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.