

Table 4. Disease Resistance of Selected Released Tobacco Varieties

Variety	Black Shank**				
	Php gene (Race 0)	FL 301 (Race 1)	Granville Wilt	Nematode Resistance	Virus Resistance
CC 13		L	M	RKN (<i>M.i., M.j., M.a.</i>)	S
CC 27	Php	L	M	RKN TCN	TMV
CC37	Php	L	M	RKN (<i>M.i., M.j.</i>) TCN	TMV
CC 700		M	-	RKN	S
Coker 371 Gold	Php	L	M	S	S
GL 330		M	L	RKN	S
GL 350		H	H	RES	S
GL 737			M	RKN S	S
GL 939		M	R	R	S
GL 973	Php	H	L	S	S
K 149		M	H	RKN	S
K 326		L	M	RKN	S
K 346		H	M	RKN	S
K 358		L	M	RKN	S
K 394		M	L	S	S
K 399		H	H	RKN	S
K 730		L	M	RKN	S
McNair 944		M	L	S	S
NC 27 NF		L	H	RKN	S
NC 37 NF		L	H	RKN	S
NC 55		L	L	RKN	PVY, ETCH
NC 60		H	M		
NC 71	Php	L	L	RKN	S
NC 72	Php	L	M	RKN	S
NC 79		M	L	RKN	S
NC 95		L	H	RKN	S
NC 100		L	L	RKN	TMV& PVY
NC 102	Php	L	M	TCN & RKN	TMV/TEV/PV Y
NC 196	Php	M	L	RKN	S
NC 291	Php	L	L	RKN	PVY, ETCH
NC 297	Php	L	M	RKN	TMV
NC 299	Php	L	L	TCN & RKN	S
NC 471	Php	H	H	RKN	TMV
NC 567		L	L	RKN	TMV
NC 606		M	M-H	RKN	S
NC 810	Php	H	H	RKN	S
NC 2326		L	L		S

Table 4. Disease Resistance of Selected Released Tobacco Varieties. (Continued)

Variety	Black Shank**				
	Php gene (Race 0)	FL 301 (Race 1)	Granville Wilt	Nematode	Virus Resistance
OX 940		M	M	S	S
OX 414NF		M	L	RKN	S
PVHO3		L	M	RKN	TMV
PVHO9		L	H	RKN	TMV
PVH 1118	Php	L	M	RKN	S
RG 17		L	M	RKN	S
RG 22		M	M	RKN	S
RG 81		L	L	RKN	S
RGH 4		L	H	RKN	TMV
RGH 51	Php	L	L	RKN	S
RS 1410		M	M	RKN	S
Speight G-28		M	M	RKN	S
Speight G-70		M	M	RKN	S
Speight 102		M	L	RKN	S
Speight 168	Php	H	H	RKN	S
Speight 179	Php	M	H	RKN	S
Speight 190		M	H	RKN	S
Speight 210	Php	M	H	RKN	S
Speight 220	Php	M	H	RKN	S
Speight 225	Php	H	H	RKN	S
Speight 227	Php	H	H	RKN	S
Speight 234	Php	M	H	RKN	S
Speight 235		M	R	RKN	S
Speight 236		M	R	RKN	S
Speight-H20	Php	L	H	RKN	TMV
Speight-NF 3	Php	M	H	RKN	TMV
VA 116		L	L	S	S

****Black Shank Resistance Source:**

Php gene provides complete resistance to Race 0. Growing these varieties **WILL** select Race 1. When black shank is seen on any Php variety refer to FL 301 resistance rating for best future option.

FL 301 resistance is a general resistance about equal to all known races of black shank. There is no FL 301 resistance high enough to be used without a Ridomil Gold program.

L=Low to no resistance; M=Moderate to fair resistance; H=High resistance; ?=resistance unknown

Nematode RKN =resistance to Root Knot Nematode

(*M.i.*=*M. incognita*, races 1 & 3), (*M.j.*=*M. javanica*), (*M.a.*=*M.*

arenaria)

TCN =resistance to Tobacco Cyst Nematode

Fusarium Wilt There appears to be a great variation among varieties to Fusarium wilt.

However, we do not have sufficient data to make recommendations. Root-knot nematode resistant varieties may help in that root-knot tends to increase Fusarium wilt.