



Description of Commercial Tomato Rootstocks as of September 17, 2013

Common Tomato Diseases and Pests and Susceptibility Characteristics

Rating rootstock characteristics is complex. For example, strains of pathogens differ and plant responses to them are rarely “yes” or “no.” Therefore, many approaches are used to rate rootstock characteristics. This table is a compilation of publicly available information provided by seed companies in catalogs and at websites. Additional information from peer-reviewed technical and scientific reports is available in the table Addendum. The table is to be updated often.

Rootstock	Bacterial Wilt	Corky Root Rot	Fusarium Wilt Race 1	Fusarium Wilt Race 2	Fusarium Crown and Root Rot	Southern Blight	Verticillium Wilt	Nematode	Tomato Mosaic Virus	Tomato Spotted Wilt Virus	Developer
61-071 RZ	S	R	R	R	R	N/A	R	R	R	N/A	Rijk Zwaan
Achilles	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Takii Seed
Aegis	R	S	R	R	S	N/A	R	R	R	N/A	Takii Seed
Aibou	S	S	R	R	R	N/A	S	R	R	N/A	Asahi Industries
Akaoni	S	S	S	S	S	N/A	S	S	R	N/A	Asahi Industries
Aligator	S	R	R	R	R	N/A	R	R	R	S	Gautier Seeds
Aloha	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Takii Seed
Anchor-T	R	S	R	R	NA	N/A	R	R	R	N/A	Takii Seed
Aooni	S	S	R	R	S	N/A	R	R	R	N/A	Asahi Industries
Armada	R	R	R	R	R	R	R	R	R	R	Takii Seed
B.B.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Takii Seed
Beaufort	S	R	R	R	R	N/A	R	R	R	N/A	DeRuijter Seeds
BHN 1053	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BHN Seed
BHN 1054	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BHN Seed
BHN 998	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BHN Seed
Big Power	S	R	R	R	N/A	R	R	R	R	N/A	Rijk Zwaan
Body	S	R	S	R	N/A	N/A	R	R	R	N/A	Bruinsma Seeds
Brigeor	N/A	R	R	R	R	N/A	R	R	R	N/A	Gautier Seeds
Bruce RZ	N/A	R	R	R	R	N/A	R	S	R	N/A	Rijk Zwaan

Notes: N/A – Information is **not** available R – Resistant S – Susceptible For additional information on rootstock descriptions please contact developer directly.



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Camel	R	S	R	R	R	N/A	R	R	R	N/A	Takii Seed
Cheong Gang	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Seminis Vegetable Seeds
Colosus RZ	N/A	R	R	R	R	N/A	R	R	R	N/A	Rijk Zwaan
Dai Honmei	R	R	R	S	N/A	R	R	R	R	N/A	Asahi Industries
DRO138TX	S	S	S	R	R	N/A	R	S	R	N/A	DeRuiter Seeds
Efialto	S	S	R	R	R	N/A	R	R	R	N/A	Enza Zaden
EG203	R	N/A	R	R	N/A	N/A	N/A	R	N/A	N/A	Asian Vegetable Research and Development Center
Emperador RZ	N/A	R	R	R	R	S	R	R	R	N/A	Rijk Zwaan
Enforcer	S	R	R	R	R	N/A	R	R	R	R	Nunhems Seeds
Enhancer	S	R	R	R	R	N/A	R	R	R	R	Nunhems Seeds
Enpower	S	R	R	R	R	N/A	R	R	R	R	Nunhems Seeds
Estamino	S	S	R	R	R	N/A	R	R	R	R	Enza Zaden
GCR 66	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Glass House Crops Research Institute
Hawaii 7996	R	N/A	R	R	N/A	N/A	N/A	S	N/A	N/A	University of Hawaii
Hawaii 7998	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	University of Florida
Helper-M	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Takii Seed
He-Man (TX301)	NA	S	S	R	R	N/A	R	R	R	N/A	Syngenta Seeds

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Jjak Kkung	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Seminis Vegetable Seeds
Kaiser RZ	N/A	R	R	R	R	N/A	R	R	R	N/A	Rijk Zwaan
King Kong RZ	N/A	R	R	R	R	N/A	R	R	R	N/A	Rijk Zwaan
Maxifort	S	R	mR	R	R	N/A	R	R	R	N/A	DeRuiter Seeds
Montezuma RZ	N/A	R	R	R	R	N/A	R	R	R	N/A	Rijk Zwaan
Multifort	S	S	R	R	S	S	S	R	S	S	DeRuiter Seeds
NCSI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DeRuiter Seeds
Resiguard	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Hazera Seeds
Resistar	S	R	S	S	S	N/A	R	S	R	N/A	Hazera Seeds
Robusta	S	R	S	R	NA	N/A	R	S	R	N/A	Bruinsma Seeds
RST-04-105-T	R	R	R	R	R	N/A	R	R	S	N/A	DP Seeds
RST-04-106-T	R	R	R	R	S	N/A	S	R	R	N/A	DP Seeds
RST-04-107-T	S	R	R	R	S	N/A	R	R	R	N/A	DP Seeds
RST-04-111-E	R	S	R	R	S	N/A	R	R	S	N/A	DP Seeds
RST-05-113-TE	R	N/A	R	R	S	N/A	R	S	S	N/A	DP Seeds
RST-04-105	R	R	R	R	R	R	R	R	S	N/A	DP Seeds
Spirit	S	R	R	R	R	N/A	R	R	R	N/A	Nunhems Seeds

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Stallone RZ	R	R	R	R	R	N/A	R	S	R	N/A	Rijk Zwaan
Strong Foot	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Syngenta Seeds
Suke-San	R	S	R	R	R	N/A	R	R	R	N/A	Asahi Industries
Supernatural	S	R	R	S	R	N/A	R	R	R	N/A	Territorial Seed Co.
Survivor	mR	S	R	R	NA	N/A	R	R	R	N/A	Takii Seed
TMAA804	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sakata Seed America
TMZQ702	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sakata Seed America
TMZV802	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sakata Seed America
TMZV803	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sakata Seed America
Trooper	S	R	R	R	R	N/A	S	R	R	N/A	Seedway
Vigostar 09	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Hazera Seeds
Yedi	N/A	R	R	R	R	N/A	R	R	R	N/A	Rijk Zwaan

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Addendum

The table above was prepared using information available in public documents, specifically seed catalogs and at websites. Therefore, the information represents a summation of information available in the catalogs and at websites as provided by the supplier or developer. The information presented is not the sum total of that available on the rootstocks listed; breeders, researchers and others may have additional information on the rootstocks. All with research-based information on the rootstocks listed in the table are encouraged to submit it for inclusion in updated versions of the table and its Addendum.

- McAvoy, T. *, M. Paret, J.H. Freeman, S. Rideout, and S.M. Olson. 2012. Evaluation of grafting using hybrid rootstocks for management of bacterial wilt in field tomato production. *HortScience* 47: 621-625.
- McAvoy, T.*, M. Paret, J.H. Freeman. 2012. Managing root-knot nematode in tomato with resistant rootstocks. *Phytopathology* 102: S4.78.