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Names and sources for tomato hybrid varieties
with resistance to tomato spotted wilt virus

Following are some of the commercially available tomato hybrids with resistance to tomato spotted wilt virus. This list was prepared by Dr. Randy Gardner, tomato breeder in the Department of Horticultural Science at NC State University.

Amelia (formerly HMX-0800) sold by Harris Moran Seed Co. A large fruited, fairly early maturity tomato, resistant to TSWV, nematodes, and race 3 fusarium wilt. It has been trialed at the Mountain Horticultural Crops Research Station in Fletcher, NC over the last 3 years and has given good results (available from seed distributors for Harris Moran seeds).

EX 1405037 sold by Seminis Seeds. A large fruited tomato, fairly late in maturity. It did not perform as well as Amelia at the Mountain Horticultural Crops Research Station in Fletcher, NC in 2002 because of its lateness.

BHN 444 and **BNN 640** produced by BHN Research and sold primarily by Seigers and Seedway seed companies. BHN 444 is large fruited but can be somewhat rough in fruit shape under some growing conditions. It has been used quite widely over the last 2 to 3 years in some southern states. BHN 640 has fusarium wilt race 3 resistance in addition to TSWV resistance and is smaller fruited but smoother than BHN 444.

There may also be some other new commercial hybrids of which I am not aware. As far as I know, all of these hybrids have resistance based on the SW-5 gene, which provides a high level of resistance to current strains of the virus in the US. I am working on resistant hybrids with the SW-5 gene also and have promising advanced hybrids which I will be testing this spring throughout NC.