

Boulder (MSF373-8)

Parentage: MS702-80 x NY88

Developers: Michigan State University and the Michigan Agricultural Experiment Station

Plant Variety Protection: In application

Strengths: Boulder is a round white selection with medium specific gravity that can be used in both the tablestock and chip-processing markets. The tubers of Boulder are large in size with a low incidence of internal defects. Boulder yields well under both irrigated and dryland conditions.



Weaknesses: Over-size tubers may have deep eyes similar to Red Pontiac.

Incentives for production: High percentage of A-size tubers and excellent culinary quality.

Seed Availability: Virus-free tissue culture plantlets of Boulder were sent to Sklarczyk Seed Farm (8714 M32 East, Johannesburg, MI 49751 phone 989-731-5452) and Krueger Seed Farm (2797 W. Hawkes Hwy., Hawks, MI 49743 phone 989-734-7366). Small amounts of seed for testing can be obtained from Dave Douches at Michigan State University (517-884-6946, douchesd@msu.edu).

Morphological Characteristics:

Plant: Semi-erect vine is medium to tall in height, with a balance between visible stems and foliage, and violet colored flowers.

Tubers: Round tubers with a bright and smooth, tan colored skin. Tubers have creamy flesh with a low incidence of internal defects. Total glycoalkaloids in the tuber are low.

Agronomic Characteristics:

Maturity: Full-season

Tubers: Round tubers with a bright and smooth, tan colored skin and a creamy flesh.

Yield: High yield under irrigated and dryland conditions. Greater or equivalent to Atlantic.

Specific Gravity: About 1.075 in Michigan, but averages 1.080 in the North Central Region.

Culinary Quality: The cooked white flesh of Boulder has an attractive good appearance and the taste is smooth and pleasant. Boulder scored above average in blind taste tests for baked, steamed, and microwaved.

Foliage: Medium to tall, semi-erect vine.

Diseases: Intermediate resistance to common scab, better than Atlantic.

Storability: Medium dormancy comparable to Atlantic.