

NDSU:Carrington Research Extension Center
Organic Potato Seed Source Trial
2010

Seed Source	Days to emergence	Tuber weight grams	Yield B cwt/ac	Yield #1 cwt/ac	Total yield cwt/ac
CREC1	36.7	152.8	9.2	99.2	108.4
CREC2	37.3	175.3	14.4	147.5	161.9
Fedco	36.0	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	137.0
Irish Eyes	35.8	165.2	10.5	145.7	156.2
Seeds of Change	36.0	160.8	11.4	141.3	152.8
Seed Savers Exchange	33.5	163.5	10.8	154.2	165.0
White Mountain	35.3	176.4	9.5	145.7	155.2
Wood Prairie	37.5	149.5	15.4	135.2	150.6
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.