

A91556-1W

"Ivory Rose[®]"



Ivory Rose[®] tested and released as A91556-1W, was initially selected in 1993 at Aberdeen, Idaho from a cross between BC0038-1 (a long, blocky, smooth white) and A8519-4 performed by Dr. Joe Pavek of the USDA, in 1991. It was evaluated and selected by the University of California from 1996 to 2001 in observational, replicated yield, nitrogen rate and spacing experiments at three locations – Kern County, Tulalake and Stockton Delta. The seed increase by this variety since 1998 has been accomplished by private industry. It was named and released by the University of California in 2003. Plant Variety Protection application has been made. California-Oregon Seed Co., Inc has an exclusive agreement for seed production and consumer marketing. Licensing in Canada has been requested.

Ivory Rose[®] is medium to late maturity with a potentially good yield if allowed to grow the full season. The tubers are very smooth, long and oval with shallow eyes; they have slightly raised eyebrows, a very bright white skin and flesh color, and intermediate number of eyes. Percent U.S. No. 1's and percent total marketable yield are similar to CalWhite and higher than White Rose. It is suitable for planting in Mediterranean climates in late winter and spring, and may be suitable for planting in northern latitudes as well. It has a vigorous vine that withstands hot temperatures and produces well under medium and long days. Tuber dormancy is not long but tuber development is slow during early and mid-season. Specific gravity is similar to CalWhite and higher than White Rose.

*University of California
Vegetable Research and Information Center
website: vric.ucdavis.edu*

September 2004

Breeding Line: A91556-1W

Parentage: BC0038-1 x A8519-4

Developer: University of California, USDA-ARS, California Potato Research Advisory Board

Plant Variety Protection: PVP application in 2003. Exclusive licensing in U.S. and Canada with California-Oregon Seed, Inc.

Culinary / Market Use: Fresh Market table-stock. Boiling, salad, soup. Resistant to after-cooking darkening.

Tuber Characteristics:

Shape: Long, oval

Eyes: Shallow

Skin: White

Flesh: White

Specific Gravity: Medium

Dormancy: Medium

Set: Medium

Defects: Resistant to hollow heart, second growths and heat sprouting; moderately resistant to internal necrosis, black spot, growth cracks, common scab. Susceptible to bruising.

Total Glycoalkaloids: Unknown

Vine Characteristics:

Emergence / Early Growth: Slow

Size / Shape: Medium to large/ Semi-erect to erect

Flower: White

Maturity: Medium to late

Leaves: Medium green

Agronomic Characteristics:

Spacing: 8 to 11 inches; medium number of tubers per plant.

Nitrogen: Moderate rates

Diseases: Moderately resistant to Fusarium seed piece decay and scab; Susceptible to storage soft rots, Late blight, PLRV, PVY, net necrosis; Moderately susceptible to Early blight, Verticillium wilt.

