



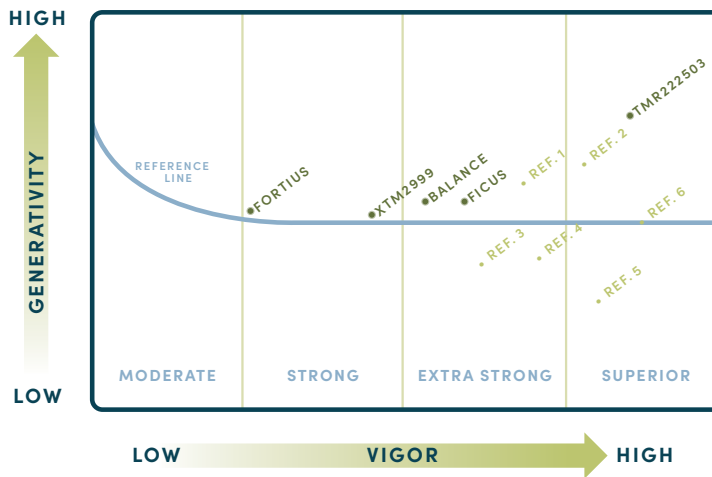
SAKATA®

ROOTSTOCK ROOTSTOCK ROOTSTOCK

HIGH-TECH

EXPECTED POSITIONING

(based on 2025 trials)



OVERVIEW OF Rootstock Varieties

VARIETY (F1 HYBRID)	TYPE	VIGOR	GENERATIVITY	SCION	RESISTANCES (US)
 Balance	Inter-specific	Extra strong	Normal	All types	HR: Fol: 1-3 / For / Pf: A-E / ToMV: 0-2 / Va: 1 / Vd: 1 IR: Ma / Mi / Mj / Pl / ToBRFV
 Ficus	Inter-specific	Extra strong	Normal	All types	HR: Fol: 1-3 / For / ToMV: 0-2 / Va: 1 / Vd: 1 IR: Ma / Mi / Mj / Pl / ToBRFV
 TMR22503	Inter-specific	Superior	High	Small fruit	HR: Fol: 1-3 / For / ToMV: 0-2 / Va: 1 / Vd: 1 IR: Ma / Mi / Mj / Pl / ToBRFV
Fortius	Intra-specific	Strong	Normal	All types	HR: Fol: 1-3 / For / ToMV: 0-2 / Va: 1 / Vd: 1 IR: Cmm / Ma / Mi / Mj / Pl / Rs
 XTM2999	Inter-specific	Strong	Normal	All types	HR: Fol: 1-3 / For / ToMV: 0-2 / Va: 1 / Vd: 1 IR: Cmm / Ma / Mi / Mj / Pl / Rs / Sbl / Sl / Ss / ToBRFV

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FICUS (HYBRID) INTER-SPECIFIC ROOTSTOCK

Extra-strong vigor for medium-long cycle, mid and high-tech crops

- Delivers strong, balanced vigor and consistent performance across all fruit types, particularly with vigorous scions
- Designed for demanding medium-long cycles, excelling in humid and vegetative conditions
- Reliable performance under high EC conditions for dependable season-long production
- Increases yield potential with higher fruit numbers and larger fruit size, particularly early in the cycle
- Flexible and adaptable across soil and hydroponic production systems
- Resistant to ToBRFV and Fusarium race 3 (Fol: 1–3)

Resistances HR: Fol: 1-3 / For / ToMV: 0-2 / Va: 1 / Vd: 1
IR: Ma / Mi / Mj / PI / ToBRFV



BALANCE (HYBRID) INTER-SPECIFIC ROOTSTOCK

Extra-strong vigor for medium-long cycle, mid and high-tech crops

- Versatile rootstock compatible with a wide range of fruit types, particularly with vigorous scions
- Achieves optimal balance between vigor and generativity from the start of the crop cycle
- Helps manage excessive vigor for balanced plant development, maximizing yield potential of the grafted scion
- Promotes uniform fruit size, shape and quality throughout the crop cycle
- Suitable for both soil-based and hydroponic production systems
- Resistant to ToBRFV and Fusarium race 3 (Fol: 1–3)

Resistances HR: Fol: 1-3 / For / Pf: A-E / ToMV: 0-2 / Va: 1 / Vd: 1
IR: Ma / Mi / Mj / PI / ToBRFV

TMR222503 (HYBRID) INTER-SPECIFIC ROOTSTOCK

Superior vigor for small-fruit varieties in high-tech, long cycle crops

- Specifically designed for small-fruited varieties such as grape, cherry and cocktail types
- Generates high total yield for maximum production potential through end of cycle
- Combines exceptional vigor with strong generative balance for consistent crop performance
- Supports an open plant habit with excellent balance and canopy management
- Encourages cluster branching and increased fruit set for enhanced productivity
- Resistant to ToBRFV and Fusarium race 3 (Fol: 1-3)

Resistances HR: Fol: 1-3 / For / ToMV: 0-2 / Va: 1 / Vd: 1
IR: Ma / Mi / Mj / Pl / ToBRFV



ROOTSTOCK

VARIETY OVERVIEW

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VARIETY (F1 HYBRID)	TYPE	COLOR	HARVEST	BRIX	WEIGHT	RESISTANCES (US)
 Amai	Grape	Red	Loose	7-9	12-14 g	HR: Fol: 1 / Pf: A-E / ToMV: 0-2 IR: Ma / Mi / Mj / Sbl / Sl / Ss
 Sumo	Grape	Red	Loose	7-9	12-14 g	HR: Fol: 1-3 / For / Pf: A-E / ToMV: 0-2 / Va:1 / Vd: 1 IR: Sbl / Sl / Ss / ToBRFV / TSWV: 0 / TYLCV
 Chocostar	Grape	Brown	Loose	8-10	10-12 g	HR: Fol: 1 / ToMV: 0-2 IR: Ma / Mi / Mj / Sbl / Sl / Ss / ToBRFV
Murastar	Grape	Purple	Loose	8-10	10-12 g	HR: Aal / Fol: 1 / Pf: A-E / ToMV: 0-2 IR: Sbl / Sl / Ss
 Fonzi's Pinky	Cherry	Pink	Loose	7-9	15-20 g	HR: Fol: 1, 2 / For / Pf: A-E / ToMV: 0, 1 IR: Ma / Mi / Mj / Sbl / Sl / Ss / ToBRFV
 STM15400	Grape	Orange	Loose	8-9	10-12 g	HR: Fol: 1 / ToMV: 0-2 IR: ToBRFV
 Lemonstar	Grape	Yellow	Loose	8-10	10-12 g	HR: Fol: 1 / Pf: A-E / ToMV: 0-2 IR: Sbl / Sl / Ss / ToBRFV
 Sunstar	Grape	Yellow	Loose	8-10	12-14 g	HR: Fol: 1, 2 / Pf: A-E / ToMV: 0-2 IR: Sbl / Sl / Ss / ToBRFV



AMAI



SUMO



CHOCOSTAR



MURASTAR



**FONZI'S
PINKY**



STM15400



LEMONSTAR



SUNSTAR

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Definition of Terms **Two levels of resistance are defined:**

High Resistance (HR)

The ability of a plant to restrict or retard the attack by a specified pest or pathogen, and/or the resulting damage, when compared to the reaction of susceptible plants grown under similar environmental conditions and pest or pathogen pressure. A highly resistant plant may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Intermediate Resistance (IR)

The ability of a plant to endure or restrict to some degree the attack by a specified pest or pathogen. Intermediate resistant plants exhibit a greater range of symptoms than highly resistant plants but should still perform better than susceptible plants grown under similar conditions.

Disease Terminology: HR = High Resistance; IR = Intermediate Resistance • **Disease Abbreviation Code:** Aal – Alternaria stem canker, Cmm – Bacterial canker, Fol – Fusarium wilt, For – Fusarium crown and root rot, Lt – Powdery mildew, Ma – Root-knot, Mi – Root-knot, Mj – Root-knot, Pf – Leaf mold, Pl – Corky root rot, Pst – Bacterial speck, Rs – Rhizoctonia scurf, Sbl – Gray leaf spot, Sl – Gray leaf spot, Ss – Gray leaf spot, ToANV – Tomato apex necrosis, ToBRFV – Tomato brown rugose fruit, ToMV – Tomato mosaic, TSWV – Tomato spotted wilt, TYLCV – Tomato yellow leaf curl, Va – Verticillium wilt, Vd – Verticillium wilt.



SAKATA®

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Disclaimer: This information is based on our observations and/or information from other sources. As crop performance depends on the interaction between the genetic potential of the seed, its physiological characteristics, and the environment, including management, we give no warranty, express or implied, for crop performance relative to the information given; nor do we accept any liability for any loss, direct or consequential, that may arise from any cause. Read all seed package labeling as it contains Sakata Seed America, Inc. terms and conditions of sale.