

**NDSU Carrington Research Extension Center
2007 Variety Trial Data**

Cool-Season Forages																			Carrington		
Variety	Plant type	-- Plant Height --				-- Yield --											Harvest Stage	Harvest Date	Days to Harvest		
		Cereal	Legume	Harvest Moisture	Plant Lodge	15% M	Dry wt.	CP	ADF	NDF	Ca	Phos	Mg	Pot	S	TDN				RFV	
		inch	inch	%	0-9	ton/ac	----- % DM -----														
AP-2	forage pea	.	28.4	79.5	1.5	2.2	2.0	17.5	30.7	41.1	1.42	0.31	0.29	2.93	0.32	65.0	148	flat pod	9-Jul	60	
AP-2 + E126	forage pea + forage oat	30.2	23.6	67.9	0.3	2.4	2.1	12.4	31.9	52.8	0.59	0.30	0.18	1.90	0.22	64.1	113	mature/early milk	25-Jul	76	
Admiral	field pea	.	23.3	79.0	2.0	2.7	2.3	17.4	29.2	37.5	1.25	0.33	0.26	3.06	0.27	66.2	164	swelled pods	9-Jul	60	
Arvika	forage pea	.	40.7	79.4	2.8	2.6	2.3	19.0	29.2	40.3	1.35	0.31	0.27	2.77	0.35	66.2	153	flat pod	9-Jul	60	
Arvika + E126	forage pea + forage oat	31.5	33.3	65.0	0.5	3.2	2.8	14.5	29.3	42.2	0.87	0.31	0.21	2.41	0.22	66.1	139	green/early milk	25-Jul	76	
Bestford	forage barley	30.5	.	70.4	0.0	2.5	2.2	11.4	28.8	49.9	0.39	0.31	0.15	2.23	0.18	66.5	124	early dough	18-Jul	69	
Everleaf 126	forage oat	31.1	.	68.7	0.0	3.0	2.6	11.8	35.2	57.8	0.57	0.29	0.16	2.70	0.22	61.5	99	early milk	25-Jul	76	
Forage Plus	forage oat	33.5	.	71.7	0.0	3.0	2.6	11.6	33.1	55.6	0.53	0.31	0.16	2.78	0.20	63.1	106	early milk	20-Jul	71	
Forager + E126	forage pea + forage oat	30.5	28.6	67.6	0.3	2.8	2.4	12.9	32.3	51.7	0.64	0.30	0.18	2.50	0.23	63.7	115	mature/early milk	25-Jul	76	
Haybet	forage barley	30.5	.	65.3	2.0	3.3	2.9	11.5	29.1	48.2	0.51	0.29	0.12	2.09	0.18	66.2	128	dough	18-Jul	69	
Haybet + Arvika	forage barley + forage pea	31.2	31.4	67.8	4.5	2.8	2.4	12.5	27.8	44.5	0.73	0.28	0.17	2.13	0.20	67.2	140	Pods swelled/dough	18-Jul	69	
Hayes	forage barley	25.7	.	66.3	0.0	3.0	2.6	11.1	29.1	49.4	0.46	0.27	0.14	2.03	0.17	66.2	125	early dough	18-Jul	69	
Indianhead	black lentil	.	13.3	73.0	0.0	1.7	1.4	14.2	28.6	41.5	1.22	0.32	0.31	2.50	0.19	66.6	150	flat pods	18-Jul	69	
Jerry	grain oat	34.6	.	70.2	0.0	2.4	2.1	12.1	33.4	54.6	0.56	0.28	0.16	2.48	0.21	62.9	107	early milk	12-Jul	63	
Journey	forage pea	37.5	.	79.7	5.5	2.3	2.0	17.5	30.0	40.6	1.18	0.34	0.26	3.00	0.30	65.6	150	Pods swelled	9-Jul	60	
Journey + E126	forage pea + forage oat	31.1	26.7	66.9	0.0	2.3	2.0	13.4	31.2	50.7	0.70	0.30	0.19	2.43	0.22	64.6	119	mature/early milk	25-Jul	76	
Journey + SW 033204	forage pea + forage oat	33.5	24.7	70.0	0.8	2.0	1.8	13.0	29.8	47.6	0.67	0.31	0.18	2.41	0.20	65.7	129	large pods/early milk	18-Jul	69	
Kiber + E126	forage pea + forage oat	28.8	31.9	65.1	0.0	2.7	2.3	13.1	31.8	47.6	0.88	0.28	0.20	2.48	0.24	64.2	126	mature/early milk	25-Jul	76	
Marquee + E126	grain pea + forage oat	31.5	18.3	68.1	0.3	2.7	2.3	11.6	33.6	55.5	0.60	0.28	0.16	2.85	0.20	62.7	105	mature/early milk	25-Jul	76	
ND Exp.	experimental oat	38.4	.	70.5	0.0	2.7	2.3	11.7	34.0	55.8	0.46	0.31	0.15	2.36	0.19	62.4	104	early milk	18-Jul	69	
NPZ HFE 05-292 + E126	forage pea + forage oat	29.6	27.0	65.4	0.0	2.6	2.3	12.7	33.1	54.4	0.59	0.29	0.19	2.41	0.23	63.1	108	green/early milk	25-Jul	76	
NPZ HFE 05-299 + E126	forage pea + forage oat	30.2	28.2	63.0	0.0	2.8	2.4	12.9	31.8	52.0	0.66	0.29	0.18	2.59	0.22	64.1	117	mature/early milk	25-Jul	76	
Paul	naked oat	35.7	.	67.0	0.0	3.5	3.0	11.5	32.8	53.3	0.48	0.30	0.15	2.19	0.17	63.3	110	early milk	18-Jul	69	
Paul + Admiral	naked oat + field pea	33.3	16.9	68.6	0.0	2.6	2.3	12.2	29.7	46.4	0.69	0.30	0.17	2.19	0.19	65.8	132	early milk/large pods	18-Jul	69	
Paul + Arvika	naked oat + forage pea	35.7	30.1	71.0	1.3	2.9	2.6	12.8	31.0	48.3	0.70	0.29	0.19	2.28	0.22	64.8	126	early milk/plods swellec	18-Jul	69	
Paul + Indianhead	naked oat + black lentil	36.4	11.3	69.7	0.0	2.5	2.2	10.9	32.8	52.8	0.52	0.29	0.16	2.10	0.16	63.4	112	early milk/end flower	18-Jul	69	
Paul + Piper	naked oat + sudangrass	34.7	9.7	70.6	0.0	2.6	2.3	11.4	32.9	54.0	0.48	0.29	0.16	2.19	0.18	63.3	109	early milk/vegetative	18-Jul	69	
SW 033204	forage oat	34.9	.	71.2	0.0	2.9	2.5	12.3	33.3	55.2	0.50	0.32	0.16	2.49	0.20	63.0	106	early milk	18-Jul	69	
Souris	grain oat	32.9	.	69.8	0.0	2.2	1.9	10.8	30.7	51.5	0.48	0.28	0.16	2.03	0.17	65.0	118	early milk	12-Jul	63	
Stark	naked oat	38.1	.	69.6	0.0	2.6	2.3	10.4	31.3	52.1	0.48	0.28	0.15	2.14	0.16	64.5	115	early milk	20-Jul	71	
T2700	triticale	40.4	.	71.2	0.0	2.8	2.5	13.1	35.1	58.9	0.46	0.30	0.15	2.46	0.20	61.5	97	anthesis	9-Jul	60	
T2700 + 4010	triticale + forage pea	37.6	30.9	73.5	0.0	2.5	2.2	14.5	31.9	51.2	0.73	0.29	0.20	2.54	0.25	64.0	117	anthesis/full flower	9-Jul	60	
T2700 + Arvika	triticale + forage pea	37.8	35.4	74.7	0.3	3.3	2.9	15.5	32.1	50.5	0.80	0.31	0.19	2.96	0.26	63.9	118	anthesis/flat pod	9-Jul	60	
Verdan	forage barley	26.8	.	69.2	0.0	1.9	1.7	13.1	31.5	52.5	0.55	0.28	0.18	2.24	0.22	64.4	114	5 days after head	12-Jul	63	
Westford	forage barley	30.3	.	72.4	0.0	2.7	2.4	12.6	28.9	49.6	0.46	0.32	0.17	2.35	0.20	66.4	125	early dough	18-Jul	69	
Second Cutting - September 19																					
Paul + Piper	naked oat + sudangrass	24.6	39.3	71.1	0.0	2.0	1.7														
Mean		32.7	26.5	70.3	0.6	2.6	2.3	13.1	31.1	49.9	0.7	0.3	0.2	2.4	0.2	64.5	121.9				
C.V.%		6.4	13.4	3.2	110.8	14.6	14.5	6.4	6.4	6.9	15.8	5.9	9.7	11.4	8.4	1.9	8.2				
LSD .05		3.0	5.0	3.1	1.0	0.8	0.7	1.4	2.6	5.6	0.2	0.0	0.0	0.5	0.0	2.1	16.2				

Planting Date = May 10; Previous Crop = Spring Wheat