

# 2012 Silage Trial - Southwestern Ontario



Co-operator - Marines Bakker (Mt. Brydges)  
Co-operator - Dave Scott (London)

	Horizon HZ EX 05-12		Horizon HZ EX 03-12		Horizon HZ EX BMR 06-12		Horizon HZ EX 05-12		Horizon HZ EX 03-12		Horizon HZ EX BMR 06-12	
	M Bakker	D Scott	M Bakker	D Scott	M Bakker	D Scott	M Bakker	D Scott	M Bakker	D Scott	M Bakker	D Scott
	As Fed	Dry	As Fed	Dry	AS Fed	Dry	As Fed	Dry	As Fed	Dry	As Feed	Dry
<b>YIELD TONNE/ACRE</b>	27.9		24.9		18.1		24		22.8		18.6	
Moisture	62.11%	0	65.38	0	71.60	0	55.29	0	49.36	0	64.40	0
Dry Matter	37.89%	100.00	34.62	100.00	28.40	100.00	44.71	100.00	50.64	100.00	35.60	100.00
<b>PROTEIN</b>												
Crude Protein	3.15%	8.31	2.87	8.29	2.08	7.34	3.49	7.81	3.62	7.16	2.44	6.85
ADF-CP	0.35%	0.92	0.27	0.78	0.21	0.74	0.30	0.67	0.30	0.60	0.24	0.67
NDF-CP	0.80%	2.10	0.68	1.95	0.58	2.05	0.68	1.52	0.87	1.72	0.64	1.80
<b>FIBRES</b>												
Acid Detergent Fibre	9.34%	24.64	6.68	19.29	8.22	28.94	10.83	24.22	13.07	25.81	11.10	31.19
Neutral Detergent Fibre	16.06%	42.38	10.88	31.43	13.78	48.53	18.76	41.97	23.52	46.45	19.83	55.70
Total Digestible Nutrient	26.41%	69.71	25.57	73.87	18.85	66.36	31.31	70.03	34.84	68.79	23.00	64.61
NDFD (24 hours)	34.64%	34.64	25.42	25.42	37.63	37.63	38.96	38.96	38.23	38.23	41.51	41.51
NDFD (48 hours)	54.96%	54.96	50.59	50.59	60.75	60.75	59.58	59.58	58.94	58.94	65.34	65.34
Lignin	0.91%	2.40	0.83	2.39	0.67	2.37	0.95	2.12	1.06	2.09	1.52	4.27
<b>ENERGY</b>												
NE Lactation	0.60	1.56	0.59	1.70	0.43	1.51	0.72	1.60	0.80	1.57	0.52	1.47
Net Energy Lactation	0.62	1.64	0.60	1.74	0.44	1.56	0.74	1.65	0.83	1.63	0.52	1.45
NE Gain	0.38	1.01	0.39	1.13	0.26	0.92	0.46	1.02	0.50	0.99	0.31	0.87
Net Energy Gain (Wiess)	0.39	1.02	0.39	1.13	0.26	0.92	0.46	1.03	0.51	1.00	0.31	0.88
NE Maintenance	0.66	1.73	0.64	1.86	0.47	1.64	0.76	1.74	0.87	1.71	0.57	1.59
Net Energy Maintenance	0.61	1.62	0.61	1.75	0.43	1.52	0.73	1.63	0.81	1.60	0.52	1.46
<b>MINERALS</b>												
Calcium	0.08%	0.21	0.06	0.17	0.06	0.22	0.14	0.31	0.14	0.27	0.10	0.29
Copper	0.09%	0.25	0.09	0.25	0.06	0.20	0.12	0.26	0.12	0.24	0.08	0.22
Phosphorus	0.34%	0.89	0.32	0.92	0.34	1.20	0.33	0.74	0.38	0.75	0.33	0.93
Potassium	0.04%	0.11	0.06	0.16	0.04	0.13	0.08	0.18	0.08	0.17	0.06	0.17
<b>Calculation</b>												
Relative Forage Value	173.20	173.21	233.90	233.93	154.40	154.37	182.70	182.96	164.80	164.75	135.30	135.30
<b>Other</b>												
Starch	12.56%	33.15	14.53	41.96	7.38	25.97	15.40	34.43	16.39	32.36	10.56	29.67
Total Ash	1.75%	4.61	1.55	4.49	1.34	4.73	1.95	4.36	1.84	3.63	1.47	4.13
Crude Fat	1.13%	2.99	1.24	3.58	0.43	1.51	1.12	2.51	1.12	2.21	0.69	1.90
Milk Per Acre	630 kg	1663	630	1819	470	1656	689	1540	702	1386	690	1938
Milk Per Tonne	630 kg	1663	630	1819	470	1656	689	1540	702	1386	690	1938
NFC	15.80%	41.71	18.08	52.21	10.76	37.89	19.38	43.35	20.54	40.56	11.17	31.39
Relative Feed Value	153.01	153.01	218.63	218.63	127.20	127.20	155.23	155.23	137.77	137.77	107.90	107.90