

2022-2023 Rolling Plains Dual-Purpose Variety Trial

Agronomic Information

County	Haskell
Cooperator	Mike Urbanzck
County Extension Agents	Jerry Coplen/Josh Kouns
GPS	33.354880, -99.517570
Seeding rate	1.4 M seeds/ac
Plant	11/5/2022
Forage clipping 1	2/21/2023
Forage clipping 2	NA
Grain harvest	6/27/2023
Pre-plant N	40# N
Top-dressing	110 lbs Urea on 12/6/2022
Herbicide	15oz/ac Axial Bold, 3.2 oz/ac Liberate, 0.1 oz/ac Generic Ally, and 8 oz/ac Salvo
Precipitation (Oct-Apr)	9.91

Soil test results	Sampled on 8/29/2022
1:1 Soil pH	8
1:1 S Salts mmho/cm	0.25
Excess Lime	NONE
Organic Matter LOI %	2.3
Nitrate-N ppm N	33.3
lbs N/A	80
Mehlich P-III ppm P	21
Potassium ppm K	415
Sulfate-S ppm S	11.5
Zinc ppm Zn	0.43
Iron ppm Fe	5.4
Manganese ppm Mn	4.1
Copper ppm Cu	0.43
Calcium ppm Ca	3993
Magnesium ppm Mg	210

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Variety	Source	Height inch	Stripe rust 0-5	Leaf rust 0-5	Dual-purp. Forage lb/ac	Dual-purp. bu/ac	Grain- only bu/ac	TW lb/bu
Bob dole	Syngenta	-	0	0	1184	-	-	-
Greenhammer (pick)	OSU	-	0	0	1325	-	-	-
<i>OK Corral</i>	OSU	-	0	0	816	-	-	-
<u>OK18510</u>	OSU	-	0	0	941	-	-	-
Smith's Gold	OSU	-	0	0	875	-	-	-
Strad CL Plus	OSU	-	0	0	878	-	-	-
TAM 115	TAMU	-	0	0	685	-	-	-
TAM 205	TAMU	-	0	0	503	-	-	-
WB4422	Westbread	-	0	0	697	-	-	-
WB4595 (pick)	Westbread	-	0	0	949	-	-	-
WB4632	Westbread	-	0	0	1045	-	-	-
WB4792 (pick)	Westbread	-	0	0	749	-	-	-
Mean		-	0.0	0.0	887	-	-	-
<i>P</i>		-	NS	NS	0.0009	-	-	-

Rust rating: 0 - no rust, 5-high infestation.

Values highlighted with yellow are statistically same as the highest value at $p < 0.05$

Grain yield data are not reported due to the high variability among replications. The trial was under severe drought stress due to the lack of rainfall during December to March. Average yield over all varieties was 6.6 bu/ac (range: 1.4-16.1 bu/ac) with test weight of 53.9.

Significant amount of grain shutters due to a spring storm.