



2016-2017 Oklahoma Wheat Variety Performance Tests Protein Summary

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Table 1. Wheat protein content (12% moisture basis) of varieties and experimental lines tested in the 2016-2017 Oklahoma Wheat Variety Performance Tests.

Source	Variety	% wheat protein									
		Afton	Altus	Alva	Apache	Apache Fungicide	Balko	Buffalo	Cherokee	Chickasha	Chickasha IWM
AGSECO	AG Icon	-	14.0	-	-	-	-	-	-	12.4	12.2
AGSECO	AG Robust	-	13.4	-	-	-	-	-	-	12.7	12.2
PlainsGold	Avery	-	-	11.1	-	-	13.0	8.9	10.3	-	-
OGI	Bentley	12.7	11.6	10.6	9.4	10.7	12.9	11.3	10.5	10.2	10.8
OGI	Billings	12.9	12.8	-	-	-	-	-	-	12.0	11.9
Syngenta	Bob Dole	-	11.9	-	-	-	-	-	-	11.8	12.4
PlainsGold	Brawl CL Plus	-	-	10.0	-	-	13.0	10.7	11.1	-	-
PlainsGold	Byrd	-	-	9.8	-	-	13.6	9.0	9.9	-	-
OGI	Doublestop CL Plus	13.6	12.7	10.3	12.3	11.6	13.6	12.5	11.1	11.8	12.0
OGI	Duster	12.7	12.2	10.3	11.2	10.7	13.8	11.0	10.7	11.7	11.8
OSU	Endurance	12.9	12.1	10.8	11.2	11.1	14.2	10.4	10.3	12.3	12.1
OGI	Gallagher	12.7	10.7	10.9	9.9	10.3	13.4	10.5	10.2	11.4	11.7
AGSECO	Hot Rod	-	12.3	-	-	-	-	-	-	10.9	11.7
OGI	Iba	11.7	11.6	10.9	10.1	9.9	13.9	10.2	10.6	10.9	11.0
KWA	Joe	13.2	11.4	11.0	-	-	13.1	10.7	10.0	11.9	11.9
PlainsGold	Langin	-	-	10.3	-	-	12.8	8.9	10.0	-	-
KWA	Larry	13.6	12.0	10.3	-	-	13.3	9.6	10.1	11.7	11.6
LCS	LCS Chrome	13.6	13.6	11.0	10.8	10.7	11.8	11.6	10.6	11.8	12.4
LCS	LCS Mint	12.0	10.6	11.0	10.1	9.9	13.1	9.5	10.0	11.7	12.0
LCS	LCS Pistol	12.8	11.4	11.4	10.1	9.9	14.1	10.1	10.8	11.3	11.7
LCS	LCS Wizard	-	11.6	-	-	-	-	-	-	11.3	11.4
OGI	Lonerider	13.2	-	9.9	-	-	13.0	9.9	-	-	-
Dyna-Gro	Long Branch	-	12.6	-	-	-	-	-	-	11.0	12.1
OGI	NF 101	-	12.0	-	-	-	-	-	-	11.4	11.8
OGI	Ruby Lee	13.4	11.4	11.4	10.5	10.7	13.8	11.2	10.8	12.0	12.2
OGI	Smith's Gold	-	10.7	12.4	9.8	10.1	13.1	-	10.4	11.0	11.4
OGI	Spirit Rider	-	-	-	-	-	13.0	-	10.2	-	-
OGI	Stardust	-	12.0	-	-	-	-	-	-	12.4	12.6
Syngenta	SY Achieve CL2	-	12.3	-	-	-	-	-	-	11.9	11.8
Syngenta	SY Benefit	12.6	11.1	-	-	-	-	-	-	10.6	11.3
Syngenta	SY Drifter	-	12.4	-	-	-	-	-	-	11.9	11.9
Syngenta	SY Flint	13.2	11.7	-	11.2	11.0	-	-	-	11.5	11.7
Syngenta	SY Grit	-	11.0	-	-	-	-	-	-	11.4	12.0
Syngenta	SY Llano	13.3	11.6	-	11.5	11.2	-	-	-	11.7	11.5
Syngenta	SY Monument	12.7	-	11.2	-	-	13.5	10.6	10.4	-	-
Syngenta	SY Razor	-	12.3	-	11.2	10.9	-	-	-	11.6	12.2
Syngenta	SY Rugged	-	12.2	-	-	-	-	-	-	12.3	11.2
LCS	T158	-	11.0	-	-	-	-	-	-	10.9	11.0
Watley Seed	TAM 112	-	-	10.8	-	-	13.5	9.6	10.3	-	-
AGSECO	TAM 114	-	11.9	-	-	-	-	-	-	10.1	11.4
Watley Seed	TAM 204	13.4	12.1	11.7	10.3	10.5	13.6	10.1	10.3	11.0	10.6
KWA	Tatanka	12.4	10.7	11.1	-	-	13.6	9.7	10.1	10.2	10.9
WestBred	WB4269	-	12.2	-	-	-	-	-	-	11.8	11.7
WestBred	WB4303	-	12.2	-	-	-	-	-	-	11.4	11.7
WestBred	WB4458	14.0	11.9	-	10.2	10.5	-	-	-	12.0	12.8
WestBred	WB4515	-	12.3	-	-	-	-	-	-	11.2	11.8
WestBred	WB4721	-	11.8	-	-	-	-	-	-	11.1	11.4
WestBred	WB-Cedar	13.6	12.1	11.7	-	-	14.4	10.8	9.9	11.4	11.8
WestBred	WB-Grainfield	12.5	12.6	12.2	9.2	9.3	14.0	10.0	9.8	9.9	10.9
WestBred	Winterhawk	-	11.2	12.5	9.6	10.0	13.8	10.7	10.1	10.8	12.0
KWA	Zenda	-	11.0	-	-	-	-	-	-	10.6	12.1
OSU Experimentals											
	OK11755W-9W	-	11.6	-	-	-	-	-	-	-	-
	OK11D25005	-	-	-	-	-	-	-	10.3	-	-
	OK12206-2	13.3	-	10.5	-	-	-	-	10.1	-	-
	OK12621	12.5	-	-	-	-	-	-	-	-	-
	OK12716R/W	12.6	12.3	11.0	10.8	11.8	12.6	9.9	10.2	11.6	11.6
	OK12912C-2	-	13.1	11.0	11.3	11.4	-	-	-	-	-
	OK12D22002-077	12.8	12.0	10.3	10.7	10.6	13.3	-	-	11.3	11.9
	OK12D22004-016	13.2	-	-	-	-	-	-	-	-	-
	OK13209	12.8	13.9	10.2	11.1	10.4	-	-	-	11.7	11.2
	OK13621	-	12.4	-	-	-	-	-	-	11.6	11.6
	OK14319	12.9	-	-	-	-	-	-	10.3	-	-
	Mean	13.0	12.0	10.9	10.6	10.6	13.4	10.3	10.3	11.4	11.7
	LSD (0.05)	1.0	1.4	0.9	1.0	1.2	NS	0.9	NS	1.1	NS

Notes: Shaded values are not statistically different from the highest value within a column (i.e., location). NS = not significant.

Partial financial support provided by the Oklahoma Wheat Commission and the Oklahoma Wheat Research Foundation



2016-2017 Oklahoma Wheat Variety Performance Tests Protein Summary

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Table 1. Wheat protein content (12% moisture basis) of varieties and experimental lines tested in the 2016-2017 Oklahoma Wheat Variety Performance Tests.

Source	Variety	% wheat protein									
		Goodwell Irrigated	Homestead	Kildare	Lahoma	Lahoma Fungicide	Marshall Dual-Purpose	Marshall Grain-Only	Thomas	Union City	Walters
AGSECO	AG Icon	16.9	-	-	12.0	11.7	-	-	-	-	-
AGSECO	AG Robust	17.1	-	-	11.0	11.2	-	-	-	-	-
PlainsGold	Avery	15.4	-	-	11.5	10.4	-	-	-	-	-
OGI	Bentley	16.0	10.3	10.1	10.8	10.5	12.4	11.6	9.0	10.0	8.1
OGI	Billings	17.3	11.5	10.5	11.5	11.2	12.6	11.8	10.5	12.3	-
Syngenta	Bob Dole	17.0	-	-	11.4	11.5	-	-	-	-	-
PlainsGold	Brawl CL Plus	16.5	-	-	12.4	12.5	-	-	-	-	-
PlainsGold	Byrd	15.7	-	-	11.0	10.6	-	-	-	-	-
OGI	Doublestop CL Plus	17.3	12.3	11.5	12.1	12.3	11.9	12.5	10.5	13.6	8.8
OGI	Duster	16.2	10.7	10.6	11.1	10.8	12.1	12.3	10.0	12.1	8.5
OSU	Endurance	16.6	11.2	10.2	11.9	11.8	12.3	11.8	10.3	13.0	9.1
OGI	Gallagher	16.7	10.9	10.1	10.7	11.0	11.3	11.8	9.9	12.1	8.4
AGSECO	Hot Rod	16.6	-	-	11.0	11.0	-	-	-	-	-
OGI	Iba	15.4	10.6	10.0	10.5	10.4	11.9	12.8	9.5	12.0	8.2
KWA	Joe	16.0	10.0	9.5	11.0	10.8	12.5	12.0	9.2	-	-
PlainsGold	Langin	17.0	-	-	10.9	10.8	-	-	-	-	-
KWA	Larry	16.1	10.3	10.7	11.0	10.5	11.9	13.0	9.2	-	-
LCS	LCS Chrome	16.4	10.8	10.9	12.5	12.5	12.5	12.2	10.0	12.9	8.4
LCS	LCS Mint	15.8	9.8	9.6	10.7	10.6	11.9	12.1	8.8	10.9	8.6
LCS	LCS Pistol	16.1	10.6	9.9	11.3	10.8	12.3	11.8	9.5	12.7	8.0
LCS	LCS Wizard	16.3	-	-	11.7	11.7	-	-	-	-	-
OGI	Lonerider	17.0	10.7	-	-	-	-	-	9.5	-	-
Dyna-Gro	Long Branch	15.4	-	-	11.6	11.5	-	-	-	-	-
OGI	NF 101	16.0	-	-	11.2	11.6	-	-	-	-	-
OGI	Ruby Lee	17.6	11.1	10.4	10.9	11.7	13.1	11.5	10.4	13.9	8.5
OGI	Smith's Gold	16.5	10.3	10.9	11.4	10.9	12.2	12.3	9.2	10.5	8.3
OGI	Spirit Rider	16.4	-	10.8	-	-	-	-	-	-	-
OGI	Stardust	17.1	11.5	-	12.5	12.1	12.9	12.5	-	-	-
Syngenta	SY Achieve CL2	17.9	-	-	11.5	11.4	-	-	-	-	-
Syngenta	SY Benefit	16.3	-	-	10.8	10.3	-	-	-	-	-
Syngenta	SY Drifter	16.9	-	-	11.7	11.8	-	-	-	-	-
Syngenta	SY Flint	16.2	11.3	10.1	10.4	11.0	12.0	13.4	10.0	11.1	8.4
Syngenta	SY Grit	16.2	-	-	11.4	10.9	-	-	-	-	-
Syngenta	SY Llano	-	11.2	10.8	11.3	11.9	11.2	12.7	10.3	11.6	9.1
Syngenta	SY Monument	16.2	10.5	10.3	10.6	10.9	13.3	12.4	9.5	-	-
Syngenta	SY Razor	-	-	-	-	-	-	-	-	11.9	9.2
Syngenta	SY Rugged	16.4	-	-	11.0	10.6	-	-	-	-	-
LCS	T158	15.8	-	-	11.3	10.7	-	-	-	-	-
Watley Seed	TAM 112	17.2	-	-	11.5	11.0	-	-	-	-	-
AGSECO	TAM 114	16.8	-	-	10.9	10.4	-	-	-	-	-
Watley Seed	TAM 204	16.3	10.6	10.9	11.7	11.0	12.5	12.2	10.2	11.5	8.8
KWA	Tatanka	15.7	9.5	9.2	10.0	10.1	12.1	12.0	8.5	-	-
WestBred	WB4269	16.0	-	-	11.3	11.5	-	-	-	-	-
WestBred	WB4303	17.4	-	-	10.4	10.8	-	-	-	-	-
WestBred	WB4458	17.3	11.0	11.5	10.5	11.4	11.8	12.1	10.0	12.1	9.8
WestBred	WB4515	17.3	-	-	11.2	11.1	-	-	-	-	-
WestBred	WB4721	17.2	-	-	11.4	11.7	-	-	-	-	-
WestBred	WB-Cedar	16.6	11.1	10.6	11.1	12.3	11.6	11.9	10.5	10.9	-
WestBred	WB-Grainfield	16.4	9.3	9.8	10.8	11.1	11.7	11.4	9.1	11.3	8.0
WestBred	Winterhawk	15.9	-	-	10.2	10.4	-	-	-	-	8.3
KWA	Zenda	15.5	-	-	10.2	10.8	-	-	-	-	-
OSU Experimentals											
	OK11755W-9W	16.3	-	-	11.4	10.8	-	-	-	-	-
	OK11D25005	-	-	-	-	-	12.2	11.4	-	12.9	8.0
	OK12206-2	16.8	-	-	10.7	11.1	11.9	13.0	-	-	-
	OK12621	-	-	-	-	-	12.9	12.0	-	-	-
	OK12716R/W	16.8	10.7	10.4	10.8	10.9	13.0	12.7	9.4	10.6	7.9
	OK12912C-2	-	12.1	-	12.1	11.9	-	-	-	-	-
	OK12D22002-077	16.9	11.5	10.5	11.4	11.3	-	-	-	-	-
	OK12D22004-016	15.3	-	-	10.8	11.3	-	-	-	-	-
	OK13209	-	12.4	-	12.0	12.0	-	-	-	-	-
	OK13621	16.7	-	-	11.5	11.5	-	-	-	-	-
	OK14319	-	-	-	-	-	12.9	12.1	-	12.1	-
	Mean	16.5	10.8	10.4	11.2	11.2	12.3	12.2	9.7	11.9	8.5
	LSD (0.05)	0.8	0.6	0.7	0.8	0.8	NS	NS	0.7	1.0	0.3

Notes: Shaded values are not statistically different from the highest value within a column (i.e., location). NS = not significant.