

Differential Sets

Pseudomonas savastanoi pv. *phaseolicola* (Psp) - Bean

Variety	R-genes	Race (ISF code)								
		1 (Psp: 1)	2 (Psp: 2)	3 (Psp: 3)	4 (Psp: 4)	5 (Psp: 5)	6 (Psp: 6)	7 (Psp: 7)	8 (Psp: 8)	9 (Psp:9)
Canadian Wonder	-	S	S	S	S	S	S	S	S	S
A 52 (ZAA 54)	4	S	S	S	S	R	S	S	S	S
Tendergreen	3	S	S	R	R	S	S	S	S	S
Red Mexican UI 3	1,4	R	S	S	S	R	S	R	S	R
1072	2	S	S	R	R	R	S	R	S	S
A53 (ZAA 55)	3,4	S	S	R	R	R	S	S	S	S
A43 (ZAA 12)	2, 3, 4, 5	S	R	R	R	R	S	R	R	R
Guatemala 196-B	3, 4	R	S	R	R	R	S	R	S	R

S = susceptible; R = resistant

References

- Fourie, D.P., Miklas, H. and Ariyaranthe, H.M. (2004). Genes conditioning halo blight resistance to races 1, 7, and 9 occur in a tight cluster. The XLVII Report of the Bean Improvement Cooperative, pages 103-104.
- Ariyarthne, H.M., Coyne, D.P., Jung, G., Skroch, P.W., Vidaver, A.K., Steadman, J.R., Miklas, P.N. and Bassett, M.J. (1999). Molecular mapping of disease resistance genes for halo blight, common bacterial blight, and bean common mosaic virus in a segregating population of common bean. *Journal of the American Society of Horticultural Sciences* 124: 654–662.
- Taylor, J.D., Teverson, D.M., Allen, M.A. and Pastor-Corrales, M.A. (1996). Identification and origin of races of *Pseudomonas syringae* pv. *phaseolicola* from Africa and other bean growing areas. *Plant Pathology* 45:469-478.
- Taylor, J.D., Teverson, D.M. and Davis, J.H.C. (1996). Sources of resistance to *Pseudomonas syringae* pv. *phaseolicola* races in *Phaseolus vulgaris*. *Plant Pathology* 45: 479-485.

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