

AF3362-1

A dual-purpose, russeted variety with high yields, mid-season maturity, and common scab resistance

Pedigree: Reeves Kingpin x Silverton Russet, University of Maine Potato Breeding

Tubers: Tubers are long with lightly russeted skin and white flesh. Tuber sizing has been good in most trials.

Plants: Large plants with excellent early vigor and mid-season maturity. Vine maturity is typically earlier than Russet Burbank. AF3362-1 is relatively tolerant to metribuzin herbicides.

Production and Marketing: This clone has produced very good yields and has had good fry color, especially when compared to Russet Burbank after 120 days or less. US#1 yields have averaged 115% of Russet Burbank in side-by-side trials. External appearance has been fair to good. AF3362-1 has had very low levels of hollow heart to date (much less than Russet Burbank). Baked scores have been good, while boiled scores have been inconsistent due to occasional sloughing problems. Blackspot and shatter bruise scores have typically been better than standard varieties. Specific gravity has been moderate, averaging 1.084 in ME trials.

Average N fertilizer rates typical of the production area are suggested. An in-row seedpiece spacing of 12 inches has worked well in ME trials.

Disease Resistance Characteristics: Resistant to net necrosis and golden nematode race Ro1. Moderately resistant to common scab.

Known Weaknesses: AF3362-1 has relatively short tuber dormancy. It has displayed susceptibility to internal heat necrosis in S.E. United States and New Jersey trials.

Release Status: Tissue culture plantlets and nuclear seed are available from the Maine Seed Potato Board. Check the Maine Certified Seed Potato Directory for commercial seed availability. PVP submission is anticipated.



Clockwise from top left: Leaf, plant (AF3362-1 plants in field, center two rows only), tuber, flower, and light sprout characteristics of AF3362-1.