

2023-2024 AgriLife Small Grains Silage Trial at Bushland

Contact: Jourdan Bell, Carla Naylor, or Kevin Helfin

Planted 10/22/2023

Seeding Rate: Wheat and Triticale 1.2 M seeds/acre, Rye 0.8 M seeds/acre

Fertilizer: 80 lbs. N and 35 lbs. P

Herbicides: Prowl H20 3/5/2024

Fungicides: Prosaro 4/19/2024

Irrigation: 9.5 inches to Boot and 12 inches to Soft-Dough

Precipitation: 4.5 inches (planting - 5/22/2024)

Emergence and Vigor Ratings (0-5) Rating Scale: 0=no stand, 1=poor, 3=good, 4=very good, 5=excellent

Feekes Scale

3	Tillering
4	Leaf Sheaths Lengthening
5	Leaf Sheaths Erected
6	First Node
7	Second Node

Entry	Variety	Company/Developer	Type	11/8/2023	2/8/2024	3/12/2024	3/27/2024	Boot (Feekes 10)				Soft-Dough			
				Emergence Rating	Winter Vigor Rating	Feekes Stage	Feekes Stage	Harvest Date	Ht (in.)	Yield (lbs/ac) DM Basis	Yield (tons/ac) DM Basis	Harvest Date	Ht (in.)	Yield (lbs/ac) DM Basis	Yield (tons/ac) DM Basis
14	TAM 205	Warner/Texas A&M AgriLife	HRWW	4.0	3.7	5.3	6.8	4/26/2024	33	7,912	4.0	6/4/2024	37	18,050	9.0 ± 0.3
6	DynaGro 7322 + Foothold	Nutrien/Texas A&M AgriLife	HRWW	4.0	3.7	5.5	5.5	4/26/2024	29	8,985	4.5	6/5/2024	35	17,210	8.6 ± 0.7
5	AP Sunbird	AgriPro/Syngenta	HRWW	3.7	3.7	6.0	6.5	4/26/2024	29	8,273	4.1	6/4/2024	33	16,799	8.4 ± 0.2
11	TAM 115	Wattley/Texas A&M AgriLife	HRWW	4.0	3.7	6.5	7.0	4/26/2024	30	7,565	3.8	6/4/2024	38	16,753	8.4 ± 0.6
1	AP exp 243	AgriPro/Syngenta	HRWW	4.0	3.7	5.5	7.0	4/26/2024	32	8,287	4.1	6/3/2024	35	16,732	8.4 ± 0.4
9	DynaGro 7322 Untreated	Nutrien/Texas A&M AgriLife	HRWW	4.7	3.7	5.5	6.0	4/26/2024	30	9,103	4.6	6/6/2024	35	16,662	8.3 ± 0.2
3	AP Prolific	AgriPro/Syngenta	HRWW	3.0	2.8	6.0	7.0	4/26/2024	32	6,488	3.2	6/4/2024	34	16,575	8.3 ± 0.6
4	AP Roadrunner	AgriPro/Syngenta	HRWW	3.7	3.7	5.5	6.8	4/24/2024	29	7,657	3.8	6/4/2024	35	16,560	8.3 ± 0.2
17	XH2001A	WestBred/Bayer	HRWW	3.0	2.3	4.5	6.5	4/26/2024	31	6,326	3.2	6/5/2024	36	16,157	8.1 ± 0.0
7	DynaGro 7322 + Avodigen	Nutrien/Texas A&M AgriLife	HRWW	4.3	3.7	5.5	6.0	4/26/2024	30	8,200	4.1	6/4/2024	35	16,062	8.0 ± 1.1
2	AP Longjack	AgriPro/Syngenta	HRWW	4.7	4.0	5.0	6.5	4/26/2024	30	7,199	3.6	6/4/2024	36	15,899	7.9 ± 0.3
40	WT 50	Warner Seed	Wheat-Triticale	4.2	4.0	5.0	5.0	4/29/2024	45	9,855	4.9	6/11/2024	52	15,654	7.8 ± 0.9
16	WB4792	WestBred/Bayer	HRWW	3.0	3.0	6.0	7.0	4/26/2024	30	7,175	3.6	6/5/2024	36	15,526	7.8 ± 0.5
8	DynaGro 7322+ Topguard	Nutrien/Texas A&M AgriLife	HRWW	4.3	3.0	5.5	6.0	4/26/2024	30	7,878	3.9	6/4/2024	34	15,437	7.7 ± 0.7
21	Jackalope	Ehmke	Rye	1.3	2.8	4.0	6.0	4/18/2024	33	7,132	3.6	6/4/2024	44	15,326	7.7 ± 2.0
10	TAM 114	Texas A&M AgriLife	HRWW	3.3	3.3	6.0	6.5	4/26/2024	31	9,454	4.7	6/3/2024	34	15,267	7.6 ± 1.1
19	XG4104A	WestBred/Bayer	HRWW	3.7	3.3	6.5	6.5	4/26/2024	29	7,615	3.8	6/4/2024	35	14,970	7.5 ± 0.1
20	XH4016A	WestBred/Bayer	HRWW	3.3	4.0	6.0	7.0	4/26/2024	31	7,303	3.7	6/4/2024	36	14,914	7.5 ± 1.1
18	XG4110A	WestBred/Bayer	HRWW	4.0	3.7	6.5	7.0	4/18/2024	28	7,469	3.7	6/3/2024	37	14,899	7.4 ± 0.4
39	Nex Trit Plus	West Gaines Seed	Triticale	3.7	4.2	4.5	6.0	4/26/2024	42	9,046	4.5	6/11/2024	53	14,539	7.3 ± 1.0
12	TAM 116	Warner/Texas A&M AgriLife	HRWW	4.0	3.7	5.5	6.5	4/26/2024	29	8,905	4.5	6/4/2024	34	14,218	7.1 ± 0.1
13	TAM 204	Wattley/Texas A&M AgriLife	HRWW	3.7	3.5	5.5	6.5	4/26/2024	31	8,731	4.4	6/3/2024	35	13,875	6.9 ± 0.2
37	SlickTrit II	Wattley Seed	Triticale	4.0	3.2	4.0	5.0	5/4/2024	46	10,944	5.5	6/11/2024	52	13,708	6.9 ± 1.5
34	TX20AT2015	Texas A&M AgriLife	Triticale	3.3	3.7	4.3	6.3	4/26/2024	44	9,639	4.8	6/11/2024	52	13,689	6.8 ± 0.7
36	Triplecale	Warner Seed	Triticale	4.3	4.5	4.5	6.0	4/26/2024	43	8,367	4.2	6/11/2024	49	13,243	6.6 ± 0.4
33	TX20AT2005	Texas A&M AgriLife	Triticale	3.7	3.8	4.5	6.5	4/26/2024	42	8,619	4.3	6/11/2024	52	13,194	6.6 ± 0.7
27	KWS H240	KWS	Rye	2.0	4.2	4.5	7.0	4/23/2024	37	8,715	4.4	6/4/2024	44	13,166	6.6 ± 1.0
38	Titan	Wattley Seed/Texas A&M AgriLife	Triticale	4.7	4.3	5.0	6.0	4/23/2024	37	8,740	4.4	6/11/2024	50	13,122	6.6 ± 0.1
30	ThunderCale V	Ehmke	Triticale	3.7	4.0	4.5	6.0	4/26/2024	36	9,888	4.9	6/11/2024	44	12,861	6.4 ± 0.9
28	KWS H95075	KWS	Rye	1.7	4.0	6.0	8.0	4/8/2024	30	5,677	2.8	6/4/2024	43	12,708	6.4 ± 1.2
31	Thundertall	Ehmke	Triticale	2.3	2.5	4.0	5.5	5/3/2024	38	9,658	4.8	6/11/2024	53	12,679	6.3 ± 1.3
35	TX20AT2018	Texas A&M AgriLife	Triticale	3.7	3.7	4.5	6.5	4/26/2024	45	9,586	4.8	6/11/2024	49	12,646	6.3 ± 0.4
15	TX18DH858	Texas A&M AgriLife	HRWW	3.7	4.3	6.0	6.5	4/22/2024	32	9,615	4.8	6/3/2024	38	12,315	6.2 ± 0.8
23	ThunderGreen	Ehmke	Rye	1.0	2.3	4.0	6.0	4/26/2024	38	10,522	5.3	6/5/2024	43	12,303	6.2 ± 0.4
24	KWS AVIATOR	KWS	Rye	2.0	3.5	4.0	6.5	4/26/2024	41	8,307	4.2	6/4/2024	45	12,174	6.1 ± 0.9
25	KWS PROGAS	KWS	Rye	2.0	4.0	5.0	6.0	4/26/2024	37	7,039	3.5	6/4/2024	44	11,465	5.7 ± 1.1
29	KWS H238	KWS	Rye	2.7	4.5	4.5	6.0	4/23/2024	37	9,060	4.5	6/5/2024	41	11,464	5.7 ± 0.3
26	KWS H10129	KWS	Rye	2.3	3.7	4.0	6.0	4/24/2024	37	7,993	4.0	6/4/2024	44	11,327	5.7 ± 0.7
22	OORye	Ehmke	Rye	3.0	4.2	5.0	6.0	4/12/2024	36	7,195	3.6	6/3/2024	49	11,147	5.6 ± 0.6
32	Thundertall II	Ehmke	Triticale	4.0	3.8	4.5	6.0	5/3/2024	46	10,007	5.0	6/11/2024	51	10,870	5.4 ± 0.8
								Trial Average	35	8,403	4.2	Trial Average	42	14,304	7.2 ± 0.7
								p-value	<0.0001	<0.0001	<0.0001	p-value	<0.0001	0.0004	0.0004
								CV	7.8	9.8	9.8	CV	5.3	11.8	11.8
								LSD	4.4	1342	0.67	LSD	3.6	3141	1.6

Not Signif. Diff.