79	29.9	2.45	57.3	68.7
NF 101	12.7	73	59	32.7	2.74	63.5	72.0
Oakley CL	12.8	86	72	33.7	2.68	60.3	70.4
OK Rising	13.1	77	70	32.4	2.71	62.5	72.0
OK09915C-1	13.2	92	75	39.2	2.97	58.5	69.4
OK12912C	12.7	70	53	34.8	2.76	55.9	66.2
Ruby Lee	13.0	69	60	38.2	2.93	61.6	72.5
Smith's Gold	13.0	89	71	36.1	2.77	60.7	71.2
SY Drifter	12.7	80	71	32.0	2.75	65.7	73.3
SY Flint	12.2	86	69	32.2	2.73	63.0	71.4
SY Grit	12.2	83	63	36.3	2.86	64.3	72.4
SY Llano	11.9	75	66	32.6	2.70	64.3	72.2
SY Monument	12.5	78	74	31.1	2.65	64.4	71.7
SY Razor	13.2	102	76	37.2	2.94	60.4	69.6
SY Wolf	12.6	77	71	34.2	2.71	62.6	71.1
T158	12.0	77	60	36.2	2.80	62.0	72.1
TAM 112	12.3	89	69	35.2	2.75	57.6	70.6
TAM 114	12.5	83	68	32.0	2.61	61.0	71.7
TAM 204	12.6	76	70	29.9	2.59	61.7	72.0
Tatanka	12.0	88	67	30.9	2.57	63.6	72.4
WB4303	12.8	80	66	34.8	2.70	62.3	70.3
WB4458	13.1	75	63	34.8	2.85	62.5	71.0
WB4515	13.2	67	63	28.3	2.51	62.4	71.1
WB4721	13.3	66	64	30.5	2.58	62.9	70.4
WB-Cedar	12.6	78	55	37.6	2.78	63.0	71.0
WB-Grainfield	12.9	79	71	29.0	2.49	61.3	69.6
Winterhawk	12.0	79	65	33.2	2.68	63.5	72.3
Zenda	12.6	75	65	31.8	2.66	61.4	70.6
Mean	12.6	80	67	33.1	2.70	61.5	71.0
LSD (0.05)	0.5	7	4	2.3	0.09	2.6	2.0
CV	8.6	10.3	12.9	10.2	5.37	4.7	2.3
Target range	≥12.0	≥60	≥60	≥30.0	≥2.50	≥58.0	≥68.0

hw=white wheat variety