

Evaluation of Seed Source in Organic Potato Production

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Irrigated Potato Seed Source						Carrington
Seed Source*	Days to Emergence ¹	Days to Drydown ²	Tuber Weight ³ gram	#1 Yield cwt/ac	B Yield cwt/ac	Total Yield cwt/ac
CREC**	37.5	99.8	197.0	156.6	8.6	165.2
Irish Eyes	31.3	98.3	200.9	177.1	10.9	188.0
MN (blue tag)	28.3	97.3	206.8	189.3	6.9	196.2
Seed Savers Exchange	37.5	100.5	205.1	162.7	8.6	171.3
Wood Prairie	32.5	99.5	192.0	193.2	6.8	200.0
Mean	33.4	99.1	200.4	175.8	8.4	184.1
C.V.%	6.9	1.1	9.8	13.2	35.6	13.6
LSD.05	3.5	1.6	NS	35.8	NS	NS

Planted Date = May 8; Harvest Date = September 8; Previous crop = Covercrop (oats, peas, lentils, turnips, and rape)

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

² Days to drydown = days from planting to 95% brown vines.

³ Tuber weight = weight in grams of average tuber

Trial received an additional 3.5" of irrigation (mid July-early August) above the 9.56" in season (May-August) rainfall.

*Variety used was Yukon Gold, all sources either grown or certified organic except MN (blue tag) which was conventionally grown.

**CREC was seed purchased from Irish Eyes in 2005 and grown each generation thereafter in the CREC test environment.