



## Inbred Carrot Lines WAY274A and WAY274B

**WARF: P01015US**

Inventors: Irwin Goldman, Dwight "Nick" Breitbach

**The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in new carrot varieties.**

### Overview

According to the USDA, Wisconsin farmers produced 73,610 tons of carrots in 2010.

### The Invention

UW-Madison researchers have developed a new line of carrots. WAY274A (green petaloid sterile) and WAY274B (maintainer) are inbred, carrot lines possessing superior resistance to the plant disease aster yellows, which is caused by a mycoplasma-like organism and spread by the aster leafhopper, *Macrostelus fascifrons* stal. During three years of field trials, less than 8% of WAY274 plants per plot were infected with aster yellows, compared with an average of 24% among six commercial cultivars. WAY274 is a long Nantes type with medium green foliage. The line was derived from a cross between Scarlet Nantes and the unreleased population Aster Yellows Synthetic 1983, followed by a cross with the unreleased, inbred line W262.

### Applications

- Suitable for use in both fresh market and processing carrot hybrid cultivars

### Key Benefits

- Long Nantes type with medium green foliage
- Exhibits superior resistance to aster yellows

### Additional Information

#### For More Information About the Inventors

- [Irwin Goldman](#)

#### Related Technologies

- [For information on carrot germplasm available from the University of Wisconsin Carrot Breeding Program, see http://www.hort.wisc.edu/Goldman/lab/carrot.htm.](http://www.hort.wisc.edu/Goldman/lab/carrot.htm)

#### Publications

- Gabelman W.H., Goldman I.L. and Breitbach D.N. 1994. Field Evaluation and Selection for Resistance to Aster Yellows in Carrot (*Daucus carota* L.). J. Amer. Soc. Hort. Sci. 119, 1293-1297.

#### Tech Fields

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