

**NDSU Carrington Research Extension Center
2012 Variety Trial Data**

Cool-season Forages **Carrington (Page 1 of 2)**

Variety	Forage Treatment	Harvest Stage	Days to Heading	Days to Bloom	Plant Height inch	Vine Length inch	Treatment Lodge 0-9	Harvest Moisture %	Yield 15 % M ton/ac	Yield DM ton/ac
Arvika	forage pea	flat pod	.	48.5	.	50.2	4.8	86.9	1.42	1.20
Flex	forage pea	flat pod	.	49.0	.	47.6	4.8	87.5	1.33	1.13
E126	forage oat	late boot	.	.	33.3	.	0.0	84.0	2.93	2.49
E126-Fert	forage oat + 90 lb N	late boot	.	.	33.2	.	0.0	83.7	3.22	2.74
E126/Arvika	for.oat & for.pea	late boot/flat pod	.	48.5	29.0	44.8	5.3	80.7	2.57	2.19
E126/Flex	for.oat & for.pea	late boot/flat pod	.	48.8	28.8	38.9	1.8	83.9	2.10	1.79
Haybet	forage barley	watery ripe	49.0	.	35.0	38.6	0.0	75.2	2.82	2.40
Haybet-Fert	for.barley + 90 lb N	watery ripe	49.0	.	36.0	.	0.0	76.7	3.13	2.66
Haybet/Arvika	for.barley & for.pea	watery ripe/flat pod	50.8	48.3	32.0	44.9	4.5	82.7	2.17	1.84
Haybet/Flex	for.barley & for.pea	watery ripe/flat pod	50.5	49.0	35.2	.	1.3	78.9	2.48	2.11
Hayes	forage barley	watery ripe	52.3	.	32.5	.	0.0	76.2	2.76	2.35
HiFi	oat	watery ripe	53.3	.	40.4	.	0.0	75.5	3.49	2.97
Kona	forage oat	watery ripe	55.4	.	32.9	.	0.0	77.7	3.32	2.82
Kona-Fert	for.oat + 90 lb N	watery ripe	55.6	.	34.6	.	0.0	78.8	3.19	2.71
Kona/Arvika	for.oat & for.pea	watery ripe/flat pod	55.9	48.3	32.4	44.6	2.5	80.5	2.50	2.13
Kona/Flex	for.oat & for.pea	watery ripe/flat pod	55.8	49.3	32.5	32.6	0.0	80.4	2.69	2.28
Newberg	oat	early milk	51.5	.	43.1	.	0.0	75.1	3.68	3.13
Rockford	oat	early milk	52.8	.	40.5	.	0.0	76.8	3.69	3.14
Trical 141	forage triticale	anthesis	54.9	.	46.6	.	0.0	76.1	3.55	3.02
Trical 141-Fert	for. triticale + 90 lb N	anthesis	55.7	.	44.0	.	0.0	77.5	3.43	2.91
Trical 141/Arvika	for.triticale & for.pea	anthesis/flat pod	54.8	49.0	45.1	35.6	1.0	76.0	3.25	2.76
Trical 141/Flex	for. triticale & for.pea	anthesis/flat pod	54.2	50.7	45.3	31.3	0.0	74.5	3.46	2.94
Trical 2700	forage triticale	anthesis	53.3	.	45.2	.	0.0	74.8	3.34	2.84
Mean			53.1	48.8	37.0	40.9	1.1	79.1	2.89	2.46
C.V. (%)			1.5	1.0	5.5	10.0	82.8	2.2	9.6	9.6
LSD 0.05			1.1	0.7	2.9	5.9	1.3	2.4	0.39	0.33

Planting Date = May 2; Previous Crop = Wheat

Trial treatments harvested: July 2 - barley, barley/pea and pea treatments; July 5 - oat, oat/pea, triticale, and triticale/pea treatments.

Fall soil test indicated 67 lb N/ac., Fert. Treatments had an additional 90 lb. N applied on May 29 .

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Forage Treatment	Forage Treatment	Crude Protein	ADF	NDF	Ca	P	Mg	K	S	TDN	RFV
----- % -----											
Arvika	forage pea	21.4	29.2	35.3	1.42	0.41	0.25	3.50	0.34	66.1	175.3
Flex	forage pea	22.5	30.8	35.7	1.32	0.46	0.25	3.61	0.34	64.9	171.8
E126	forage oat	13.1	34.3	52.3	0.63	0.43	0.19	3.54	0.22	62.2	110.7
E126-Fert	forage oat + 90 lb N	13.6	33.5	51.9	0.67	0.42	0.20	3.55	0.22	62.8	113.0
E126/Arvika	for.oat & for.pea	16.1	28.7	40.4	1.01	0.39	0.24	3.56	0.27	66.6	153.9
E126/Flex	for.oat & for.pea	16.5	29.5	42.4	0.90	0.42	0.22	3.66	0.26	65.9	144.6
Haybet	forage barley	12.1	34.1	55.4	0.65	0.34	0.18	3.12	0.17	62.3	104.8
Haybet-Fert	for.barley + 90 lb N	14.3	35.4	56.0	0.59	0.39	0.18	3.19	0.20	61.3	102.1
Haybet/Arvika	for.barley & for.pea	17.8	31.4	42.5	1.16	0.38	0.23	3.51	0.26	64.4	142.9
Haybet/Flex	for.barley & for.pea	15.5	34.1	49.2	0.91	0.39	0.21	3.35	0.23	62.3	120.0
Hayes	forage barley	11.7	33.4	55.3	0.53	0.37	0.18	3.22	0.17	62.9	106.1
HiFi	oat	11.4	36.8	56.8	0.57	0.38	0.18	3.29	0.19	60.2	98.7
Kona	forage oat	12.2	36.4	56.5	0.59	0.40	0.19	3.51	0.20	60.6	99.9
Kona-Fert	for.oat + 90 lb N	13.6	35.9	55.5	0.61	0.40	0.20	3.41	0.22	60.9	102.2
Kona/Arvika	for.oat & for.pea	16.7	32.8	44.4	1.05	0.38	0.24	3.46	0.28	63.3	135.8
Kona/Flex	for.oat & for.pea	13.5	36.5	53.6	0.69	0.38	0.21	3.48	0.24	60.5	105.0
Newberg	oat	11.2	37.1	57.2	0.55	0.38	0.18	3.44	0.18	60.0	97.9
Rockford	oat	11.1	37.4	57.6	0.50	0.38	0.18	3.39	0.17	59.7	96.4
Trical 141	forage triticale	12.3	39.0	60.7	0.51	0.40	0.17	3.36	0.17	58.5	89.8
Trical 141-Fert	for. triticale + 90 lb N	13.9	37.2	57.6	0.47	0.40	0.19	3.55	0.18	59.9	96.6
Trical 141/Arvika	for.triticale & for.pea	14.3	34.7	53.0	0.75	0.39	0.20	3.44	0.20	61.9	109.1
Trical 141/Flex	for. triticale & for.pea	13.2	35.6	56.3	0.59	0.38	0.18	3.48	0.18	61.2	101.1
Trical 2700	forage triticale	12.2	38.4	59.5	0.55	0.39	0.16	3.50	0.15	59.0	92.3
Mean		14.4	34.4	51.5	0.74	0.39	0.20	3.40	0.22	62.1	116.0
C.V. (%)		11.8	5.7	5.7	14.1	6.2	7.2	4.7	11.3	2.5	10.1
LSD 0.05		2.4	2.8	4.2	0.15	0.03	0.02	0.23	0.04	2.2	16.5