



RAINIER RUSSET

A High Yielding, Medium to Late Dual Purpose Variety



SUMMARY

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/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.

DISEASE RATINGS

RESISTANT

- Common Scab
- Fusarium

MODERATELY RESISTANT

- Common Scab
- Fusarium
- Verticillium Wilt

MODERATELY SUSCEPTIBLE

- Early Dying
- Net Necrosis
- Late Blight



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