



## OUTSTANDING QUALITIES

- ◆ HIGH RESISTANCE AGAINST BACTERIAL WILT, BUCKEYE FRUIT & ROOT ROT AND TWO ROOT-KNOT NEMATODE SPECIES (MI AND MJ)
- ◆ EASY GRAFTER
- ◆ VERY VIGOROUS ROOT SYSTEM

**Guardian** is an F1 hybrid pepper rootstock offering high resistance against three major root diseases; Root-knot (Mi, Mj), Buckeye fruit and root rot (Pc) and Bacterial wilt (Rs). Grafting on **Guardian** forms part of an integrated approach to nematode control and can facilitate high, consistent yields over a longer season compared to non-grafted plants. The strong root system has the advantage that the plants grafted on **Guardian** have been observed to tolerate temperature fluctuations and nutrient deficiencies better than plants on their own roots. **Guardian** is an easy grafter with uniform germination which makes graft planning easier and more accurate. **Guardian** has high resistance against Potato virus Y (PVY: 1 - 2) and Tomato mosaic virus (ToMV).

## SPECIAL VARIETAL REQUIREMENTS

- Trial work to date has shown good compatibility with various scion varieties. However, local trials under grower conditions are encouraged
- We recommend a soil analysis at a reputable laboratory to confirm the identity of the soil-borne pests in order to choose the best rootstock variety for the specific situation
- Contact the area representative for more information

CHARACTERISTIC*	GUARDIAN
KIND	F1 hybrid hot pepper ( <i>Capsium</i> L.)
TYPE	Pepper rootstock ( <i>Capsium</i> L. x <i>Capsium</i> L.)
PLANT VIGOUR	Very good
UNIFORMITY	Excellent
COMPATIBILITY	Good
DISEASE REACTION (SCIENTIFIC)	<b>High resistance:</b> <i>Potato virus Y</i> (PVY: 1 - 2), <i>Tomato mosaic virus</i> (ToMV), <i>Ralstonia solanacearum</i> (Rs), <i>Phytophthora capsici</i> (Pc), <i>Meloidogyne javanica</i> (Mj) and <i>Meloidogyne incognita</i> (Mi R1-4)

\* 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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