

**NDSU Carrington Research Extension Center
2014 Variety Trial Data**

Buckwheat

Carrington

Variety	Days to Bloom	Plant Lodge	Plant Height	1000 KWT	Test Weight	-----Seed Yield-----	
						2014	3-yr. Avg.
		0-9	inch	gram	lb/bu	-----lb/ac-----	
AC Springfield	32.5	1.0	39.8	32.3	46.3	872.9	--
Devyatka	31.0	3.5	29.2	27.7	46.9	711.9	--
Horizon	37.3	0.5	42.0	33.7	47.6	653.8	758.5
Koma	36.0	0.5	37.2	30.5	48.9	626.1	417.7
Koto	33.3	1.0	37.9	32.3	48.0	869.9	631.4
Manor	33.0	0.8	38.9	26.6	46.7	761.1	706.4
Mean	33.8	1.2	37.5	30.5	47.2	749.3	--
C.V. (%)	2.2	46	5.3	3.2	1.1	11.9	--
LSD 0.10	0.9	0.7	2.5	1.2	0.6	110.8	--

Planting Date = June 29; Harvest Date = August 29; Previous Crop = Barley

**NDSU Carrington Research Extension Center
2014 Variety Trial Data**

Buckwheat - Organic

Carrington

Variety	Days to Bloom	Plant Lodge	Plant Height	1000 KWT	Test Weight	-----Seed Yield-----	
						2014	3-yr. Avg.
		0-9	inch	gram	lb/bu	-----lb/ac-----	
AC Springfield	35.3	1.0	37.5	28.7	44.1	535.0	--
Devyatka	31.5	2.0	28.5	26.7	47.0	579.0	--
Horizon	38.3	0.3	39.2	29.7	44.7	462.4	832.9
Koma	37.0	0.3	35.1	26.5	46.3	353.4	--
Koto	35.8	0.8	34.3	28.8	45.7	541.6	715.4
Manor	35.5	0.5	37.6	23.0	43.8	489.5	868.5
Mean	35.5	0.8	35.4	27.2	45.0	493.5	--
C.V. (%)	1.3	107.0	5.5	3.4	0.9	22.2	--
LSD 0.10	0.6	1.1	2.4	1.1	0.5	142.1	--

Planting Date = June 29; Harvest Date = August 28; Previous Crop = Emmer

Results from work by Kristofor Ludvigson and Kevin Murphy from eastern Washington.

WSU 2014 Eggert Family Organic Farm (EFOF) Buckwheat Variety Trial

Variety:	Days to Bloom:	Plant Height (in):	Protein %:	Nitrogen %:	Seed Yield (grams/400ft ²):
AC Springfield	40	42.13	14.16	2.34	2.5
Devyatka	31	36	15.20	2.43	5.67
Horizon	43	43	16.18	2.6	2.58
Koma	43	43.31	15.96	2.5	3.19
Kota	41	45	14.92	2.82	2.41
Manor	43	41.34	16.22	2.6	2.84
Nash 1Y	43	48.43	13.81	2.21	3.43

*Plant Date=06/13/2014, Harvest Date=10/09/2014

*Trial Size (total): 5,130ft² or ~0.12 acre

*Protein and Nitrogen analysis based off ~0.15 gram samples of each replication.

*Variety trial was planted ~3 weeks later than we had intended, and we had issues that may have contributed to lack of seed set/low final plot yield (e.g., drought, excessive heat).

2014 Trial

East

Range	Name	Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9
6	Name	Koma	Koma	Koma	Koma	Koma	Koma	Koma	Koma	Koma
5	Name	Koma	Koto	Devyat	AC Spri	Koma	Nash 1Y	Manor	Horizon	Koma
4	Name	Koma	AC Spri	Nash 1Y	Koma	Koto	Devyat	Manor	Horizon	Koma
3	Name	Koma	Koto	Koma	Nash 1Y	Horizon	AC Spri	Manor	Devyat	Koma
2	Name	Koma	Koto	Manor	Koma	AC Spri	Horizon	Nash 1Y	Devyat	Koma
1	Name	Koma	Koma	Koma	Koma	Koma	Koma	Koma	Koma	Koma

West

Trial Size: 114ft x 45ft

Individual Plot Size: 25ft x 4ft