

# MAKATINI

## Garden Bean

P.B.R.

### OUTSTANDING QUALITIES

- ◆ HIGH YIELD POTENTIAL
- ◆ INTERMEDIATE RESISTANCE TO BCMV AND RUST
- ◆ EXCEPTIONAL POD QUALITY
- ◆ TOLERANCE TO HIGH TEMPERATURES

**Makatini** has been developed as a fine bean for the pre-pack market. Having been developed in Africa, **Makatini** is widely adapted to African conditions and offers intermediate resistance to Bean common mosaic (BCMV), Bean angular leaf spot (Pg) and Rust (Ua). The pods are ideal for pre-packing as they are straight, very tender and have a shiny dark green colour. The field holding ability is good and seed development is slow.

### SPECIAL VARIETAL REQUIREMENTS

- Seed count varies from seed lot to seed lot. Contact area representative for more information
- Good results may be expected with a well-balanced fertilisation programme. Kindly contact a fertiliser specialist for a fertiliser guide



CHARACTERISTIC*	MAKATINI
KIND	Garden bean ( <i>Phaseolus vulgaris</i> L.)
TYPE	Fine bean
PLANT TYPE	Compact, upright bush
MATURITY	Early (55 - 60 days from sowing)
SEASON	Main season and frost-free winter conditions
POD SHAPE	Straight and round
POD COLOUR	Shiny dark green
YIELD POTENTIAL	High
POD LENGTH (mature green)	12 – 14 cm
SHELF LIFE (mature green)	Good
UNIFORMITY	Excellent
PLANT POPULATION GUIDE	185 000 – 275 000 final stand per ha
PLANT SPACING GUIDE	Between rows: 1 – 1.6 m. Between plants in the row: 10 – 12 cm
DISEASE REACTION (SCIENTIFIC)	<b>Intermediate resistance:</b> Bean common mosaic virus (BCMV), <i>Uromyces appendiculatus</i> (Ja) and <i>Phaeoisariopsis griseola</i> (Pg)
AVERAGE SEED COUNT	Approximately 5000 seeds/kg
SEED REQUIREMENT	35 – 45 kg/ha
END USE	Fresh market and pre-pack
SPECIAL FEATURES	Exceptional pod quality: tender, shiny and dark green

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

**P.B.R. WARNING:** VARIETY PROTECTED UNDER **PLANT BREEDERS RIGHTS**. UNAUTHORIZED MULTIPLICATION AND/OR MARKETING OF SEED PROHIBITED.

**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. Resistant varieties may also exhibit disease symptoms under sustained stress inducing environmental conditions such as soil temperatures above 27 °C. (HR = High resistance, IR = Intermediate resistance).

**Recent version:** Kindly contact Sakata or Area Representative for the most recent version of this Technical Bulletin.