

Mountain Rose

(CO94183-1R/R)

Parentage:

All Red x ND2109-7

Developer:

Colorado State University

Plant Variety Protection:

Applied for

Incentives for Production: Early maturity, early storage processing potential, and red flesh.

Morphological Characteristics

Plant: Medium-sized, semi-erect plant with reddish-purple flowers

Tubers: Oval, dark red, non-uniform red flesh

Agronomic Characteristics

Usage: Fresh market specialty with early storage processing potential.

Yield Potential: Medium-high total yield (average 398 cwt) with a smaller size profile. Percentage of US No. 1 tubers - 71% average.

Specific Gravity: Medium (average 1.081)

Maturity: Early

Tubers: Resistant to second growth and shatter bruise, and hollow heart.

Suggested Cultural Management: Current recommendations for nitrogen are to pre-plant (or at-planting) apply 80 lb/A. Add 20 lb/A nitrogen five weeks after planting and repeat the same application rate at weekly intervals until a total of 180 lb/A nitrogen is applied. Total applied nitrogen should not exceed 180 lb/A. Avoid late application of nitrogen (after July 30). Excessive nitrogen, applied late in



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Seed Availability: Certified seed is available from producers in Colorado.

Agronomic Characteristics (cont'd)

Suggested Cultural Management (cont'd)

the season, may delay maturity sufficiently to cause vine killing and/or storage problems.

Field observations have shown that **Mountain Rose** is tolerant to metribuzin. No injury has been observed when other commonly labeled herbicides have been used.

Storability: Dormancy 89 days at 45F (slightly shorter than All Blue).

Diseases: Moderately resistant to spread of leafroll and PVY with good expression. Foliar ring rot expression is typical and occurs well within 90 days of planting. Susceptible to blackleg. Vine growth is excellent and risk from foliar early blight is moderate to low. *Erwinia* tuber rot risk is moderate. *Fusarium* rot is rated slightly higher than Russet Norkotah and should not be of concern under normal conditions. Early blight tuber decay is low. **Mountain Rose** is susceptible to powdery scab and rated similar to DT6063-1R, but has a relatively low root galling index.