

Purple Majesty (CO94165-3P/P)

Parentage:

ND2008-2 x All Blue

Developer:

Colorado State University

Plant Variety Protection:

Yes



Incentives for Production: High total yield potential, early maturity, and uniform dark purple flesh.

Morphological Characteristics

Plant: Medium-sized, semi-erect plant with light blue flowers

Tubers: Oval, purple, uniform dark purple flesh

Agronomic Characteristics

Usage: Fresh market specialty with early storage processing potential.

Yield Potential: High total yield (average 498 cwt) with a smaller size profile. Percentage of US No. 1 tubers - 66% average.

Specific Gravity: Medium (average 1.083)

Maturity: Early

Tubers: Resistant to second growth and shatter bruise, and moderately resistant to 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 120 lb/A nitrogen is applied. Total applied nitrogen should not

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

Agronomic Characteristics (cont'd)

Suggested Cultural Management (cont'd): exceed 120 lb/A. Avoid late application of nitrogen (after July 15). Excessive nitrogen, applied late in the season, may delay maturity sufficiently to cause vine killing and/or storage problems.

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

Storability: Dormancy 69 days at 45F (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, but it is susceptible to pink rot. *Fusarium* rot is rated slightly higher than Russet Norkotah and should not be of concern under normal conditions. Early blight tuber decay is low. **Purple Majesty** is moderately susceptible to powdery scab tuber symptoms with a moderate root galling index.