

## Resistance tests at Naktuinbouw finalized in 6 months

Resistance tests are **biotests**.

Some **resistance genes** can be detected by a marker. These are indicated under 'Gene'

Test finalized in 12 months can also be found in this document.

Crop	ISF Code	Status	Gene	Pathogen
<b>Tomato</b>	Va: 0	*		Verticillium albo-atrum, fysio 0
	Fol: 0EU/1US	*		Fusarium oxysporum f. sp. lycopersici, fysio 0EU/1US
	Fol: 1EU/2US	*	I2	Fusarium oxysporum f. sp. lycopersici, fysio 1EU/2US
	For	(*)		Fusarium oxysporum f.sp. radices-lycopersici
	Mi	*		Meloidogyne incognita
<b>Rootstock tomato</b>	Va: 0			Verticillium albo-atrum, fysio 0
	Fol: 1EU/2US	*		Fusarium oxysporum f. sp. lycopersici, fysio 1
	For	(*)		Fusarium oxysporum f.sp. radices-lycopersici
	Mi	*		Meloidogyne incognita (Nematoden)
<b>Pepper</b>	Tobamo: P0	*		Tobamovirus, stam P0
	Tobamo: P1-2	*		Tobamovirus, stam P1-2
	Tobamo: P1-2-3	*		Tobamovirus, stam P1-2-3
	PVY: 0	*		Potato virus Y: 0
<b>Cucumber</b>	Ccu	*		Cladosporium cucumerinum
	Cca	*		Corynespora cassicola
	CMV	*		Cucumber mosaic virus
	CVYV	*		Cucumber vein yellowing virus
<b>Melon</b>	Fom: 0	*		Fusarium oxysporum f.sp. melonis, fysio 0
	Fom: 1	*		Fusarium oxysporum f.sp. melonis, fysio 1
	Fom: 2	*		Fusarium oxysporum f.sp. melonis, fysio 2
	Fom: 1.2	(*)		Fusarium oxysporum f.sp. melonis, fysio 1.2
<b>Lettuce</b>	Bl: 16EU	*		Bremia lactucae, fysio 16EU
	Bl: 29EU	*		Bremia lactucae, fysio 29EU
	Bl: 33EU	(*)		Bremia lactucae, fysio 33EU
	Bl: 35EU	(*)		Bremia lactucae, fysio 35EU
	Bl: 36EU			Bremia lactucae, fysio 36EU
<b>Bean</b>	Cl: 6	*		Colletotrichum lindemuthianum, race 6
	Psp: 6	*		Pseudomonas savastanoi pv. phaseoli, race 6
	BCMN5: NL5	*		Bean common mosaic necrosis virus, strain NL5
<b>Cabbage</b>	Foc	*		Fusarium oxysporum f.sp. conglutinans

Status:

\* = obligatory for all DUS applications at Naktuinbouw;

(\*) = obligatory for some DUS applications at Naktuinbouw

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<b>Tomato</b>	TMV: 0	*	Tm2, Tm22	Tobacco mosaic virus, pathotype 0, stam 0
	ToMV: 1		Tm2, Tm22	Tomato mosaic virus, pathotype 1, stam 1
	ToMV: 2		Tm2, Tm22	Tomato mosaic virus, pathotype 2, stam 2
	Fol: 2EU/3US		I3	Fusarium oxysporum f. sp. lycopersici, fysio 2EU/3US
	Pf: 0 (Ff: 0)	(*)		Passalora fulva (Fulvia fulva), groep 0
	Pf: A (Ff: A)	(*)		Passalora fulva (Fulvia fulva), groep A
	Pf: B (Ff: B)	(*)		Passalora fulva (Fulvia fulva), groep B
	Pf: C (Ff: C)	(*)		Passalora fulva (Fulvia fulva), groep C
	Pf: D (Ff: D)	(*)		Passalora fulva (Fulvia fulva), groep D
	Pf: E (Ff: E)	(*)		Passalora fulva (Fulvia fulva), groep E
	Pf: F (Ff: F)			Passalora fulva (Fulvia fulva), groep F
	TSWV: 0		Sw-5b	Tomato spotted wilt virus, pathotype 0, stam Br01
	Ss			Stemphylium solani
	Pst	(*)		Pseudomonas syringae pv. tomato
<b>Rootstock tomato</b>	TMV: 0	*		Tobacco mosaic virus, pathotype 0, stam 0
	Fol: 2EU/3US	*		Fusarium oxysporum f. sp. lycopersici, fysio 2EU/3US
<b>Cucumber</b>	ZYMV			Zucchini yellow mosaic virus
	PM	*		Powdery mildew (Podosphaera of Golovinomyces)
	PRSV			Papaya ringspot virus
	CGMMV			Cucumber green mottle mosaic virus
<b>Gherkin</b>	Ccu			Cladosporium cucumerinum
	Cca			Corynespora cassiicola
	PM			Powdery mildew (Podosphaera or Golovinomyces)
	CMV			Cucumber mosaic virus
	CVYV			Cucumber vein yellowing virus
	PRSV			Papaya ringspot virus
	ZYMV			Zucchini yellow mosaic virus
<b>Melon</b>	Ag: NM1			Aphis gossypii, biotype NM1
	MNSV			Melon necrotic spot virus
<b>Squash</b>	PM			Powdery mildew (Podosphaera or Golovinomyces)
<b>Lettuce</b>	Bl: 17EU			Bremia lactucae, fysio 17EU
	Bl: 18EU			Bremia lactucae, fysio 18EU
	Bl: 20EU			Bremia lactucae, fysio 20EU
	Bl: 21EU			Bremia lactucae, fysio 21EU
	Bl: 22EU			Bremia lactucae, fysio 22EU
	Bl: 23EU			Bremia lactucae, fysio 23EU
	Bl: 24EU			Bremia lactucae, fysio 24EU
	Bl: 25EU			Bremia lactucae, fysio 25EU
	Bl: 26EU			Bremia lactucae, fysio 26EU
	Bl: 27EU			Bremia lactucae, fysio 27EU
	Bl: 28EU			Bremia lactucae, fysio 28EU
	Bl: 30EU			Bremia lactucae, fysio 30EU
	Bl: 31EU			Bremia lactucae, fysio 31EU
	Bl: 32EU			Bremia lactucae, fysio 32EU
	Bl: 34EU			Bremia lactucae, fysio 34EU
	Bl: 37EU			Bremia lactucae, fysio 37EU
	LMV: II (Ls1)		mo11, mo12	Slamozaïekvirus, pathotype II, stam Ls1
	Nr: 0			Nasonovia ribisnigri
	Fol: 1			Fusarium oxysporum f.sp.lactucae
<b>Pepper</b>	TSWV: 0	*		Tomato spotted wilt virus, pathotype 0, stam Br01
	Mi			Meloidogyne incognita
<b>Spinach</b>	Pe: 1			Peronospora effusa, fysio 1
	Pe: 2			Peronospora effusa, fysio 2
	Pe: 3			Peronospora effusa, fysio 3
	Pe: 4			Peronospora effusa, fysio 4
	Pe: 5			Peronospora effusa, fysio 5
	Pe: 6			Peronospora effusa, fysio 6
	Pe: 7			Peronospora effusa, fysio 7

	Pe: 8		Peronospora effusa, fysio 8
	Pe: 9		Peronospora effusa, fysio 9
	Pe: 10		Peronospora effusa, fysio 10
	Pe: 11		Peronospora effusa, fysio 11
	Pe: 12	*	Peronospora effusa, fysio 12
	Pe: 13	*	Peronospora effusa, fysio 13
	Pe: 14		Peronospora effusa, fysio 14
	Pe: 15		Peronospora effusa, fysio 15
	Pe: 16	*	Peronospora effusa, fysio 16
	Pe: 17		Peronospora effusa, fysio 17
	Pe: 18		Peronospora effusa, fysio 18
	Pe: 19		Peronospora effusa, fysio 19
	CMV		Cucumber mosaic virus
<b>Pea / Sugar pea</b>	Fop: 1	*	Fusarium oxysporum f.sp. pisi, fysio 1
	Fop: 2		Fusarium oxysporum f.sp. pisi, fysio 2
	Ep		Erysiphe pisi
	Pv		Peronospora viciae
<b>Bean</b>	Cl: lambda		Colletotrichum lindemuthianum, race lambda
	BCMV: NL3		Bean common mosaic necrosis virus, strain NL3
	BCMV: NL4		Bean common mosaic virus. strain NL4
<b>Cabbage</b>	Pb: 0		Plasmodiophora brassicae, race 0
	Pb: 1		Plasmodiophora brassicae, race 1
	Pb: 2		Plasmodiophora brassicae, race 2
	Pb: 3		Plasmodiophora brassicae, race 3

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