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SP277-K-Disease Resistance in Recommended Vegetable Varieties for Home Gardens

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Agricultural Extension Service
The University of Tennessee

SP277-K

Plant Diseases

Disease Resistance in Recommended Vegetable Varieties for Home Gardens

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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
CANTALOUPE (MELONS)	Ambrosia	DM, PM
	Burpee Hybrid	F, PM
	Classic	F, PM
	Starship	F, PM
CORN (Sweet)	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
CUCUMBER (Pickling)	Carolina	ALS, AN, CMV, DM, PM, Sc
	Picadilly	CMV, Sc, TLS
	Pioneer	ALS, AN, CMV, DM, PM, Sc
CUCUMBER (Slicing)	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
EGGPLANT	Black Bell	TMV
LETTUCE	Grand Rapids	H, TB
MUSTARD	Southern Giant Curled	H
	Tendergreen	D, H
PEAS (Edible Pod)	Sugar Daddy	PM, BLRV
	Sugar Snap	C
PEAS (English)	Alaska	F
	Freezonian	C, F
	Thomas Laxton	F
PEAS (Southern)	Mississippi Silver	CoMV, F, NRKN, SRKN
PEPPER (Bell)	Bell Boy Hybrid	TMV
	Big Bertha	TMV
	King Arthur	BLS_2 , TMV
	Summer Sweet 862R	TMV, PVY
	Yolo Wonder	TMV
POTATO (Irish)	Kennebec	LB, LR, MMV, RMV, SL
	Yukon Gold	MMV
POTATO (Sweet)	Beauregard	SR
	Centennial	F, NRKN
	Jewel	F, HC, SRKN
SPINACH	Melody Hybrid	CMV, DM
SQUASH (Summer)	Gold Strike	DM
	Zucchini Hybrid	PM
SQUASH (Winter)	Delicious (Butternut)	PM
	Table Queen (Acorn)	DM, PM
TOMATO (Red)	Better Boy	F, SRKN, V
	Big Seven	F, SRKN, V
	Celebrity	ASC, $F_{1,2}$, GLS, SRKN, TMV, V
	Mountain Pride	ASC, F, GLS, V
	Mountain Supreme	EB, $F_{1,2}$
TOMATO (Yellow)	Carolinia Gold	$F_{1,2}$, V
	Sunny	ASC, $F_{1,2}$,GLS, V
WATERMELON	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 Nematode
BS	= Black Speck	PM	= Powdery Mildew
BW	= Bacterial Wilt	PVY	= Potato Virus Y
C	= Cold Tolerance	R	= Rust
CBMV	= Common Bean Mosaic Virus	RMV	= Rugose Mosaic Virus
CLS	= Cercospora Leaf Spot	S	= Smut
CoMV	= Cowpea Mosaic Virus	Sc	= Scab
CMV	= Cucumber Mosaic Virus	SCLB	= Southern Corn Leaf Blight
CR	=Common Rust	SL	= Speckle Leaf
D	= Drought Tolerance	SR	= Soil Rot
DM	= Downy Mildew	SRKN	= Southern Root Knot Nematode
EB	= Early Blight	SW	= Stewart's Wilt
F	= Fusarium	TB	= Tip Burn
FY	= Fusarium Yellows	TLS	= Target Leaf Spot
GLS	= Gray Leaf Spot (Stemphylium)	TMV	= Tobacco Mosaic Virus
H	= Heat Tolerance	V	= Verticillium
HC	= Hard Core		

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