

Rainier Russet AO06191-1

High Yielding, Medium to Late Dual Purpose

- **Very attractive tubers - low external defects**
- **Excellent Process and Early Fresh Merit**
- **Long Dormancy**
- **High early and full season yields**
- **High percent US No. 1**
- **High Specific Gravity**
- **Fusarium and Scab Resistance**
- **A99134-1 x AC92009-4RU**

Disease Ratings

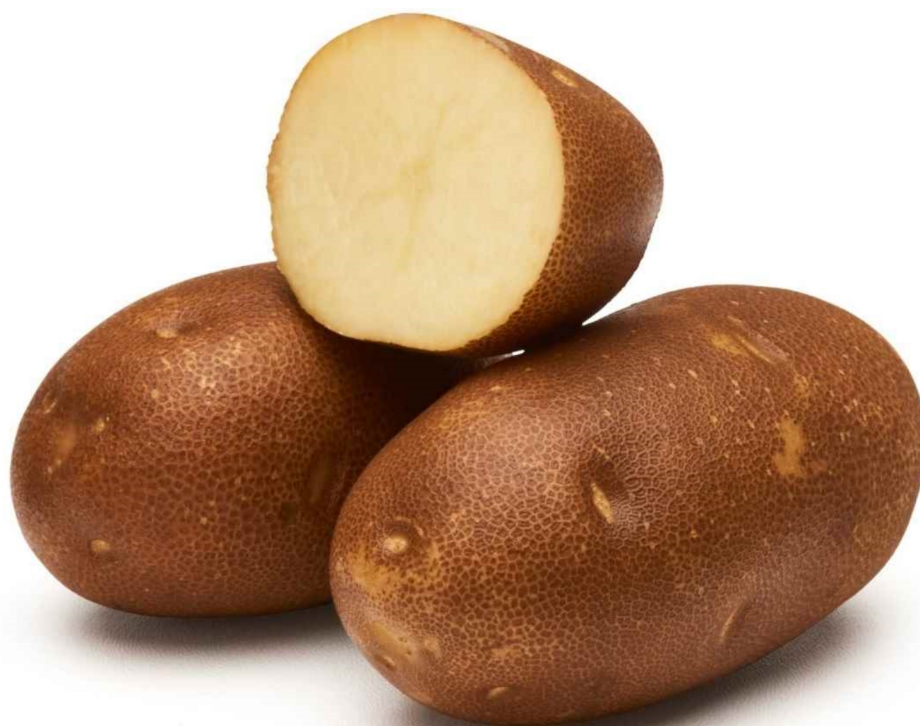
Early dying	mod susceptible
Common Scab	resistant
PVY	susceptible
PLRV	susceptible
Early Blight	mod resistant
Net Necrosis	mod susceptible
Soft rot	susceptible
Fusarium	resistant
Late Blight	mod susceptible

Verticillium wilt mod resistant

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Rainier Russet is a medium- to late-maturing selection with oblong to long, large russeted and attractive tubers. Total yields are similar to those of Russet Burbank and Ranger Russet and slightly higher than Russet Norkotah. However Rainier produced significantly higher percent of US No. 1 yields when compared with the standard varieties. It has high protein, high antioxidant level, high specific gravity, light fry color, low acrylamide level, and few internal and external tubers defects. In three years of evaluations in the Western Regional Potato Variety Trials, post-harvest merit scores for fresh and processing qualities were high for Rainier when compared to standard varieties.

The plant has medium to large-sized semi-erect vines with medium- to late-maturity. The tubers are large, heavily russeted and have evenly distributed eyes and long dormancy. Tubers have significantly higher specific gravity than Russet Burbank and Russet Norkotah. Post-harvest merit scores for fresh market and processing quality of Rainier Russet were higher than Russet Burbank and Ranger Russet and similar to Russet Norkotah but has superior fresh packability of individual tubers.

In the National Fry Processing Trial (NFPT) 2013 trials the acrylamide level of Rainier Russet consistently lower than Russet Burbank and Ranger Russet. Rainier Russet tubers are less susceptible to growth cracks, second growth, hollow heart/brown center, and internal brown spot than Russet Burbank tubers. Tuber net necrosis and shatter bruise for Rainier Russet was higher than Russet Burbank but still within acceptable limits. Blackspot bruise expression for Rainier Russet is similar to Russet Burbank.

Rainier Russet has won first place in the Russet Category for two years at the Oregon Potato Commission Goodness Unearthed Best Potato Award.

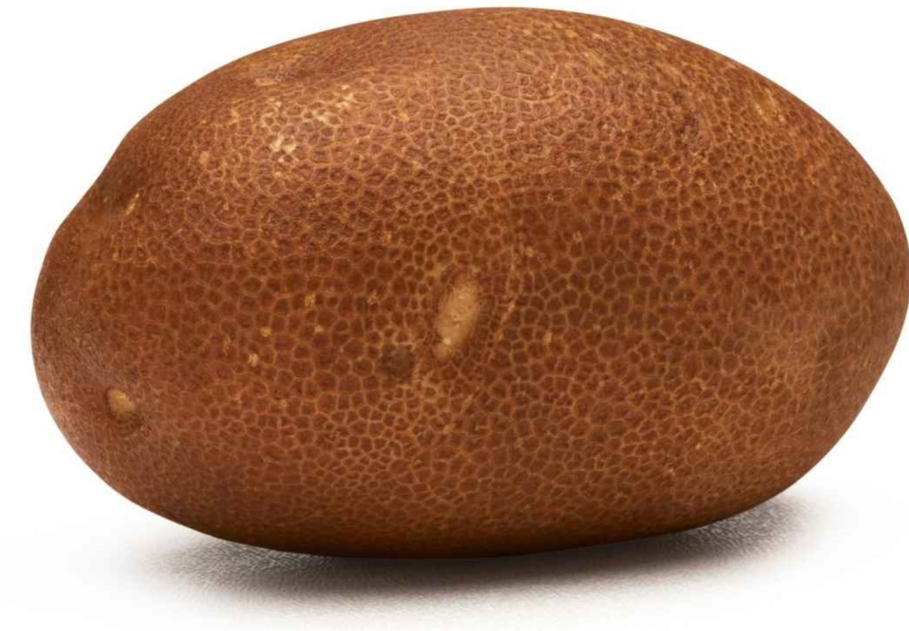
Fertility: Low to medium.

Defects and Disease Reactions:

Rainier Russet has show some hollow heart in early trials and shatter bruise in late trials.

Storage Notes:

Storage and dormancy similar to Russet Burbank.



The information contained within this flyer was supplied by researchers of the Northwest Potato Variety Development Program and their collaborators.