

2018 Winkler Knowledge Trial

SITE CODE 0

Location:	Winkler	Cooperator:	N/A										
Planting Pop:	35,000												
Date Seeded:	May 14												
Drill Type:	Vacuum planter	Applied:	<table border="1"> <tr> <td>N</td> <td>P</td> <td>K</td> <td>S</td> <td>Micro</td> </tr> <tr> <td>140</td> <td>47</td> <td>9</td> <td>12</td> <td></td> </tr> </table>	N	P	K	S	Micro	140	47	9	12	
N	P	K	S	Micro									
140	47	9	12										
Harvest Date:	August-31-18	Fertility:											

Variety	Wet Yield Tonnes/Acre	Silage Moisture (%)	Yield (65% m.c.) Tonnes/Acre	RANK ²	Protein ¹	ADF ¹	NDF ¹	TDN ¹	ME ¹	Lignin ¹	Sugar ¹	Milk(kg/ Tonne of feed ¹)	Milk Tonne/ ac ¹	RANK ³
LR 9474VT2PIRB	19	58.1	22.773	5	7.51	24.57	45.25	69.76	2.65	2.01	2.32	1445.00	11517.37	4
LR 99577RR	21.8	63.2	22.921	3	7.79	26.72	49.61	68.09	2.58	2.16	7.3	1435.00	11512.14	5
LR 9579RR	21.4	62.6	22.867	4	7.71	23.24	43.85	70.80	2.70	2.11	7.51	1559.00	12477.61	3
LR 9980VT2PRIB	20.1	56.8	24.826	2	7.69	17.65	33.82	75.15	2.89	1.18	3.25	1539.00	13372.72	2
EXP18-8067	20	56.0	25.154	1	8.15	17.95	33.17	74.92	2.88	1.35	6.95	1558.00	13716.63	1
LR 9983VT2PRIB	20.3	67.9	18.635	6	7.06	28.7	53.2	66.54	2.51	2.98	4.99	1470.00	9587.91	6
LR 98A84-3010A	18.5	60.4	20.937	5	6.25	23.13	42.97	70.88	2.70	2.64	4.49	1496.00	10962.46	5
LR 9885GTCBLL	20.7	61.6	22.711	3	7.36	23.87	44.42	70.31	2.68	2.4	3.96	1529.00	12153.72	4
LR 9090GTCBLL	24.2	64.9	24.290	1	7.19	20.73	39.66	72.75	2.79	2.48	5.93	1679.00	14273.95	1
LR 9583VT2PRIB	21.7	61.4	23.932	2	7.29	23.27	43.45	70.77	2.70	2.53	2.43	1467.00	12287.89	3
EXP FLOURY LEAFY	23.85	69.2	20.961	4	7.39	22.45	41.88	71.41	2.73	2.44	7.5	1789.00	12977.84	2

Co-operator comments: Calculated from yield based on % dry matter from test report. From A&L Laboratories Report.
¹Based on adjusted yield.
²Based on combination of % dry matter yield and nutritional value.
³Based on adjusted yield.

Other Notes:

A & L Laboratories

Description	DM	Moisture	CP	NDF	NIR 48hr NDFD	SCH	ASH	FAT	LIG	Sugar	NDF-CP	WET YIELD	YIELD at 65% moisture	DRY YIELD	MILK YIELD	MILK YIELD	%NFC	%TDN	ADF	NEL	NEM	NEG	ME - Metabolizable Energy
Name	%	%	%	%	%	%	%	%	%	%	%	tonne/acre	tonne/acre	tonne/acre	kg/tonne	kg/acre	%	%	%	MCAL/kg	MCAL/kg	MCAL/kg	MCAL/kg
LR 9474VT2PIRB	41.95	58.05	7.51	45.25	59.95	30.16	3.17	2.29	2.01	2.32	1.64	19	22.773	7.971	1445	11517	41.78	69.76	24.57	1.59	1.74	1.02	2.65
LR 99577RR	36.8	63.20	7.79	49.61	57.57	21.94	4.18	1.88	2.16	7.3	2.19	21.8	22.921	8.022	1435	11512	36.54	68.09	26.72	1.55	1.69	0.97	2.58
LR 9579RR	37.4	62.60	7.71	43.85	59.49	29.01	3.15	2.07	2.11	7.51	1.88	21.4	22.867	8.004	1559	12478	43.22	70.80	23.24	1.62	1.77	1.05	2.70
LR 9980VT2PRIB	43.23	56.77	7.69	33.82	57.42	38.7	2.42	2.6	1.18	3.25	1.39	20.1	24.826	8.689	1539	13373	53.47	75.15	17.65	1.73	1.89	1.17	2.89
EXP18-8067	44.02	55.98	8.15	33.17	61.13	38.04	2.6	2.51	1.35	6.95	1.45	20	25.154	8.904	1558	13717	53.57	74.92	17.95	1.72	1.89	1.17	2.88
LR 9983VT2PRIB	32.13	67.87	7.06	53.2	59.86	20.57	4.12	1.84	2.98	4.99	2.02	20.3	18.635	6.522	1470	9588	33.78	66.54	28.7	1.52	1.64	0.92	2.51
LR 98A84-3010A	39.61	60.39	6.25	42.97	57.80	31.09	3.2	2.24	2.64	4.49	1.4	18.5	20.937	7.328	1496	10962	45.34	70.88	23.13	1.62	1.77	1.05	2.70
LR 9885GTCBLL	38.4	61.60	7.36	44.42	59.97	30.04	3.4	2.28	2.4	3.96	1.78	20.7	22.711	7.949	1529	12154	42.54	70.31	23.87	1.61	1.75	1.03	2.68
LR 9090GTCBLL	35.13	64.87	7.19	39.66	60.37	36.39	2.99	2.32	2.48	5.93	1.46	24.2	24.290	8.501	1679	14274	47.84	72.75	20.73	1.67	1.82	1.10	2.79
LR 9583VT2PRIB	38.6	61.40	7.29	43.45	55.22	31.79	3.5	2.22	2.53	2.43	1.71	21.7	23.932	8.376	1467	12288	43.54	70.77	23.27	1.62	1.77	1.04	2.70
EXP FLOURY LEAFY	30.76	69.24	7.39	41.88	62.26	32.04	3.01	2.02	2.44	7.5	1.76	23.85	20.961	7.336	1789	12978	45.70	71.41	22.45	1.64	1.78	1.06	2.73

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Field Data		High Energy Ration [*]	Rank	Tonne														Rank
Brand	Variety	Yield @ 65%	Yield @ 65%	Tonne / Acre (wet)	Tonne / Acre (65%)	% (DM)	% Cr. Protein	% NDF	% Fat	% Ash	Digest.	NE m	NE g	Daily DM ¹	Daily ²	Beef ³	DM Yield & Nutritional Value	
Legend	LR 9474VT2PIRB	5	19.0	22.8	8.0	41.95	7.51	45.25	2.29	3.17	59.95	0.79	0.46	22.5	2.3	1763.2	5	
Legend	LR 99577RR	3	21.8	22.9	8.0	36.80	7.79	49.61	1.88	4.18	57.57	0.77	0.44	21.8	2.3	1835.4	3	
Legend	LR 9579RR	4	21.4	22.9	8.0	37.40	7.71	43.85	2.07	3.15	59.49	0.80	0.48	22.4	2.3	1817.1	4	
Legend	LR 9980VT2PRIB	2	20.1	24.8	8.7	43.23	7.69	33.82	2.60	2.42	57.42	0.86	0.53	21.9	2.2	1965.4	2	
Legend	EXP18-8067	1	20.0	25.2	8.8	44.02	8.15	33.17	2.51	2.60	61.13	0.86	0.53	21.9	2.4	2104.6	1	
Legend	LR 9983VT2PRIB	6	20.3	18.6	6.5	32.13	7.06	53.20	1.84	4.12	58.96	0.74	0.42	20.3	1.9	1363.6	6	
Legend	LR 98A84-3010A	5	18.5	20.9	7.3	39.61	6.25	42.97	2.24	3.20	57.80	0.80	0.48	22.4	1.9	1363.9	5	
Legend	LR 9885GTCBLL	3	20.7	22.7	7.9	38.40	7.36	44.42	2.28	3.40	59.97	0.79	0.47	22.5	2.2	1719.0	3	
Legend	LR 9090GTCBLL	1	24.2	24.3	8.5	35.13	7.19	39.66	2.32	2.99	60.37	0.83	0.50	22.2	2.1	1803.6	1	
Legend	LR 9583VT2PRIB	2	21.7	23.9	8.4	38.60	7.29	43.45	2.22	3.50	55.22	0.80	0.47	22.4	2.2	1795.7	2	
Legend	EXP FLOURY LEAFY	4	23.9	21.0	7.3	30.76	7.39	41.88	2.02	3.01	62.26	0.81	0.48	22.4	2.2	1595.0	4	

^{*} 1 = finishing rations
² = growing rations or gestation rations

High energy rations, as used with finishing cattle, will reduce NDF digestibility.
 To about 70% of normal if pH drops to 5.8 and to near 40% when subacute acidosis pH is reached.
 The indication of a "1" or high energy will reduce NDF digestibility by 50% in this model.

¹Daily dry matter intake of silage for referenced 900lb steer using NRC derived feed equation.
²Projected average daily empty body weight gain for the reference steer consuming the silage.
³Calculated from Dry Matter basis.