

Liberator (MSA091-1)

Parentage: MS702-80 x Norchip

Developers: Michigan State University and the Michigan Agricultural Experiment Station

Plant Variety Protection: In application

Strengths: Liberator is a round white chip-processing variety with a medium set of bright-skinned tubers. The primary strength of this variety is its strong resistance to scab (*Streptomyces scabies* Thaxter) combined with chip-processing quality and high specific gravity.



Weaknesses: A low percentage of misshapen tubers can occur under stressed conditions.

Incentives for production: Excellent chip-processing quality and high specific gravity combined with strong resistance to common scab.

Seed Availability: Virus-free tissue culture plantlets of Liberator 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 white colored flowers.

Tubers: Round tubers with a bright and smooth, buff colored skin. Tubers have creamy flesh with a low incidence of internal defects.

Agronomic Characteristics:

Maturity: Full-season

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

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

Specific Gravity: About 1.083 in Michigan.

Culinary Quality: Excellent chip-processing from long-term storage.

Foliage: Medium to tall, semi-erect vine.

Diseases: Strong resistance to common scab.

Storability: Medium dormancy comparable to Atlantic.