



OUTSTANDING QUALITIES

- ◆ HIGH RESISTANCE AGAINST FUSARIUM RACE 1 - 3
- ◆ GOOD COMPATABILITY
- ◆ BACTERIAL WILT RESISTANCE
- ◆ EXCELLENT UNIFORMITY
- ◆ MEDIUM VIGOROUS ROOT SYSTEM

Assist* is an F1 hybrid tomato rootstock offering resistance against three major root diseases: Root-knot nematode (Mi), Fusarium race 1 - 3 (Fol1-3) and intermediate resistance to Bacterial wilt (Rs). Grafting on **Assist*** forms part of an integrated approach for the control of various soil borne diseases. **Assist*** has very good uniform emergence and vigour which makes graft planning easier and more accurate. **Assist*** has a relatively thick stem making grafting easier and has good general scion to rootstock compatibility. **Assist*** have high resistance against Tomato mosaic virus (ToMV), Fusarium crown and root rot. **Assist*** has intermediate resistance against Bacterial canker, however this need to be tested by the grower in the spesific location to confirm performance against local strains.

SPECIAL VARIETAL REQUIREMENTS

- We recommend a soil analysis at a reputable laboratory to confirm the identity of the soil-borne pests in order to select the best rootstock variety for the specific situation
- Contact the area representative for more information

CHARACTERISTIC*	ASSIST
KIND	F1 hybrid tomato rootstock (<i>Lycopersicon esculentum</i> L.)
TYPE	Intra-specific rootstock
PLANT VIGOUR	Medium strong
UNIFORMITY	Very good
COMPATIBILITY	Good
DISEASE REACTION (SCIENTIFIC)	<p>High resistance: <i>Verticillium dahliae</i> race 1 (Vd: 1), <i>Fusarium oxysporum f.sp lycopersici</i> races 1, 2 and 3 (Fol: 1 - 3), <i>Meloidogyne incognita</i> (Mi), <i>Tomato mosaic virus</i> race 0-2 (ToMV:0-2) and <i>Fusarium oxysporum f.sp radidis lycopersici</i> (Forl)</p> <p>Intermediate resistance: <i>Ralstonia solanacearum</i> (Rs), <i>Pyrenochaeta lycopersici</i> (Pl) and <i>Clavibacter michiganensis subsp. michiganensis</i> (Cmm)</p>

* Characteristics given are affected by production methods such as soil type, nutrition, planting population, planting date and climatic conditions. Please read disclaimer.

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 the performance of crops relative to the information given nor do we accept any liability for any loss, direct or consequential, that may arise from whatsoever cause. Please read the Sakata Seed Southern Africa (Pty) Ltd Conditions of Sale before ordering seed. **Resistance:** is the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure (HR = High resistance, IR = Intermediate resistance).

* **Experimental:** This variety does not appear on the current South African Variety list, but has been submitted for registration.

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