

2010 Evaluation of Seed Source in Organic Potato Production

NDSU Carring Research Extension Center

Dryland Organic Potato Seed Source Trial

Seed Source *	Days to emergence	Tuber Wt. grams	Yield B cwt/ac	Yield #1 cwt/ac	Total Yield cwt/ac
Wood Prairie Farm	37.5	149.5	15.4	135.2	150.6
CREC1	36.7	152.8	9.2	99.2	108.4
CREC2	37.3	175.3	14.4	147.5	161.9
Fedco	36	154.0	10.7	117.7	128.4
Johnneys	36.5	190.6	8.2	124.5	132.7
High Mowing	38.5	164.9	10.5	126.6	137
Irish Eyes	35.8	165.2	10.5	145.7	156.2
Seeds of Change	36	160.8	11.4	141.3	152.8
Seed Savers Exchange	33.5	163.5	10.8	154.2	165
White Mountain	35.3	176.4	9.5	145.7	155.2
Mean	36.3	165.5	11.1	134.6	145.7
C.V. %	4.7	8.5	32.4	13.5	13.1
LSD.05	2.5	20.5	5.2	26.4	27.6

Trial Planted, April 28

Trial Harvested, September 14

Previous Crop, Field Peas

Days to emergence days from planting to 75% plants emerged

Variety used is Yukon Gold, all seed sources are double certified, both organic and state

CREC1 & CREC2 are seed sources grown at the CREC from both certified organic and certified potato seed grade potatoes.

Numbers in parenthesis indicate the number of generations grown at CREC.

Trial was conducted under dryland conditions.

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.