


Colletotrichum lindemuthianum (Cl) - Bean

Differential hosts	Resistance gene	Race binary code / Greek or other race name																				
		2	6*	7	9	17	19	23	31*	55*	65	73	81	87	89	99	102*	130	141	337	453	
						Alpha	Epsilon	Delta	Kappa	Lambda			Xi	Mu	Alpha Brazil	Theta	Gamma	Beta	C236	Mex II	Zeta	
Michelite*	Co-11	HR	HR	S	S	S	S	S	S	S	S	S	S	S	S	S	HR	HR	S	S	S	
Michigan Dark* Red Kidney	Co-1	S	S	S	HR	HR	S	S	S	S	HR	HR	HR	S	HR	S	S	S	HR	HR	HR	
Perry Marrow*	Co-1 ³	HR	S	S	HR	HR	HR	S	S	S	HR	HR	HR	S	HR	HR	S	HR	S	HR	S	
Cornell 49242*	Co-2	HR	HR	HR	S	HR	HR	HR	S	HR	HR	S	HR	HR	S	HR	HR	HR	S	HR	HR	
Widusa*	Co-1 ⁵	HR	HR	HR	HR	S	S	S	S	S	HR	HR	S	S	S	HR	HR	HR	HR	HR	S	HR
Kaboon*	Co-1 ²	HR	HR	HR	HR	HR	HR	HR	HR	S	HR	HR	HR	HR	HR	S	S	HR	HR	HR	HR	
Mexico 222*	Co-3	HR	HR	HR	HR	HR	HR	HR	HR	HR	S	S	S	S	S	S	S	HR	HR	S	S	
PI 207262*	Co-4 ³ , Co-9	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	S	S	HR	S	
TO*	Co-4	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	S	S
TU*	Co-5	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR
AB 136*	Co-6	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR
G 2333*	Co-4 ² , Co-5 ² Co-7	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR

S - susceptible; HR – highly resistant

*differential hosts and isolates that are used by the seed sector

References

Young, R.A and Kelly, J.D. 1996. Characterization of the genetic resistance to *Colletotrichum lindemuthianum* in common bean differential cultivars. *Plant disease* 80 (6): 650-654.

Balardin, R.S, Jarosz, A.M. and Kelly, J.D. (1997). Virulence and molecular diversity in *Colletotrichum lindemuthianum* from South, Central and North America. *Phytopathology* 87: 1184-1191.

Mahuku, G.S and Riascos, J.J. 2004. Virulence and molecular diversity within *Colletotrichum lindemuthianum* isolates from Andean and Mesoamerican bean varieties and regions. *Journal of plant pathology* 110: 253-263.

Protocol

CPVO. See <http://www.cpvo.europa.eu/> for a protocol on disease resistance testing

For more information contact the ISF Secretariat at isf@worldseed.org

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