



**ONTARIO FORAGE SUMMARY BY REGION
SOUTHWESTERN ONTARIO - 2025-2026**

BRANT, BRUCE, ELGIN, GREY, HURON, NORFOLK, OXFORD, PERTH, SIMCOE, WATERLOO, WELLINGTON

SMALL GRAIN

JULY 2025 - JANUARY 2026

Item	N° Samples	Mean	S.D.	Min	Max
ONTARIO – Oat silage					
Moisture, %	33	69.43	7.47	51.83	82.63
Protein (N x 6.25), %DM	33	15.26	2.67	11.86	25.82
Soluble protein, %DM	33	9.20	2.00	6.43	13.54
ADF-CP, %DM	33	0.85	0.64	0.10	4.24
NDF-CP, %DM	33	1.79	0.75	1.02	5.29
ADF, %DM	33	34.83	4.64	25.50	45.87
aNDFom, %DM	33	48.98	6.14	35.16	58.74
Lignin, %DM	33	4.28	2.29	1.06	14.87
uNDFom (12 h), %DM	30	24.90	6.70	10.54	36.30
uNDFom (30 h), %DM	30	16.60	5.07	7.53	25.63
uNDFom (120 h), %DM	30	12.84	3.70	5.68	19.16
uNDFom (240 h), %DM	33	12.51	3.89	5.14	21.48
NDFD (12 h), %NDF	30	49.32	8.42	32.34	70.02
NDFD (30 h), %NDF	30	66.32	6.94	52.51	78.78
NDFD (120 h), %NDF	30	73.90	5.13	64.04	84.81
NDFD (240 h), %NDF	33	74.98	5.63	59.33	86.69
Starch, %DM	33	0.61	1.27	0.10	6.62
ESC, %DM	30	4.27	3.61	0.01	12.71
WSC, %DM	33	5.02	3.80	0.01	14.05
Fat, %DM	33	4.33	0.80	3.07	6.08
TFA, %DM	33	1.21	0.24	0.56	1.67
Ash, %DM	33	12.52	3.02	8.41	25.10
Calcium, %DM	33	0.58	0.19	0.33	1.20
Phosphorus, %DM	33	0.37	0.07	0.25	0.54
Potassium, %DM	33	3.22	0.67	1.49	4.96
Magnesium, %DM	33	0.21	0.04	0.13	0.28
TDN _{1x} , %DM	33	58.22	5.36	39.68	68.67
NEL _{3x} , Mcal/KgDM	30	1.37	0.12	1.09	1.61
NEG, Mcal/KgDM	33	0.72	0.18	0.06	1.06
Relative Feed Quality	33	141.07	23.77	88.76	195.26
ONTARIO – Oat - Pea silage					
Moisture, %	24	62.04	9.79	37.67	78.06
Protein (N x 6.25), %DM	24	15.70	2.07	12.77	19.49
Soluble protein, %DM	24	9.30	1.84	6.50	13.03
ADF-CP, %DM	24	0.91	0.23	0.32	1.40

NDF-CP, %DM	24	1.83	0.42	1.08	2.91
ADF, %DM	24	34.85	2.63	30.62	40.59
aNDFom, %DM	24	48.33	4.39	42.42	55.83
Lignin, %DM	24	5.12	1.55	2.72	10.39
uNDFom (12 h), %DM	21	27.15	4.82	18.35	36.13
uNDFom (30 h), %DM	21	19.36	3.84	11.95	25.74
uNDFom (120 h), %DM	21	15.14	2.75	9.77	19.63
uNDFom (240 h), %DM	24	14.39	2.73	9.05	20.15
NDFD (12 h), %NDF	21	43.54	6.64	35.06	57.87
NDFD (30 h), %NDF	21	59.68	6.44	49.77	72.57
NDFD (120 h), %NDF	21	68.38	5.09	58.61	77.57
NDFD (240 h), %NDF	24	70.28	4.70	61.43	79.22
Starch, %DM	24	1.53	3.07	0.10	13.55
ESC, %DM	21	3.70	2.12	0.13	8.23
WSC, %DM	24	5.01	2.34	1.08	10.31
Fat, %DM	24	3.90	0.63	2.80	5.19
TFA, %DM	24	1.09	0.19	0.56	1.39
Ash, %DM	24	10.82	1.99	7.04	14.16
Calcium, %DM	24	0.71	0.27	0.40	1.46
Phosphorus, %DM	24	0.32	0.06	0.17	0.44
Potassium, %DM	24	2.53	0.80	1.13	4.48
Magnesium, %DM	24	0.25	0.07	0.12	0.45
TDN _{1x} , %DM	24	58.66	3.09	49.54	62.33
NEL _{3x} , Mcal/KgDM	21	1.38	0.07	1.20	1.46
NEG, Mcal/KgDM	24	0.74	0.11	0.41	0.87
Relative Feed Quality	24	136.34	15.59	113.36	168.18
ONTARIO – Ryegrass					
Moisture, %	14	69.45	6.91	55.62	79.33
Protein (N x 6.25), %DM	14	16.01	2.43	11.78	19.59
Soluble protein, %DM	14	11.14	2.11	7.42	14.57
ADF-CP, %DM	14	0.76	0.33	0.21	1.74
NDF-CP, %DM	14	1.58	0.47	0.63	2.54
ADF, %DM	14	35.29	3.84	30.50	41.48
aNDFom, %DM	14	51.40	7.49	39.05	63.05
Lignin, %DM	14	4.21	1.24	2.64	7.51
uNDFom (12 h), %DM	14	27.99	6.16	21.20	40.13
uNDFom (30 h), %DM	14	18.49	3.85	13.35	25.97
uNDFom (120 h), %DM	14	13.92	2.53	10.60	18.74
uNDFom (240 h), %DM	14	13.04	2.36	9.85	17.60
NDFD (12 h), %NDF	14	45.88	5.79	35.48	53.08
NDFD (30 h), %NDF	14	64.01	5.48	48.68	70.05
NDFD (120 h), %NDF	14	72.70	4.81	57.49	78.69
NDFD (240 h), %NDF	14	74.43	4.48	60.36	80.32
Starch, %DM	14	0.21	0.20	0.10	0.82
ESC, %DM	14	2.99	2.00	0.46	7.25
WSC, %DM	14	3.76	2.15	0.66	8.37
Fat, %DM	14	4.84	0.79	2.54	5.86
TFA, %DM	14	1.41	0.24	0.93	1.96
Ash, %DM	14	10.34	1.86	7.50	13.63
Calcium, %DM	14	0.48	0.27	0.25	1.34
Phosphorus, %DM	14	0.33	0.06	0.21	0.43
Potassium, %DM	14	2.82	0.49	1.90	3.81
Magnesium, %DM	14	0.17	0.07	0.10	0.42

TDN _{1x} , %DM	14	60.18	3.00	54.77	63.92
NEL _{3x} , Mcal/KgDM	14	1.41	0.07	1.25	1.51
NEG, Mcal/KgDM	14	0.80	0.09	0.61	0.93
Relative Feed Quality	14	137.53	19.66	103.66	161.61
ONTARIO – Sorghum silage					
Moisture, %	8	66.06	8.68	50.79	77.01
Protein (N x 6.25), %DM	8	14.97	2.14	11.82	18.79
Soluble protein, %DM	8	6.88	1.39	4.70	8.64
ADF-CP, %DM	8	1.05	0.19	0.72	1.34
NDF-CP, %DM	8	2.55	0.37	1.94	2.98
ADF, %DM	8	36.29	2.85	32.30	39.52
aNDFom, %DM	8	54.94	3.78	46.40	58.90
Lignin, %DM	8	4.83	0.92	3.63	6.20
uNDFom (12 h), %DM	7	31.19	3.74	23.89	36.06
uNDFom (30 h), %DM	7	21.77	2.37	17.35	24.82
uNDFom (120 h), %DM	7	16.55	1.68	14.02	19.14
uNDFom (240 h), %DM	8	15.60	1.66	13.01	17.85
NDFD (12 h), %NDF	7	43.27	3.76	38.35	48.51
NDFD (30 h), %NDF	7	60.36	2.32	56.96	64.10
NDFD (120 h), %NDF	7	69.82	1.93	67.50	73.67
NDFD (240 h), %NDF	8	71.63	2.10	69.04	75.88
Starch, %DM	8	0.14	0.07	0.10	0.28
ESC, %DM	7	5.13	2.46	1.55	9.52
WSC, %DM	8	5.59	2.77	1.81	10.63
Fat, %DM	8	3.58	0.45	2.75	4.32
TFA, %DM	8	1.10	0.17	0.90	1.48
Ash, %DM	8	10.20	1.45	7.21	12.40
Calcium, %DM	8	0.57	0.07	0.48	0.68
Phosphorus, %DM	8	0.29	0.12	0.16	0.52
Potassium, %DM	8	2.62	0.45	1.75	3.19
Magnesium, %DM	8	0.35	0.06	0.25	0.44
TDN _{1x} , %DM	8	57.80	2.75	53.90	63.29
NEL _{3x} , Mcal/KgDM	7	1.36	0.06	1.26	1.44
NEG, Mcal/KgDM	8	0.71	0.09	0.55	0.85
Relative Feed Quality	8	116.49	11.67	102.23	138.24
ONTARIO – Sudan grass silage					
Moisture, %	33	65.59	8.26	47.58	85.29
Protein (N x 6.25), %DM	33	16.34	1.90	11.58	21.00
Soluble protein, %DM	33	7.56	2.07	4.12	11.99
ADF-CP, %DM	33	1.01	0.24	0.70	1.66
NDF-CP, %DM	33	2.56	0.41	1.55	3.38
ADF, %DM	33	34.66	2.65	29.42	39.56
aNDFom, %DM	33	50.07	4.50	38.91	59.17
uNDFom (12 h), %DM	33	4.51	1.04	2.73	6.76
uNDFom (30 h), %DM	33	27.23	3.19	21.66	36.40
uNDFom (120 h), %DM	33	19.22	2.58	13.69	25.90
uNDFom (240 h), %DM	33	14.61	1.98	9.72	18.34
NDFD (12 h), %NDF	33	13.39	1.81	8.60	16.81
NDFD (30 h), %NDF	33	45.44	5.61	34.93	57.07
NDFD (120 h), %NDF	33	61.42	5.22	50.88	73.17
NDFD (240 h), %NDF	33	70.61	4.58	60.39	80.28
Lignin, %DM	33	73.06	4.16	64.95	81.29
Starch, %DM	33	0.13	0.17	0.10	1.11

ESC, %DM	33	4.78	3.24	0.01	9.99
WSC, %DM	33	5.84	3.34	0.74	11.31
Fat, %DM	33	3.71	0.70	2.12	5.25
TFA, %DM	33	1.12	0.26	0.55	1.83
Ash, %DM	33	11.34	2.50	6.82	15.95
Calcium, %DM	33	0.86	0.28	0.45	1.62
Phosphorus, %DM	33	0.29	0.05	0.20	0.39
Potassium, %DM	33	2.86	0.76	1.77	4.50
Magnesium, %DM	33	0.41	0.11	0.23	0.74
TDN _{1x} , %DM	33	58.81	3.37	53.02	66.04
NEL _{3x} , Mcal/KgDM	33	1.38	0.07	1.22	1.52
NEG, Mcal/KgDM	33	0.76	0.10	0.59	0.97
Relative Feed Quality	33	135.39	12.47	107.38	166.69
ONTARIO – Sorghum - Sudan silage					
Moisture, %	13	68.14	6.40	58.60	81.98
Protein (N x 6.25), %DM	13	15.46	2.70	10.48	21.80
Soluble protein, %DM	13	7.14	1.75	4.27	10.52
ADF-CP, %DM	13	0.95	0.29	0.10	1.28
NDF-CP, %DM	13	2.42	0.48	1.52	3.17
ADF, %DM	13	36.37	4.63	31.49	47.63
aNDFom, %DM	13	53.01	6.39	39.93	66.79
Lignin, %DM	13	4.60	1.69	2.73	9.72
uNDFom (12 h), %DM	13	27.91	4.67	20.15	40.96
uNDFom (30 h), %DM	13	19.58	3.26	15.98	28.58
uNDFom (120 h), %DM	13	14.46	2.79	10.34	22.63
uNDFom (240 h), %DM	13	13.21	2.70	8.56	20.83
NDFD (12 h), %NDF	13	47.20	6.48	35.76	62.72
NDFD (30 h), %NDF	13	62.95	4.66	55.18	70.59
NDFD (120 h), %NDF	13	72.47	4.83	64.52	84.52
NDFD (240 h), %NDF	13	74.85	4.60	67.33	87.18
Starch, %DM	13	0.15	0.14	0.10	0.64
ESC, %DM	13	3.58	2.95	0.01	8.36
WSC, %DM	13	4.50	3.27	0.01	10.14
Fat, %DM	13	3.53	0.71	1.84	4.31
TFA, %DM	13	1.14	0.33	0.40	1.68
Ash, %DM	13	13.24	4.01	8.59	25.61
Calcium, %DM	13	0.72	0.20	0.45	1.21
Phosphorus, %DM	13	0.29	0.07	0.13	0.44
Potassium, %DM	13	3.33	0.80	2.31	5.06
Magnesium, %DM	13	0.35	0.10	0.25	0.55
TDN _{1x} , %DM	13	55.99	6.34	41.90	62.52
NEL _{3x} , Mcal/KgDM	13	1.29	0.19	0.83	1.46
NEG, Mcal/KgDM	13	0.66	0.21	0.17	0.86
Relative Feed Quality	13	119.71	21.77	74.77	160.03
ONTARIO – Triticale silage					
Moisture, %	31	68.91	8.95	38.08	80.78
Protein (N x 6.25), %DM	31	16.44	2.70	9.20	22.12
Soluble protein, %DM	31	11.01	2.59	5.70	14.87
ADF-CP, %DM	31	0.71	0.30	0.27	1.57
NDF-CP, %DM	31	1.52	0.44	0.78	2.93
ADF, %DM	31	33.39	4.27	26.52	44.24
aNDFom, %DM	31	49.26	6.69	36.46	68.91
Lignin, %DM	31	4.02	1.38	1.92	7.05

uNDFom (12 h), %DM	30	27.12	6.88	16.56	47.90
uNDFom (30 h), %DM	30	18.37	4.87	10.98	32.42
uNDFom (120 h), %DM	30	13.88	3.36	7.63	22.35
uNDFom (240 h), %DM	31	12.91	3.09	6.73	20.75
NDFD (12 h), %NDF	30	45.70	6.39	30.78	56.92
NDFD (30 h), %NDF	30	63.21	5.28	51.76	71.55
NDFD (120 h), %NDF	30	72.07	4.23	62.97	80.15
NDFD (240 h), %NDF	31	74.00	4.03	64.67	82.49
Starch, %DM	31	0.39	0.99	0.10	5.27
ESC, %DM	30	3.00	3.26	0.01	13.83
WSC, %DM	31	3.96	3.52	0.01	14.96
Fat, %DM	31	4.75	0.87	2.82	6.27
TFA, %DM	31	1.42	0.24	0.85	1.82
Ash, %DM	31	10.52	2.50	5.99	18.15
Calcium, %DM	31	0.51	0.24	0.22	1.36
Phosphorus, %DM	31	0.32	0.06	0.21	0.46
Potassium, %DM	31	2.71	0.64	1.65	4.06
Magnesium, %DM	31	0.18	0.05	0.08	0.31
TDN _{1x} , %DM	31	60.93	4.67	49.43	67.98
NEL _{3x} , Mcal/KgDM	30	1.42	0.12	1.09	1.56
NEG, Mcal/KgDM	31	0.82	0.14	0.45	1.01
Relative Feed Quality	31	144.62	23.19	95.39	194.08
ONTARIO – Tripper silage					
Moisture, %	25	65.45	9.51	49.16	79.29
Protein (N x 6.25), %DM	25	14.98	1.74	10.50	17.82
Soluble protein, %DM	25	9.37	1.71	5.97	11.83
ADF-CP, %DM	25	0.88	0.24	0.39	1.42
NDF-CP, %DM	25	1.57	0.34	0.79	2.11
ADF, %DM	25	36.94	2.63	30.64	41.12
aNDFom, %DM	25	50.61	3.47	42.40	55.26
Lignin, %DM	25	5.04	1.26	3.64	10.26
uNDFom (12 h), %DM	23	28.79	3.12	19.49	32.90
uNDFom (30 h), %DM	23	19.69	2.18	14.02	22.64
uNDFom (120 h), %DM	23	15.24	1.58	12.11	17.96
uNDFom (240 h), %DM	25	14.46	1.70	11.40	17.47
NDFD (12 h), %NDF	23	43.25	3.74	37.17	54.03
NDFD (30 h), %NDF	23	61.10	3.58	55.63	67.20
NDFD (120 h), %NDF	23	69.81	3.36	63.17	75.62
NDFD (240 h), %NDF	25	71.32	3.69	63.92	77.73
Starch, %DM	25	1.10	2.45	0.10	11.81
ESC, %DM	23	2.32	1.99	0.01	7.12
WSC, %DM	25	3.41	2.11	0.11	8.63
Fat, %DM	25	4.10	0.73	2.67	6.06
TFA, %DM	25	1.12	0.18	0.74	1.71
Ash, %DM	25	11.85	2.36	7.88	17.68
Calcium, %DM	25	0.61	0.22	0.36	1.40
Phosphorus, %DM	25	0.32	0.06	0.19	0.41
Potassium, %DM	25	2.81	0.66	1.47	3.77
Magnesium, %DM	25	0.22	0.05	0.13	0.35
TDN _{1x} , %DM	25	57.06	3.45	46.38	62.01
NEL _{3x} , Mcal/KgDM	23	1.33	0.10	1.03	1.44
NEG, Mcal/KgDM	25	0.70	0.10	0.39	0.85
Relative Feed Quality	25	127.95	15.64	100.35	167.14

ONTARIO – Other small grain silage					
Moisture, %	25	60.89	11.57	30.73	77.20
Protein (N x 6.25), %DM	25	15.02	2.14	10.27	18.11
Soluble protein, %DM	25	8.93	2.37	4.65	13.53
ADF-CP, %DM	25	0.94	0.31	0.26	1.50
NDF-CP, %DM	25	1.77	0.40	0.94	2.60
ADF, %DM	25	34.28	5.38	15.27	41.49
aNDFom, %DM	25	49.09	5.60	37.24	59.93
Lignin, %DM	25	5.15	1.52	2.35	8.48
uNDFom (12 h), %DM	20	27.33	6.25	14.09	35.77
uNDFom (30 h), %DM	20	19.28	5.78	7.04	28.08
uNDFom (120 h), %DM	20	14.94	4.16	5.28	20.59
uNDFom (240 h), %DM	25	14.51	3.77	4.70	19.35
NDFD (12 h), %NDF	20	43.21	9.18	28.66	62.16
NDFD (30 h), %NDF	20	60.12	9.95	44.00	81.10
NDFD (120 h), %NDF	20	69.04	7.20	58.91	85.82
NDFD (240 h), %NDF	25	70.78	6.43	61.24	87.38
Starch, %DM	25	1.45	3.89	0.10	17.86
ESC, %DM	20	4.61	3.06	0.08	11.39
WSC, %DM	25	5.82	2.96	1.21	12.22
Fat, %DM	25	3.66	0.79	2.33	4.86
TFA, %DM	25	1.06	0.26	0.57	1.48
Ash, %DM	25	10.49	2.30	6.31	15.97
Calcium, %DM	25	0.68	0.26	0.28	1.16
Phosphorus, %DM	25	0.30	0.05	0.23	0.40
Potassium, %DM	25	2.44	0.66	1.32	3.96
Magnesium, %DM	25	0.23	0.07	0.12	0.49
TDN _{1x} , %DM	25	58.61	3.27	53.23	64.99
NEL _{3x} , Mcal/KgDM	20	1.38	0.08	1.23	1.50
NEG, Mcal/KgDM	25	0.73	0.11	0.53	0.94
Relative Feed Quality	25	138.18	19.12	101.05	182.90

SOUTHWESTERN ONTARIO HAY
JUNE 2025- JANUARY 2026

Item	N° Samples	Mean	S.D.	Min	Max
<i>ONTARIO – Legume hay</i>					
Moisture, %	32	13.93	1.91	10.55	20.07
Protein (N x 6.25), %DM	32	19.40	1.74	15.85	22.25
Soluble protein, %DM	32	7.88	1.11	5.78	11.40
ADF-CP, %DM	32	1.19	0.21	0.93	1.72
NDF-CP, %DM	32	2.45	1.05	1.19	5.88
ADF, %DM	32	33.27	2.87	26.83	41.04
aNDFom, %DM	32	40.94	3.55	32.77	48.04
Lignin, %DM	32	6.49	0.70	5.16	7.78
uNDFom (12 h), %DM	30	25.81	3.40	19.59	32.50
uNDFom (30 h), %DM	30	21.71	3.00	15.84	28.24
uNDFom (120 h), %DM	30	19.62	2.89	13.40	26.18
uNDFom (240 h), %DM	32	19.05	2.83	12.84	25.66
NDFD (12 h), %NDF	30	37.18	5.45	26.92	49.13
NDFD (30 h), %NDF	30	47.10	5.80	36.62	58.87
NDFD (120 h), %NDF	30	52.17	5.93	41.35	65.20
NDFD (240 h), %NDF	32	53.44	5.89	42.41	66.66
Starch, %DM	32	0.78	0.55	0.20	2.70
ESC, %DM	30	7.43	2.12	2.08	10.85
WSC, %DM	32	9.67	2.34	3.09	13.62
Fat, %DM	32	2.83	0.37	1.80	3.47
TFA, %DM	32	1.31	0.20	0.97	1.75
Ash, %DM	32	9.91	1.48	7.03	15.28
Calcium, %DM	32	1.50	0.29	1.02	2.43
Phosphorus, %DM	32	0.26	0.06	0.07	0.37
Potassium, %DM	32	1.99	0.43	1.28	2.69
Magnesium, %DM	32	0.30	0.08	0.17	0.56
TDN _{1x} , %DM	32	59.86	2.21	53.88	64.78
NEL _{3x} , Mcal/KgDM	30	1.43	0.06	1.26	1.52
NEG, Mcal/KgDM	32	0.81	0.07	0.63	0.96
Relative Feed Quality	32	149.85	17.15	116.58	197.09
<i>Grass hay</i>					
Moisture, %	29	14.35	4.79	9.13	37.00
Protein (N x 6.25), %DM	29	10.73	2.17	6.96	15.86
Soluble protein, %DM	29	3.72	1.15	1.46	6.51
ADF-CP, %DM	29	0.87	0.18	0.57	1.27
NDF-CP, %DM	29	2.59	0.65	1.59	3.90
ADF, %DM	29	39.74	2.77	35.44	45.34
aNDFom, %DM	29	60.73	4.89	52.32	69.19
Lignin, %DM	29	5.51	0.85	3.88	6.75
uNDFom (12 h), %DM	28	39.89	6.06	28.27	50.21
uNDFom (30 h), %DM	28	28.83	4.68	19.53	35.73
uNDFom (120 h), %DM	28	21.39	3.31	15.19	26.25
uNDFom (240 h), %DM	29	19.97	3.13	14.12	24.34
NDFD (12 h), %NDF	28	34.52	6.43	24.09	46.39
NDFD (30 h), %NDF	28	52.67	5.37	45.98	63.07
NDFD (120 h), %NDF	28	64.83	4.14	58.38	73.41
NDFD (240 h), %NDF	29	67.18	4.02	60.53	75.65

Starch, %DM	29	0.39	0.27	0.25	1.10
ESC, %DM	28	8.34	1.96	4.65	12.33
WSC, %DM	29	10.60	2.08	7.01	15.03
Fat, %DM	29	2.59	0.32	1.99	3.48
TFA, %DM	29	0.97	0.22	0.50	1.64
Ash, %DM	29	7.59	1.50	4.33	10.73
Calcium, %DM	29	0.57	0.25	0.28	1.16
Phosphorus, %DM	29	0.20	0.06	0.10	0.38
Potassium, %DM	29	1.78	0.51	0.56	3.06
Magnesium, %DM	29	0.18	0.06	0.08	0.34
TDN _{1x} , %DM	29	57.30	1.94	53.21	60.42
NEL _{3x} , Mcal/KgDM	28	1.29	0.07	1.15	1.41
NEG, Mcal/KgDM	29	0.66	0.07	0.52	0.78
Relative Feed Quality	29	102.43	10.55	87.64	124.34
Mixed hay					
Moisture, %	110	14.11	3.36	9.25	37.80
Protein (N x 6.25), %DM	110	14.25	3.42	8.02	22.39
Soluble protein, %DM	110	5.40	1.80	0.90	8.78
ADF-CP, %DM	110	1.07	0.24	0.65	1.89
NDF-CP, %DM	110	2.61	0.74	1.59	5.80
ADF, %DM	110	38.10	4.37	18.19	46.68
aNDFom, %DM	110	52.20	7.04	38.48	65.87
Lignin, %DM	110	6.45	1.38	2.48	9.51
uNDFom (12 h), %DM	98	33.48	7.32	19.59	54.92
uNDFom (30 h), %DM	98	25.87	5.59	13.82	44.82
uNDFom (120 h), %DM	98	20.96	4.36	10.36	35.87
uNDFom (240 h), %DM	110	19.93	4.13	9.49	33.81
NDFD (12 h), %NDF	98	35.82	7.00	13.47	52.25
NDFD (30 h), %NDF	98	50.17	7.16	29.39	66.67
NDFD (120 h), %NDF	98	59.30	7.51	39.40	74.80
NDFD (240 h), %NDF	110	61.58	7.46	41.23	77.22
Starch, %DM	110	0.59	0.57	0.10	2.64
ESC, %DM	98	7.74	2.39	2.50	14.32
WSC, %DM	110	10.30	2.47	4.23	17.35
Fat, %DM	110	2.58	0.42	1.57	3.83
TFA, %DM	110	1.08	0.24	0.55	1.83
Ash, %DM	110	8.72	1.69	4.95	16.50
Calcium, %DM	107	0.92	0.26	0.50	1.79
Phosphorus, %DM	107	0.24	0.07	0.10	0.46
Potassium, %DM	107	1.83	0.50	0.86	3.12
Magnesium, %DM	107	0.23	0.07	0.10	0.42
TDN _{1x} , %DM	110	57.39	3.41	48.02	65.94
NEL _{3x} , Mcal/KgDM	98	1.32	0.10	1.08	1.55
NEG, Mcal/KgDM	110	0.69	0.11	0.45	0.99
Relative Feed Quality	110	117.31	19.90	84.04	169.11
Straw					
Moisture, %	48	10.85	2.73	6.09	22.73
Protein (N x 6.25), %DM	48	4.47	0.89	2.30	6.77
Soluble protein, %DM	48	0.79	0.14	0.55	1.32
ADF-CP, %DM	48	0.86	0.69	0.06	3.16
NDF-CP, %DM	48	20.03	16.94	1.31	66.81
ADF, %DM	48	52.07	1.83	47.53	55.58
aNDFom, %DM	48	79.05	2.89	64.93	83.69

Lignin, %DM	48	7.87	0.71	5.99	9.18
uNDFom (12 h), %DM	48	65.54	5.02	47.90	73.28
uNDFom (30 h), %DM	48	48.54	4.06	37.53	55.61
uNDFom (120 h), %DM	48	34.80	3.05	26.07	40.77
uNDFom (240 h), %DM	48	32.31	2.84	23.95	37.37
NDFD (12 h), %NDF	48	17.20	4.29	9.74	29.59
NDFD (30 h), %NDF	48	38.67	3.93	31.50	50.40
NDFD (120 h), %NDF	48	56.02	3.19	50.40	65.55
NDFD (240 h), %NDF	48	59.16	3.02	54.54	68.35
Starch, %DM	48	0.96	0.99	0.25	5.83
ESC, %DM	48	3.40	0.90	1.95	5.32
WSC, %DM	48	4.59	1.10	2.52	7.35
Fat, %DM	48	1.74	0.39	1.01	2.63
TFA, %DM	48	0.36	0.16	0.15	0.91
Ash, %DM	48	5.77	1.70	2.40	14.02
Calcium, %DM	48	0.27	0.07	0.14	0.55
Phosphorus, %DM	48	0.06	0.02	0.03	0.13
Potassium, %DM	48	0.93	0.33	0.38	1.90
Magnesium, %DM	48	0.09	0.03	0.05	0.20
TDN _{1x} , %DM	48	48.86	1.68	45.02	52.19
NEL _{3x} , Mcal/KgDM	48	0.98	0.05	0.88	1.08
NEG, Mcal/KgDM	48	0.34	0.06	0.22	0.45
Relative Feed Quality	48	58.74	9.52	51.17	104.56

SOUTHWESTERN ONTARIO HAYLAGE
JUNE 2025- JANUARY 2026

Item	N° Samples	Mean	S.D.	Min	Max
<i>ONTARIO – Legume haylage</i>					
Moisture, %	584	54.97	10.36	24.44	84.60
Protein (N x 6.25), %DM	584	21.08	1.98	14.25	28.44
Soluble protein, %DM	584	12.04	2.44	5.47	19.12
ADF-CP, %DM	584	1.24	0.20	0.68	2.26
NDF-CP, %DM	584	3.08	0.96	0.99	6.57
ADF, %DM	584	31.81	4.07	17.40	42.66
aNDFom, %DM	584	36.71	4.50	23.13	49.16
Lignin, %DM	584	6.32	1.17	3.29	14.69
uNDFom (12 h), %DM	581	22.07	4.36	7.69	34.65
uNDFom (30 h), %DM	581	18.71	3.72	6.64	29.75
uNDFom (120 h), %DM	581	17.20	3.46	6.25	27.62
uNDFom (240 h), %DM	584	16.68	3.37	6.20	26.73
NDFD (12 h), %NDF	581	40.32	5.81	21.85	66.75
NDFD (30 h), %NDF	581	49.35	5.58	32.90	74.65
NDFD (120 h), %NDF	581	53.39	5.70	38.76	77.02
NDFD (240 h), %NDF	584	54.81	5.63	40.57	78.08
Starch, %DM	584	0.87	0.79	0.10	9.60
ESC, %DM	581	3.56	1.53	0.27	7.64
WSC, %DM	584	5.05	2.38	0.51	11.41
Fat, %DM	584	3.59	0.61	1.95	5.88
TFA, %DM	584	1.52	0.29	0.74	2.31
Ash, %DM	584	10.53	1.42	6.63	18.08
Calcium, %DM	580	1.60	0.27	0.94	2.85
Phosphorus, %DM	580	0.30	0.05	0.12	0.50
Potassium, %DM	580	2.26	0.47	0.87	4.05
Magnesium, %DM	580	0.32	0.07	0.14	0.78
TDN _{1x} , %DM	581	61.37	2.99	51.32	69.14
NEL _{3x} , Mcal/KgDM	581	1.47	0.07	1.22	1.66
NEG, Mcal/KgDM	581	0.87	0.09	0.58	1.13
Relative Feed Quality	584	182.16	28.92	119.87	298.18
<i>Grass haylage</i>					
Moisture, %	48	60.59	12.93	33.12	84.32
Protein (N x 6.25), %DM	48	15.08	3.09	9.71	21.97
Soluble protein, %DM	48	7.51	3.62	1.33	14.17
ADF-CP, %DM	48	0.98	0.36	0.28	1.78
NDF-CP, %DM	48	3.20	1.12	1.19	5.80
ADF, %DM	48	33.21	4.86	15.78	43.25
aNDFom, %DM	48	50.11	6.72	33.18	64.80
Lignin, %DM	48	3.81	1.63	0.84	6.52
uNDFom (12 h), %DM	48	27.61	7.03	12.76	44.04
uNDFom (30 h), %DM	48	18.51	5.95	6.85	31.58
uNDFom (120 h), %DM	48	13.25	4.73	5.01	21.55
uNDFom (240 h), %DM	48	12.40	4.59	4.41	20.23
NDFD (12 h), %NDF	48	45.63	7.86	29.16	62.25
NDFD (30 h), %NDF	48	63.67	8.44	49.68	79.95
NDFD (120 h), %NDF	48	73.88	7.97	53.98	89.11
NDFD (240 h), %NDF	48	75.53	8.00	55.00	90.80

Starch, %DM	48	1.13	1.46	0.10	8.39
ESC, %DM	48	4.32	2.09	0.83	11.71
WSC, %DM	48	6.54	2.96	0.85	12.97
Fat, %DM	48	3.97	0.56	2.57	4.98
TFA, %DM	48	1.60	0.22	0.88	2.02
Ash, %DM	48	8.89	2.13	4.90	15.13
Calcium, %DM	48	0.61	0.26	0.27	1.25
Phosphorus, %DM	48	0.31	0.09	0.13	0.51
Potassium, %DM	48	2.32	0.64	1.22	4.13
Magnesium, %DM	48	0.23	0.07	0.11	0.44
TDN _{1x} , %DM	48	62.90	3.48	54.45	71.79
NEL _{3x} , Mcal/KgDM	48	1.44	0.09	1.20	1.61
NEG, Mcal/KgDM	48	0.86	0.12	0.56	1.11
Relative Feed Quality	48	146.02	25.45	101.76	236.46
Mixed haylage					
Moisture, %	550	54.27	11.60	15.22	84.65
Protein (N x 6.25), %DM	550	18.12	2.77	6.97	26.06
Soluble protein, %DM	550	10.13	2.84	0.93	17.60
ADF-CP, %DM	550	1.13	0.23	0.23	2.45
NDF-CP, %DM	550	3.03	0.87	1.28	6.81
ADF, %DM	550	34.00	4.07	23.30	49.23
aNDFom, %DM	550	42.36	6.35	27.96	71.84
Lignin, %DM	550	5.57	1.40	1.91	13.43
uNDFom (12 h), %DM	540	24.54	5.47	13.84	52.68
uNDFom (30 h), %DM	540	19.12	4.30	10.80	40.48
uNDFom (120 h), %DM	540	16.31	3.73	8.22	30.04
uNDFom (240 h), %DM	550	15.70	3.65	7.64	28.51
NDFD (12 h), %NDF	540	42.25	6.09	23.01	57.95
NDFD (30 h), %NDF	540	54.85	6.35	32.07	72.12
NDFD (120 h), %NDF	540	61.31	6.78	37.39	79.22
NDFD (240 h), %NDF	546	62.90	6.76	39.02	80.69
Starch, %DM	550	0.94	1.18	0.20	19.91
ESC, %DM	540	3.79	1.77	0.13	9.43
WSC, %DM	550	5.54	2.81	0.06	13.15
Fat, %DM	550	3.65	0.67	1.37	5.84
TFA, %DM	550	1.52	0.31	0.62	2.29
Ash, %DM	550	10.00	1.51	5.76	17.92
Calcium, %DM	549	1.16	0.23	0.51	1.69
Phosphorus, %DM	549	0.29	0.06	0.11	0.57
Potassium, %DM	549	2.37	0.52	1.02	4.03
Magnesium, %DM	549	0.27	0.07	0.13	0.57
TDN _{1x} , %DM	540	61.14	3.40	46.93	68.93
NEL _{3x} , Mcal/KgDM	540	1.44	0.08	0.98	1.61
NEG, Mcal/KgDM	540	0.84	0.11	0.33	1.07
Relative Feed Quality	550	160.97	27.23	77.70	243.77

SOUTHWESTERN ONTARIO CORN SILAGE
SEPTEMBER 2025- JANUARY 2026

Item	N° Samples	Mean	S.D.	Min	Max
ONTARIO – Fermented corn silage					
Moisture, %	437	63.01	4.52	49.45	77.10
Protein (N x 6.25), %DM	437	7.67	0.66	5.01	11.37
Soluble protein, %DM	437	5.06	0.71	2.35	7.61
ADF-CP, %DM	437	0.58	0.11	0.29	1.22
NDF-CP, %DM	437	1.00	0.16	0.59	2.80
ADF, %DM	437	21.20	2.37	14.74	39.56
aNDFom, %DM	437	37.09	3.64	26.78	55.04
Lignin, %DM	437	2.13	0.34	1.18	6.06
uNDFom (12 h), %DM	417	24.81	2.73	17.49	37.32
uNDFom (30 h), %DM	417	15.46	1.56	11.81	22.63
uNDFom (120 h), %DM	417	10.49	1.22	7.76	15.73
uNDFom (240 h), %DM	437	9.51	1.11	6.77	14.02
NDFD (12 h), %NDF	417	33.06	2.43	25.60	45.18
NDFD (30 h), %NDF	417	58.17	3.08	49.96	70.71
NDFD (120 h), %NDF	417	71.63	2.36	62.61	77.51
NDFD (240 h), %NDF	437	74.31	2.36	64.30	79.87
Starch, %DM	437	34.44	5.19	2.16	51.11
SCHD-7h, %SCH	417	77.45	2.88	69.74	84.85
ESC, %DM	417	2.89	1.13	0.20	7.14
WSC, %DM	437	3.19	1.16	0.30	7.55
Fat, %DM	437	3.32	0.32	2.35	4.41
TFA, %DM	437	2.17	0.24	1.48	3.11
Ash, %DM	437	3.80	0.67	1.19	8.86
Calcium, %DM	435	0.23	0.08	0.09	0.91
Phosphorus, %DM	435	0.20	0.03	0.05	0.30
Potassium, %DM	435	0.83	0.18	0.19	2.02
Magnesium, %DM	435	0.16	0.04	0.04	0.61
TDN _{1x} , %DM	437	74.64	2.17	57.62	80.14
NEL _{3x} , Mcal/KgDM	417	1.59	0.04	1.28	1.69
NEG, Mcal/KgDM	437	1.12	0.06	0.65	1.26
Relative Feed Quality	437	222.38	24.69	120.44	317.40
ONTARIO – BMR Corn silage					
Moisture, %	71	66.08	3.63	57.20	74.98
Protein (N x 6.25), %DM	71	7.86	0.57	6.17	8.86
Soluble protein, %DM	71	5.63	0.72	3.76	7.04
ADF-CP, %DM	71	0.55	0.10	0.41	0.88
NDF-CP, %DM	71	0.98	0.15	0.67	1.32
ADF, %DM	71	21.93	2.31	17.09	28.27
aNDFom, %DM	71	39.05	3.82	31.63	48.31
Lignin, %DM	71	1.75	0.32	0.99	2.60
uNDFom (12 h), %DM	70	23.26	2.67	18.28	30.18
uNDFom (30 h), %DM	70	12.42	1.56	8.89	15.81
uNDFom (120 h), %DM	70	7.92	1.25	5.30	11.11
uNDFom (240 h), %DM	71	6.93	1.17	4.60	10.19

NDFD (12 h), %NDF	70	40.40	3.12	31.25	48.48
NDFD (30 h), %NDF	70	67.95	4.55	57.00	75.87
NDFD (120 h), %NDF	70	79.62	3.11	69.79	85.73
NDFD (240 h), %NDF	71	82.19	3.00	72.29	88.21
Starch, %DM	71	30.11	5.18	16.54	40.53
SCHD-7h, %SCH	70	79.17	2.66	71.31	83.73
ESC, %DM	70	3.07	1.43	0.98	7.61
WSC, %DM	71	3.37	1.45	1.21	8.01
Fat, %DM	71	3.79	0.37	3.04	4.69
TFA, %DM	71	2.22	0.23	1.67	2.85
Ash, %DM	71	3.85	0.48	2.59	5.30
Calcium, %DM	71	0.23	0.05	0.14	0.35
Phosphorus, %DM	71	0.20	0.04	0.09	0.33
Potassium, %DM	71	0.81	0.18	0.37	1.35
Magnesium, %DM	71	0.18	0.04	0.07	0.29
TDN _{1x} , %DM	70	74.92	1.81	69.61	78.79
NEL _{3x} , Mcal/KgDM	70	1.60	0.03	1.51	1.67
NEG, Mcal/KgDM	71	1.12	0.05	0.99	1.22
Relative Feed Quality	71	212.98	22.36	164.48	268.04
ONTARIO – Fresh corn silage					
Moisture, %	166	62.62	4.56	48.62	72.80
Protein (N x 6.25), %DM	166	7.71	0.79	4.95	10.76
Soluble protein, %DM	166	2.99	0.54	1.58	4.77
ADF-CP, %DM	166	0.58	0.15	0.35	1.69
NDF-CP, %DM	166	1.18	0.16	0.83	1.73
ADF, %DM	166	21.50	2.48	16.04	30.20
aNDFom, %DM	166	38.38	3.91	27.70	49.61
Lignin, %DM	166	2.10	0.38	1.32	4.13
uNDFom (12 h), %DM	160	26.17	3.22	18.96	39.43
uNDFom (30 h), %DM	160	15.61	2.12	10.61	25.02
uNDFom (120 h), %DM	160	11.18	1.54	7.27	17.75
uNDFom (240 h), %DM	166	10.14	1.44	6.37	16.49
NDFD (12 h), %NDF	160	31.92	3.38	20.05	41.06
NDFD (30 h), %NDF	160	59.24	4.39	48.27	73.21
NDFD (120 h), %NDF	160	70.82	3.08	63.42	80.66
NDFD (240 h), %NDF	166	73.51	3.06	65.92	83.30
Starch, %DM	166	35.06	5.28	19.24	47.13
SCHD-7h, %SCH	159	68.26	2.46	60.30	77.85
ESC, %DM	160	5.22	2.07	1.38	12.96
WSC, %DM	166	5.64	2.23	1.58	14.58
Fat, %DM	166	2.81	0.32	1.74	3.85
TFA, %DM	166	2.22	0.29	1.37	3.09
Ash, %DM	166	3.74	0.67	2.15	5.66
Calcium, %DM	166	0.23	0.05	0.08	0.52
Phosphorus, %DM	166	0.20	0.03	0.03	0.29
Potassium, %DM	166	0.83	0.18	0.05	1.32
Magnesium, %DM	166	0.17	0.04	0.03	0.33
TDN _{1x} , %DM	166	74.65	2.33	64.98	79.54
NEL _{3x} , Mcal/KgDM	160	1.59	0.04	1.42	1.69
NEG, Mcal/KgDM	166	1.12	0.06	0.87	1.24
Relative Feed Quality	166	215.36	25.83	148.42	304.81

SOUTHWESTERN ONTARIO CORN GRAIN
SEPTEMBER 2025 - JANUARY 2026

Item	N° Samples	Mean	S.D.	Min	Max
ONTARIO – High moisture corn					
Moisture, %	90	28.84	4.04	18.24	43.05
Protein (N x 6.25), %DM	90	7.40	0.62	5.61	9.05
Soluble protein, %DM	90	3.58	0.79	2.19	5.94
ADF-CP, %DM	90	0.37	0.11	0.10	0.55
NDF-CP, %DM	90	0.55	0.20	0.32	1.34
ADF, %DM	90	2.26	0.54	0.82	4.81
aNDFom, %DM	90	7.47	0.94	5.57	12.39
Starch, %DM	90	72.72	2.03	66.71	77.00
SCHD-7h, %SCH	88	56.56	7.01	46.14	82.66
ESC, %DM	88	2.43	0.73	0.65	3.74
WSC, %DM	90	3.02	0.79	1.16	4.46
Fat, %DM	90	3.87	0.29	3.21	4.79
TFA, %DM	90	3.51	0.25	2.92	4.23
Ash, %DM	90	1.30	0.18	0.88	2.01
Calcium, %DM	90	0.02	0.04	0.00	0.21
Phosphorus, %DM	90	0.26	0.04	0.18	0.37
Potassium, %DM	90	0.34	0.04	0.25	0.45
Magnesium, %DM	90	0.10	0.02	0.07	0.20
TDN _{1x} , %DM	90	89.52	0.44	87.75	90.15
NEL _{3x} , Mcal/KgDM	88	1.88	0.01	1.84	1.90
NEG, Mcal/KgDM	90	1.49	0.01	1.44	1.54
ONTARIO – Corn & Cob Meal					
Moisture, %	40	39.78	5.08	27.76	51.00
Protein (N x 6.25), %DM	40	6.79	0.82	5.06	8.38
Soluble protein, %DM	40	3.71	0.97	2.11	5.87
ADF-CP, %DM	40	0.34	0.16	0.10	0.64
NDF-CP, %DM	40	0.71	0.14	0.42	1.01
ADF, %DM	40	8.43	2.06	4.83	14.37
aNDFom, %DM	40	16.45	3.29	10.96	26.26
Starch, %DM	40	60.56	4.76	49.09	68.05
SCHD-7h, %SCH	40	63.21	6.04	51.19	77.54
ESC, %DM	40	2.91	1.09	0.55	5.29
WSC, %DM	40	3.54	1.19	0.95	6.17
Fat, %DM	40	3.36	0.26	2.85	3.88
TFA, %DM	40	3.02	0.22	2.59	3.53
Ash, %DM	40	1.82	0.25	1.35	2.23
Calcium, %DM	40	0.03	0.02	0.01	0.09
Phosphorus, %DM	40	0.24	0.04	0.13	0.32
Potassium, %DM	40	0.42	0.08	0.26	0.60
Magnesium, %DM	40	0.10	0.01	0.07	0.14
TDN _{1x} , %DM	40	84.79	1.35	81.06	87.37
NEL _{3x} , Mcal/KgDM	40	1.78	0.03	1.71	1.83