



2015 Potato Evaluation PMC

Alaskan potato growers and staff collaborated to select new varieties of interest in a 2015 field trial. Potato seed stock was acquired from various breeders and planted at the PMC. Approximately 8,000 single-hill plants were planted from over 1,000 seedling tuber families, each representing a genetically unique true seed potato. Additionally, 30 advanced-line variety selections were planted for evaluation in blocks of 50 or 25 tubers each. At our October harvest, the public was invited to participate in an evaluation where the varieties were assessed based on size, shape, uniformity, yield, and skin/flesh characteristics. From that, 80 varieties or lines of interest were retained. These varieties will be planted in spring 2016 in greater quantities and will be subjected to ongoing evaluations. It is hoped that, from this trial, the PMC will be able to provide new potato cultivars that perform well in Alaskan growing conditions and are of marketable value for producers statewide.

Characteristics of tubers retained:

<u>Skin Color</u>	<u>Russet</u>	<u>Light Russet</u>	<u>White</u>	<u>Yellow</u>	<u>Specialty</u>	<u>Red</u>
<u>Number retained</u>	14	12	25	14	11	4

Of the advanced line trials, the following varieties were retained:

<u>Variety or Line Retained</u>	<u>Variety or Line Retained</u>
05-121	Defender
08-181r	Merlot
08-326	ND 08068-5Russ
Alegria	Rus Norkotah Sel3
Allora	Sage Russet
Alpine Russet	Soraya
CO04063-4r/r	Wega
Crestone Russet	WND 8625-2Russ
Dakota Ruby	