

# Plant Diseases

## Disease Resistance in Recommended Vegetable Varieties for Home Gardens

Elizabeth A. Long, Associate Extension Specialist  
Entomology and Plant Pathology

Growing resistant vegetable varieties is an important method of controlling diseases. The following information is provided as a reference to disease resistance or tolerance in vegetable varieties presently recommended for the home garden. No attempt has been made to designate or evaluate levels of resistance or tolerance in the varieties listed. Varieties are designated only as having some level of tolerance or resistance.

The information provided here has been compiled from seed catalogs and from research and Extension publications. The user of this reference should seek additional information from seed companies relative to specific varieties and their level of disease tolerance or resistance.

Vegetable	Variety	Disease Tolerance or Resistance
ASPARAGUS	Jersey Giant	F, R
	Martha Washington	F
	Mary Washington	R
BEAN (Bush, Lima)	Fordhook 242	D, H
	Jackson Wonder	D, H
BEAN (Bush, Snap)	Blue Lake types	CBMV
	Greencrop	CBMV, PM
	Provider	CBMV, PM
	Roma II	CBMV
	Derby	CBMV
BEAN (Pole)	Blue Lake	CBMV
BEET	Detroit Dark Red	DM
	Hybrid Red Ace	H, CLS
BROCCOLI	Green Comet	DM, H
	Premium Crop	DM, F, H
CABBAGE	Bravo	BR, FY
	Gourmet	BR, FY
	Solid Blue Brand 780	BR, BS, TB



Vegetable	Variety	Disease Tolerance or Resistance
<b>CANTALOUPE (MELONS)</b>	Ambrosia	DM, PM
	Burpee Hybrid	F, PM
	Classic	F, PM
	Starship	F, PM
<b>CORN (Sweet)</b>	Bonanza (Yellow)	MDMV, SW, CR
	Golden Queen (Yellow)	NCLB, SW, CR
	Incredible (Yellow)	CR, SCLB, SW
	Merit (Yellow)	BW, MDMV, SCLB, S
	Argent (White)	CR, SW
	Silver Queen (White)	BW, MDMV, SW
<b>CUCUMBER (Pickling)</b>	Carolina	ALS, AN, CMV, DM, PM, Sc
	Picadilly	CMV, Sc, TLS
	Pioneer	ALS, AN, CMV, DM, PM, Sc
<b>CUCUMBER (Slicing)</b>	Ashley	ALS, DM, PM
	Dasher II	AN, ALS, CMV, DM, PM, Sc
	Liberty Hybrid	ALS, DM, PM, Sc
	Poinsett 76	ALS, AN, DM, PM, Sc
	Sweet Slice	PM
	Victory Burpee Hybrid	ALS, AN, DM, PM, Sc
<b>EGGPLANT</b>	Black Bell	TMV
<b>LETTUCE</b>	Grand Rapids	H, TB
<b>MUSTARD</b>	Southern Giant Curled	H
	Tendergreen	D, H
<b>PEAS (Edible Pod)</b>	Sugar Daddy	PM, BLRV
	Sugar Snap	C
<b>PEAS (English)</b>	Alaska	F
	Freezonian	C, F
	Thomas Laxton	F
<b>PEAS (Southern)</b>	Mississippi Silver	CoMV, F, NRKN, SRKN
<b>PEPPER (Bell)</b>	Bell Boy Hybrid	TMV
	Big Bertha	TMV
	King Arthur	BLS <sub>2</sub> , TMV
	Summer Sweet 862R	TMV, PVY
	Yolo Wonder	TMV
<b>POTATO (Irish)</b>	Kennebec	LB, LR, MMV, RMV, SL
	Yukon Gold	MMV

Vegetable	Variety	Disease Tolerance or Resistance
<b>POTATO (Sweet)</b>	Beauregard	SR
	Centennial	F, NRKN
	Jewel	F, HC, SRKN
<b>SPINACH</b>	Melody Hybrid	CMV, DM
<b>SQUASH (Summer)</b>	Gold Strike	DM
	Zucchini Hybrid	PM
<b>SQUASH (Winter)</b>	Delicious (Butternut)	PM
	Table Queen (Acorn)	DM, PM
<b>TOMATO (Red)</b>	Better Boy	F, SRKN, V
	Big Seven	F, SRKN, V
	Celebrity	ASC, F <sub>1,2</sub> , GLS, SRKN, TMV, V
	Mountain Pride	ASC, F, GLS, V
	Mountain Supreme	EB, F <sub>1,2</sub>
<b>TOMATO (Yellow)</b>	Carolina Gold	F <sub>1,2</sub> , V
	Sunny	ASC, F <sub>1,2</sub> , GLS, V
<b>WATERMELON</b>	Charleston Gray	AN, F
	Crimson Sweet	AN, F
	Sugar Baby	D

#### Codes Used to Designate Diseases and Related Problems

ALS	= Angular Leaf Spot	LB	= Late Blight
AN	= Anthracnose	LR	= Leaf Roll
ASC	= Alternaria Stem Canker	MDMV	= Maize Dwarf Mosaic Virus
BLS	= Bacterial Leaf Spot	MMV	= Mild Mosaic Virus
BLRV	= Bean Leaf Roll Virus	NCLB	= Northern Corn Leaf Blight
BR	= Black Rot	NRKN	= Northern Root Knot
BS	= Black Speck		Nematode
BW	= Bacterial Wilt	PM	= Powdery Mildew
C	= Cold Tolerance	PVY	= Potato Virus Y
CBMV	= Common Bean Mosaic Virus	R	= Rust
CLS	= Cercospora Leaf Spot	RMV	= Rugose Mosaic Virus
CoMV	= Cowpea Mosaic Virus	S	= Smut
CMV	= Cucumber Mosaic Virus	Sc	= Scab
CR	= Common Rust	SCLB	= Southern Corn Leaf Blight
D	= Drought Tolerance	SL	= Speckle Leaf
DM	= Downy Mildew	SR	= Soil Rot
EB	= Early Blight	SRKN	= Southern Root Knot
F	= Fusarium		Nematode
FY	= Fusarium Yellowing	SW	= Stewart's Wilt
GLS	= Gray Leaf Spot (Stemphylium)	TB	= Tip Burn
H	= Heat Tolerance	TLS	= Target Leaf Spot
HC	= Hard Core	TMV	= Tobacco Mosaic Virus
		V	= Verticillium

04-0343 SP277K-500-5/04 (Rep) E12-4615-00-017-04

The Agricultural Extension Service offers its programs to all eligible persons regardless of race, color, national origin, religion, sex, age, disability or veteran status and is an Equal Opportunity Employer.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

The University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating in furtherance of Acts of May 8 and June 30, 1914. Agricultural Extension Service, Charles L. Norman, Dean.