

## Missaukee (MSJ461-1)

**Parentage:** Tollocan X NY88

**Developers:** Michigan State University and the Michigan Agricultural Experiment Station, Michigan Potato Industry Commission

**Plant Variety Protection:** Plant Variety Protection is being considered for this variety.



**Strengths:** MSJ461-1 is a round white chip-processing variety with an attractive round shape and bright skin. The primary strength of this variety is its strong foliar resistance to late blight (*Phytophthora infestans*) combined with chip-processing quality. MSJ461-1 can also be marketed as tablestock because of its good culinary quality. The tubers will chip process out-of-the-field and from 10°C (50°F) storage. MSJ461-1 performed well in Michigan on-farm trials and regional testing. Under irrigated conditions, the yield is similar to Snowden. MSJ461-1 is being considered for release, although no name has yet been chosen for this line.

**Weaknesses:** The specific gravity of MSJ461-1 is lower than Snowden in Michigan.

**Incentives for production:** Uniform tuber yield combined with strong foliar resistance to late blight and chip-processing quality.

**Seed Availability:** 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:** Medium to tall height, erect vines with a balance between stems and foliage visible, and violet colored flowers.

**Tubers:** Round tubers with a bright, netted skin. Tubers have white flesh and excellent internal quality with a low incidence of internal defects. Total glycoalkaloids in the tuber are low.

### ***Agronomic Characteristics:***

**Maturity:** Full-season, similar to Snowden.

**Tubers:** Round tubers with bright, netted skin and white flesh.

**Yield:** Uniform yield under irrigated conditions. Similar to Snowden.

**Specific Gravity:** Average of 1.075; ranges from 1.073 to 1.079 in Michigan.

**Culinary Quality:** Excellent chip color from field and from short to mid-term storage.

**Foliage:** Medium to tall, erect vine.

**Diseases:** Strong foliar resistance to Late Blight. Susceptible to common scab, similar to Atlantic.

**Storability:** Good dormancy, greater than Atlantic.