

NDSU Carrington Research Extension Center
2011 Variety Trial Data

Organic Potato - Dryland										Carrington		
Variety	Type	Skin/flesh color	Days to		Plant Disease ³	Days to		Tuber Weight ⁵	Yield B	Yield #1 ⁶	----- Total Yield -----	
			Emergence ¹	Vigor ²		Brown Vines ⁴	3-yr.				2011	Avg.
			1-10	1-10				gram	cwt/ac	cwt/ac	----- cwt/ac -----	
Burbank	russet	brown russet/white	33.0	6.3	6.8	115.8	127.7	51.5	131.0	182.5	167.4	
Butte	russet	brown russet/white	35.3	4.5	9.5	123.8	124.1	56.6	116.2	172.8	173.5	
Caribe	specialty	purple/white	32.5	7.5	4.0	106.0	137.6	23.4	167.1	190.5	175.8	
Defander	white	white/white	32.0	6.8	8.3	123.5	95.0	100.6	88.9	189.4	--	
Kennebec	white	white/white	31.8	8.3	6.8	118.0	186.5	16.0	234.1	250.1	206.0	
Missaukee	white	white netted/white	33.3	5.5	9.8	123.5	94.9	64.7	194.7	259.3	--	
Russian Banana	fingerling	golden/golden	34.5	1.8	9.0	116.3	42.2	.	104.1	104.1	--	
Prairie Blush	yellow	golden/golden	31.8	8.8	2.3	103.8	138.5	13.5	165.5	179.0	--	
Yukon Gem	yellow	golden/golden	31.3	6.5	4.3	111.3	105.1	25.4	100.5	126.0	--	
Yukon Gold	yellow	golden/golden	32.3	8.5	3.3	103.8	156.3	10.1	194.3	204.4	173.1	
Jacqueline Lee	yellow	golden/golden	37.5	3.8	9.8	122.0	110.9	112.7	147.3	260.0	--	
Sangre	red	red/white	34.8	2.5	8.0	120.5	145.6	39.2	158.2	197.4	180.1	
Dark Red Norland	red	red/white	32.0	7.0	1.8	103.3	134.4	17.0	161.5	178.5	--	
Red Cloud	red	red/white	35.8	2.0	7.5	118.8	160.8	17.9	255.8	273.7	--	
Red Norland	red	red/white	29.5	8.0	1.0	98.5	123.0	22.2	152.4	174.6	172.9	
Red Pontiac	red	red/white	30.3	6.3	4.0	113.8	194.7	16.5	162.1	178.6	--	
Mean			32.9	5.9	6.0	113.9	129.8	39.2	158.4	195.1	--	
C.V. (%)			3.6	27.8	19.4	3.0	16.1	34.1	18.6	15.1	--	
LSD 0.05			1.7	2.3	1.7	4.9	29.9	19.1	41.9	42.1	--	

Planting Date = May 10; Harvest Date = September 19; Previous Crop = Cover crop mixture (sorghum/sudan, italian ryegrass, pearl millet, berseem & crimson clover, black lentil, turnip, and rape)

¹ Days to emergence = days from planting to 75% plants emerged

² Vigor indicates early season plant growth, 1=least vigor while 10=greatest

³ Trial was infected with an unidentified disease. This disease caused the plants to dry down and die early. Plants were rated on August 16 with 1 = most disease while 10 = least disease.

⁴ Days to brown vines = days from planting to 95% of vines dry.

⁵ Tuber weight = weight in grams of an average tuber.

⁶ Fingerlings were not sized, therefore all yield is reported as #1

* This trial experienced a hail storm on July 24