

**NDSU Carrington Research Extension Center
2010 Variety Trial Data**

Organic Potato - Dryland	Carrington
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Variety	Type	Skin/flesh color	Days to Emergence ¹	Vigor ²	Tuber Weight ³	Yield B	Yield #1 ⁴	----- Total Yield ⁵ -----	
								2010	3-yr. Avg.
				1-10	gram	cwt/ac	cwt/ac	cwt/ac	
Russian Banana	fingerling	golden/golden	23.0	1.3	51.6	.	64.3	64.3	--
Burbank	russet	brown russet/white	23.0	3.0	137.1	63.1	59.1	122.2	--
Butte	russet	brown russet/white	23.0	3.8	130.1	44.3	90.8	135.1	180
Caribe	specialty	purple/white	23.5	6.3	156.8	18.8	136.2	155.0	167
Kennebec	white	white/white	20.8	6.5	178.3	16.3	159.0	175.2	181
La Ratte	fingerling	golden/golden	22.0	4.3	45.2	.	65.4	65.4	--
Red Norland	red	red/white	20.0	8.3	167.8	9.6	156.8	166.3	161
Red Pontiac	red	red/white	20.3	6.8	215.6	12.3	149.1	161.4	--
Sangre	red	red/white	25.8	1.8	126.4	29.4	126.3	155.6	--
Yukon Gold	yellow	golden/golden	22.5	7.5	164.4	5.6	149.0	154.6	141
Mean			22.4	4.9	137.3	24.9	115.6	135.5	--
C.V. (%)			4.2	39.0	14.3	34.3	17.2	13.7	--
LSD 0.05			1.4	2.8	28.5	12.6	28.8	27.0	--

Planting Date = May 17; Harvest Date = September 17; Previous Crop = Cover Crop (winter rye, annual ryegrass, hairy vetch, berseem clover, turnip, and rape)

¹ Days to emergence = days from planting to 75 percent of plants emerged

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

³ Tuber weight = weight in grams of an average tuber

⁴ Fingerlings were not sized, therefore all yield is reported as #1

⁵ Trial was infected with brown spot, or *Alternaria alternata*. This disease caused the plants to dry down and die early. Yields were reduced due to this infection.