



CODE FOR RESISTANCE HARMONIZATION

ESA_16.780
October 2015

The ESA Code for resistance harmonisation has been designed by ESA to improve transparency to vegetable growers.

Vegetable seed companies are recommended to make use of the ESA Code in their catalogues, on their websites and in all other forms of product information

Cucumber				
Scientific name pathogen ISF	Abbreviation	Races/Strains	Level	Example variety
<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	Psi		IR	Poinsett 76
<i>Cladosporium cucumerinum</i>	Ccu		HR	Marketmore 76
<i>Colletotrichum orbiculare</i> (ex <i>C. lagenarium</i>)	Co	1, 2, 3	IR	Poinsett 76
<i>Corynespora cassicola</i>	Cca		IR/HR	IR: Bahia HR: Edona, Corona, Ventura
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Foc	1	IR	PI 390264
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Foc	2	IR	MSU 8518
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Foc	3	IR	Chipper
<i>Fusarium oxysporum</i> f. sp. <i>radicis-cucumerinum</i>	For		IR	AFFYNE (Rijk Zwaan)
<i>Pseudoperonospora cubensis</i>	Pcu		IR	IR: Poinsett 76
<i>Podosphaera xanthii</i> (ex. <i>Sphaerotheca fuliginea</i>)	Px		IR/HR	IR: Flamengo, Marketmore 76 HR: Cordoba
Beet pseudo yellowing virus	BPYV		IR	Carrascus
Cucumber Green Mild Mottle Virus	CGMMV		IR/HR	not harmonized – under review
Cucumber mosaic virus	CMV		IR/HR	IR: Gardon, Marketmore 76 HR: Hokus, Naf
Cucumber vein yellowing virus	CVYV		IR/HR	IR: Tornac HR: Fenix, SV0091CE (Monsanto)
Cucurbit yellow stunting disorder virus	CYSDV		IR	Atalaya
Papaya ringspot virus (ex WMV-I)	PRSV		IR	Conquistador
Watermelon mosaic virus (ex WMV-II)	WMV		IR	Conquistador
Zucchini yellow mosaic virus	ZYMV		IR	Dina