

Jacqueline Lee (MSG274-3)

Parentage: Tollocan x Chaleur

Developers: Michigan State University and the Michigan Agricultural Experiment Station

Plant Variety Protection: In application

Strengths: Jacqueline Lee has a bright golden skin, yellow flesh, attractive oval shape and excellent cooking qualities that make it suitable for tablestock use. In addition, it has been determined to have a high level of foliar resistance to the US-8 genotype of *Phytophthora infestans* under Michigan field and greenhouse conditions.



Weaknesses: Susceptibility to common scab.

Incentives for production: The tubers have an attractive tuber type, with bright and smooth skin and a yellow flesh, typical of many European varieties. The plants yield a heavy set of medium-sized (3-6 oz.), uniform tubers. The foliage has a high level of resistance to the US-8 genotype of *Phytophthora infestans*. These medium-sized, uniform, oval-shaped tubers of Jacqueline Lee offer a unique type that could lend itself to the specialty variety market, such as farm and road-side markets.

Seed Availability: Virus-free tissue culture plantlets of Jacqueline Lee 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: The tubers have an attractive oval tuber type, with bright and smooth golden skin and a light yellow flesh.

Agronomic Characteristics:

Maturity: Full-season.

Tubers: Oval tubers with a bright and smooth, golden colored skin and a light yellow flesh.

Yield: High yield under irrigated conditions.

Specific Gravity: About 1.080 in Michigan.

Culinary Quality: The Jacqueline Lee tubers can be used for baking, mashing, and microwave cooking and have excellent taste quality similar to Yukon Gold.

Foliage: Medium to tall, semi-erect vine.

Diseases: Strong foliar resistance to Late Blight (*Phytophthora infestans*).

Storability: Strong dormancy comparable to Russet Burbank.