



# PROTECTED CROP PRODUCT GUIDE 2022 – 2024

AUSTRALIA





# CONTENTS

**1**

## **TOMATO**

Truss & Loose  
Cherry & Cocktail  
Specialty

**11**

## **CAPSICUM**

Mini Pointed  
Yellow  
Half Long

**13**

## **CUCUMBER**

Continental  
Slicer  
Snacking  
Lebanese

**17**

## **BEANS**

Pole

**19**

## **ROOTSTOCK**

Tomato

**23**

## **TECHNICAL INFORMATION**

Variety Summaries  
Resistances  
Seed Quality  
Quality Assurance

**37**

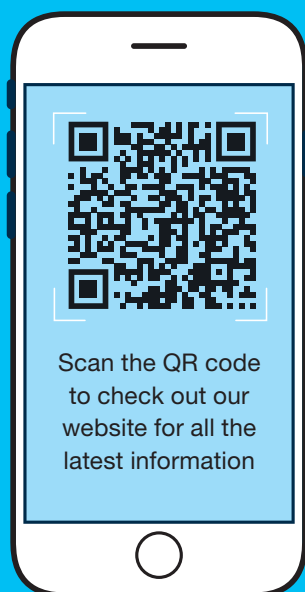
## **MEET THE TEAM**

# LET'S GROW BETTER TOGETHER

Since the 1500s, pioneers in the Netherlands have led the world's breakthroughs in seed science. This rich heritage of innovation is what drives De Ruiter forward. We strive to advance the science of greenhouse and glasshouse production not only for today, but far into the future. It's a passion we'll carry forth, generation after generation.

We are dedicated to serving protected-culture growers and our global presence means that the unique challenges you face can now be met with more tailored solutions.

The precision and innovation you've come to expect from De Ruiter can be found at an even more powerful scale as we use our global network and partnerships to help you anticipate market trends and develop shared solutions to help grow future success for the entire value chain.



# TOMATO

LARGE TRUSS, MEDIUM TRUSS, LARGE LOOSE,  
SALADETTE, CHERRY ROUND, CHERRY PLUM,  
COCKTAIL PLUM, SPECIALTY



SCAN ME

*View our range of  
Tomato varieties*

“

Marinice provides the power and vigour to perform through the hot Australian summer and our highest yield during this period.

”

*MITRI HYDROPONICS*

## LARGE TRUSS



LATEST



LATEST



### BREONICE



Breonice is a jointless large truss variety with high yield potential, large size and improved truss quality. With a balanced plant habit it produces superb shiny fruits with FULL RED internal colour.

### GRANDICE



Grandice is a jointless, extra-large truss tomato with high yield potential and good truss quality. Grandice is another variety from our FULL RED range, glossy on the outside and FULL RED internal colour on the inside. Together with its strong disease resistance package, its appearance and quality will be appreciated by the consumer.

### MARINICE



Marinice is a uniform variety with excellent vigour and good fruit size. Marinice is a dual-purpose variety for both summer and winter crop cycles, making this versatile tomato a great alternative to Merlice in variable growing conditions.

### FEATURES



**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
160–190g

**Harvest:**  
Large Truss

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0  
IR Lt/On/Pi

### FEATURES



**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
170–200g

**Harvest:**  
Large Truss

**Resistances:**  
HR ToMV:0–2/ToTV/Pf:A–E/Fol:0,1/  
For/Va:0/Vd:0  
IR On

### FEATURES



**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
155–165g

**Harvest:**  
Large Truss

**Resistances:**  
HR ToMV:0–2/ToTV/Pf:A–E/Fol:0,1/  
For/Va:0/Vd:0  
IR On

Suitable in the following  
cropping environments:



Protected  
heated



Protected  
unheated

## LARGE TRUSS



### MERLICE



Merlice helps growers reach their full growing potential. It is a large truss variety with excellent shelf life and exceptional shelf appearance. It maintains fruit size up the vine, leading to higher production and improved yield potential.

### FEATURES

**Shape:**  
Round

**Colour:**  
Medium Red

**Weight:**  
150–165g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0  
IR On

## MEDIUM TRUSS



### CONFIANCE



Confiance offers Intermediate Resistance to Powdery mildew and high yield potential. With excellent fruit quality and an appealing internal and external colour, Confiance will quickly become a consumer favourite.

### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
120–140g

**Harvest:**  
Truss

**Resistances:**  
HR ToMV:0–2/ToTV/Pf:A–E/Fol:0,1/  
For/Va:0/Vd:0  
IR TSW:0/On



### RADIANCE



Radiance is a medium truss variety that features a strong resistance package and excellent fruit quality.

### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
130–150g

**Harvest:**  
Truss

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0  
IR TSW:0/Lt/On

Suitable in the following  
cropping environments:



Protected  
heated



Protected  
unheated



## MEDIUM TRUSS



### BOLZANO



Bolzano is an orange medium truss tomato that's very popular around the world. It offers uniform trusses with 6–7 fruits per truss. Bolzano fits into every specialty truss segment and has an excellent taste!

### FEATURES

**Shape:**  
Round

**Colour:**  
Orange

**Weight:**  
90–100g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0



### LORENZO



Lorenzo is a medium truss tomato with an attractive deep yellow colour and delicious flavour.

### FEATURES

**Shape:**  
Round

**Colour:**  
Yellow

**Weight:**  
100–130g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/Fol:0,1/For/Va:0/Vd:0

## LARGE LOOSE



### CHEKERO



Chekero is a large loose tomato particularly suited to a protected unheated culture environment. This variety produces highly uniform fruit with good shelf life. The plant has medium vigour with long cropping potential.

### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
180–200g

**Harvest:**  
Loose

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For  
IR On

Suitable in the following  
cropping environments:



Protected  
heated



Protected  
unheated

## LARGE LOOSE



### ARMARO



Armaro has an attractive shine, colour and vigorous plant habit. This variety has a complete disease resistance package, and a similar fruit weight to Listell.

### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
160–180g

**Harvest:**  
Loose

**Resistances:**  
HR ToMV:0–2/ToTV/Pf:A–E/Fol:0,1/  
For/Va:0/Vd:0  
IR TSWW:0/On



### LISTELL



Listell is a grower favourite. It's an open, labour-friendly variety that produces firm, medium/large fruit with good shelf life.

### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
170–180g

**Harvest:**  
Loose

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0

## SALADETTE



### MALINCHE



You'll find Malinche in salads across Australia and the world. Many tomato growers prefer it because it ticks a lot of boxes. It's an indeterminate tomato suited to unheated and heated production. With its strong plant and heat-set properties, Malinche produces large fruit that are plump, juicy and tasty.

### FEATURES

**Shape:**  
Plum

**Colour:**  
Red

**Weight:**  
130g

**Harvest:**  
Loose

**Resistances:**  
HR ToMV:0–2/Pf:B,D/Fol:0,1/For/Va:0/  
Vd:0  
IR TSWW:0/Ma/Mi/Mj

Suitable in the following cropping environments:



Protected heated



Protected unheated

## CHERRY ROUND



### SHARMITA



Sharmita is a new premium cherry truss tomato from De Ruiter with a powerful and balanced taste profile. Optimising acidity and sweetness brings this new and versatile tomato to consumers who are seeking greater depth of flavour for snacking or culinary exploits.

#### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
12–14g

**Harvest:**  
Truss

**Resistances:**  
HR ToMV:0–2/ToTV/TSWW/Pf:A–E/  
Fol:0–1/For/Va:0/Vd:0  
IR Pst:0/On/Ma/Mi/Mj

### CHERELINO



Cherelino produces a high yield of good quality fruit, particularly in a protected unheated culture. The plant is vigorous and vegetative. Fruit are glossy, red, weigh 15–20g and are suitable for truss or single pick.

#### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
15–20g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/Va:0/Vd:0  
IR Pst:0/Ma/Mi/Mj

### CONCHITA



Conchita is a grower friendly variety combining high yield potential with good quality. Suitable for truss and loose harvest.

#### FEATURES

**Shape:**  
Round

**Colour:**  
Red

**Weight:**  
18–22g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0

Suitable in the following  
cropping environments:



Protected  
heated



Protected  
unheated

## CHERRY ROUND

---



### DRC 564



This cherry truss tomato is popular with a wide range of greenhouses. Its versatility gives growers plenty of production options throughout the year. DRC 564 is recognisable by its deep red colour, uniform, shiny fruits and excellent taste.

## FEATURES

---

**Shape:**  
Round

---

**Colour:**  
Red

---

**Weight:**  
18–22g

---

**Harvest:**  
Truss or Loose

---

**Resistances:**  
HR ToMV:0–2/Fol:0,1/Va:0/Vd:0  
IR TSWV:0/Ma/Mi/Mj

---



## CHERRY PLUM



### DELISHER



Delisher is a cherry plum tomato with high yield potential, uniform fruit and is suitable for truss and loose harvest. Delisher has excellent taste especially when harvested on the vine.

### FEATURES

**Shape:**  
Plum

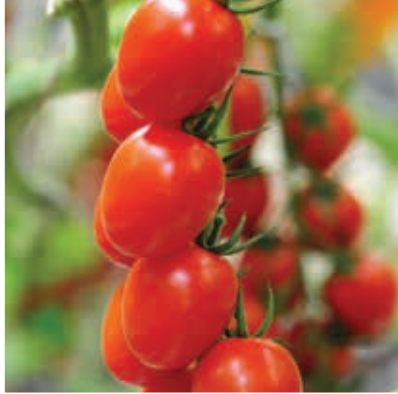
**Colour:**  
Red

**Weight:**  
18–26g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/ToTV/Pf:A–E/Fol:0  
IR Ma/Mi/Mj

## COCKTAIL PLUM



### FLAVORINO



Flavorino is not only flavoursome it also has a wide range of benefits that growers love. Its plum cocktail fruit grows on uniform trusses, producing around 12–14 fruits. Flavorino can also be harvested loose. Its plant has a balanced generative character. Grafting for long crops is recommended.

### FEATURES

**Shape:**  
Plum

**Colour:**  
Red

**Weight:**  
35g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/Fol:0,1/Va:0/Vd:0  
IR Pst:0/Ma/Mi/Mj



### STRABENA



Strabena is a shiny, plum-shaped tomato with excellent fruit quality. This variety has a strong truss attachment not only at harvest, but also days after during shelf life.

### FEATURES

**Shape:**  
Plum

**Colour:**  
Red

**Weight:**  
18–26g

**Harvest:**  
Truss or Loose

**Resistances:**  
HR ToMV:0–2/ToTV/Pf:A–E/Fol:0,1  
IR Ma/Mi/Mj

Suitable in the following cropping environments:



Protected heated



Protected unheated

## SPECIALTY BROWN



### CHOCOMATE



Chocomate is a chocolate brown coloured colletato type with good yield potential. It's very adaptable and suits various climate conditions.

### SV0946TS



SV0946TS is a striped plum tomato with unique red-brown/green zebra-striped fruits, for truss or loose harvest. This is a very attractive tomato for retailers and consumers.

### ZEBRINO



Zebrino is a beautiful brown striped cocktail tomato hybrid with a unique appearance and deep red internal colour. Zebrino has a very generative plant that calls for grafting and adequate plant density for long crops.

### FEATURES

**Shape:**

Round – Flat

**Colour:**

Chocolate Brown

**Weight:**

80–120g

**Harvest:**

Loose

**Resistances:**

HR ToMV:0–2/ToTV/Pf:A–E/Fol:0,1/For  
IR TYLCV

### FEATURES

**Shape:**

Cocktail Plum

**Colour:**

Red-Brown/Green Striped

**Weight:**

35–40g

**Harvest:**

Truss or Loose

**Resistances:**

HR ToMV:0–2/Fol:0,1/Va:0/Vd:0  
IR Ma/Mi/Mj

### FEATURES

**Shape:**

Cherry Round

**Colour:**

Red with Vertical Green Stripes

**Weight:**

30–40g

**Harvest:**

Loose

**Resistances:**

HR ToMV:0–2/Va:0/Vd:0  
IR Ma/Mi/Mj

Suitable in the following cropping environments:



Protected heated



Protected unheated

## SPECIALTY PINK



### DRK 936



DRK 936 is a pink plum tomato for loose harvest. Fruits are round plum shape with a deep pinking red colour. Fruit uniformity is very good.

## FEATURES

### Shape:

Cocktail Plum

### Colour:

Deep Pinking Red

### Weight:

60–80g

### Harvest:

Loose

### Resistances:

HR ToMV:0–2/Pf:A–E/Fol:0,1/For/Va:0/  
Vd:0  
IR Ma/Mi/Mj

## SPECIALTY YELLOW



### YELORITA



Yelorita has a consumer-preferred taste and excellent shelf life. This yellow cherry is suitable for truss harvest.

## FEATURES

### Shape:

Round

### Colour:

Yellow

### Weight:

12–22g

### Harvest:

Cherry Truss – Yellow

### Resistances:

HR ToMV:0–2/ToTV/Va:0/Vd:0  
IR TYLCV/Pst:0/Ma/Mi/Mj

Suitable in the following cropping environments:



Protected heated



Protected unheated





# CAPSICUM

MINI POINTED, YELLOW, HALF LONG



SCAN ME

*View our range of  
Capsicum varieties*



## MINI POINTED



### ABSA 98012Y



This sweet yellow pepper produces mini pointed fruits with few seeds that are 3–4cm in diameter and 6–8cm long. ABSA 98012Y is suitable for heated and unheated cultivation.

### FEATURES

**Colour:**  
Yellow

**Weight:**  
20–30g

**Resistances:**  
HR PVY:0/Tm:0



### ABSAORANGE



This mini pointed pepper has excellent taste and high brix with very few seeds. Absaorange is suitable for heated and unheated cultivation.

### FEATURES

**Colour:**  
Orange

**Weight:**  
40–60g

**Resistances:**  
HR PVY:0/Tm:0

## YELLOW



### TALLANTE



Tallante is a yellow blocky capsicum offering a generative plant vigour, producing uniform, vibrant, yellow fruit the entire season. Tallante balances fruit production and leaf growth, providing a canopy that protects fruit from sun damage.

### FEATURES

**Colour:**  
Yellow

**Weight:**  
240–245g

**Resistances:**  
HR Tm:0–2  
IR TSWV:0

Suitable in the following cropping environments:



## HALF LONG



### DELOR



Delor is a half-long red pepper variety, suitable for unheated protected production. It offers a balanced, compact plant habit with early production and excellent red colour. Delor produces heavy fruit with thick walls, giving high production potential. Delor is a complement to Seminis® varieties SV0522PH and SV5581PH.

### FEATURES

**Colour:**  
Green to Red

**Weight:**  
325g+

**Resistances:**  
HR Tm:0-3  
IR TSWV:0



### SV0522PH



SV0522PH is a half long, green to red capsicum for the protected unheated segment. It is a fast ripening, cold to hot variety with a strong disease package.

### FEATURES

**Colour:**  
Green to Red

**Weight:**  
325g+

**Resistances:**  
HR Tm:0-3  
IR TSWV:0



### SV5581PH



SV5581PH is a half long green to red maturing capsicum for unheated greenhouse production. It comes with a strong disease resistance package and high production potential.

### FEATURES

**Colour:**  
Green to Red

**Weight:**  
370g+

**Resistances:**  
HR Tm:0-3  
IR TSWV:0

Suitable in the following cropping environments:



Protected heated



Protected unheated

# CUCUMBER

CONTINENTAL, SLICER, SNACKING, LEBANESE



SCAN ME

*View our range of  
Cucumber varieties*



## CONTINENTAL



### SV0091CE



This cool-weather continental cucumber is suited to protected unheated environments. It is a vigorous, healthy plant with Intermediate Resistance to Powdery mildew and is strong against cold stripes. It fills its fruit well and creates an attractive dark green shape with very little neck, providing you with a great-looking, marketable crop.

### FEATURES

**Type:**  
Continental

**Average Fruit Length:**  
31cm

**Harvest:**  
Winter–Spring

**Resistances:**  
HR CVYV/Cca/Ccu  
IR CGMMV/CYSDV/Px

## SLICER



### SV6836CP



A slicing cucumber from Seminis, SV6836CP offers growers a reliable variety with high marketable yield potential and good disease package. With improved fruit quality, SV6836CP is also friendly to manage. This variety is a direct replacement for Kenia.

### FEATURES

**Type:**  
Slicer

**Average Fruit Length:**  
19–22cm

**Harvest:**  
Spring and Summer

**Resistances:**  
HR CMV/CVYV/Ccu/Px  
IR Cca

## SNACKING



### DR7109CB



DR7109CB is a dark green snack cucumber with a good bite, good quality, regular average fruit weight and a high yield potential. Due the short internodes and generative crop type, this variety needs less labor than other varieties. It is easy to pack resulting in lower packaging costs.

### FEATURES

**Type:**  
Snacking

**Average Fruit Length:**  
9cm

**Harvest:**  
Year round

**Resistances:**  
HR CMV/Ccu  
IR CVYV

Suitable in the following  
cropping environments:



Protected  
heated



Protected  
unheated

# LEBANESE



## BAZELET



Offering growers high yield potential and great fruit quality, Bazelet is a strong plant suitable to different soil types. The Lebanese cucumber has the potential for a longer growing season and better coping capacity under harsh conditions than the market standard.

### FEATURES

**Type:**  
Lebanese

**Average Fruit Length:**  
15–17cm

**Harvest:**  
Autumn and Spring

**Resistances:**  
HR WMV/ZYMV/Ccu/Px  
IR CMV/CVYV/PRSV

## DIDIM



There are lots of reasons why Didim has been a popular choice for many years. It can be planted early spring and late autumn, and has a cropping period of up to five months. Didim also has moderate vigour of the main stem and strong lateral development.

### FEATURES

**Type:**  
Lebanese

**Average Fruit Length:**  
17–18cm

**Harvest:**  
Autumn and Spring

**Resistances:**  
HR Px  
IR CVYV

## HIBA



Hiba is a vigorous variety with a very strong recovery and high yield potential. An ideal variety for a winter harvest, with sowing from early April to early June.

### FEATURES

**Type:**  
Lebanese

**Average Fruit Length:**  
16–17cm

**Harvest:**  
Late Autumn and Winter

**Resistances:**  
IR Px

Suitable in the following cropping environments:



Protected heated



Protected unheated



# LEBANESE



## JANA



Jana is a cold-tolerant Lebanese cucumber with good fruit shape and colour. It offers growers a productive solution over the winter period. It has Intermediate Resistance to Powdery mildew.

## JAZEEL



Jazeel is a high-quality Lebanese cucumber for spring planting. The plant is moderately vigorous and develops short laterals. Fruits are dark green and slender, and have a nice gloss.

## MASCOT



Mascot has a strong vigorous main stem, and laterals. It is single fruited on the main stem with one to two fruit on the laterals. Harvest in the late autumn and winter. Fruit are cylindrical and are produced early in high numbers.

### FEATURES

**Type:**  
Lebanese

**Average Fruit Length:**  
18cm

**Harvest:**  
Autumn and Winter

**Resistances:**  
IR Px

### FEATURES

**Type:**  
Lebanese

**Average Fruit Length:**  
16–18cm

**Harvest:**  
Spring and Summer

**Resistances:**  
HR Px  
IR CMV/CVYV

### FEATURES



**Type:**  
Lebanese

**Average Fruit Length:**  
14–16cm

**Harvest:**  
Late Autumn and Winter

**Resistances:**  
HR Px  
IR CMV/CVYV

Suitable in the following cropping environments:



Protected heated



Protected unheated

## LEBANESE

---



### MONTANA



Montana is a true summer Lebanese cucumber variety. Montana has a moderately vigorous plant habit with short laterals. It offers consistent fruit set and is a high yielding variety that fruits early.

### FEATURES

---

**Type:**  
Lebanese

**Average Fruit Length:**  
16–18cm

**Harvest:**  
Summer

**Resistances:**  
HR Px  
IR CMV/CVYV

### SOGNO VERDE



Multi-fruiting Lebanese cucumber, Sogno Verde offers greenhouse growers a market-leading disease package with High Resistance to Cucumber vein yellowing virus. Sogno Verde is an attractive dark green fruit with high yield potential and good heat tolerance. Sogno Verde will quickly become a grower and consumer favourite.

### FEATURES

---

**Type:**  
Lebanese

**Average Fruit Length:**  
15–17cm

**Harvest:**  
Spring and Autumn

**Resistances:**  
HR CVYV/WMV/ZYMV/Ccu  
IR CMV/CYSDV/PRSV/Px

Suitable in the following  
cropping environments:



Protected  
heated



Protected  
unheated

# BEANS

POLE



SCAN ME

*View our range of  
Bean varieties*



POLE



**FIRDAOUSS**



Firdaouss is a flat pole bean that produces uniform, straight, attractive intermedium dark green pods. It has a good setting capacity offering high yield potential with a vigorous, healthy plant. An early maturing variety with very slow seed development.

**FEATURES**

**Pod Length:**  
20–22cm

**Colour:**  
Medium Green

**Resistance:**  
HR BCMV

**SV3213GP**



SV3213GP is a flat pole bean with excellent pod quality. This variety is unique in producing dark green coloured pods offering an alternative option to traditional light green-coloured varieties. It has good cold tolerance with a high vigorous plant.

**FEATURES**

**Pod Length:**  
18–24cm

**Colour:**  
Dark Green

**Resistance:**  
HR BCMV

**SV3212GP**



SV3212GP is a high yielding climbing flat bean that produces straight, attractive, uniform light green-coloured pods. This variety has a good tolerance to both hot and cold growing conditions. A strong, vigorous plant, pods are of a high quality and very slow seed development. SV3212GP has a more concentrated pod set than Polo.

**FEATURES**

**Pod Length:**  
23–24cm

**Colour:**  
Light Green

**Resistance:**  
HR BCMV

Suitable in the following cropping environments:



Protected heated



Protected unheated



# ROOTSTOCK

TOMATO



SCAN ME

*View our range of  
Rootstock varieties*

# YOUR ROOTS OF SUCCESS

Yield has to do with choices, especially if you cultivate tomatoes. This starts as early as the choice of rootstock. For every cultivation strategy, the grower must take a great many factors into account nowadays including:

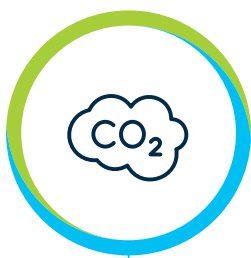
Variety, cultivation medium, specific resistances, greenhouse type, CO<sub>2</sub> capacity, climate and cultivation method, etc. That is also why De Ruiter offers its clients five different and unique rootstock varieties which take their specific conditions into account – five solutions waiting for one thing only: your search for success.

# CULTIVATION CONDITIONS DETERMINE SUCCESS

With its broad range of rootstocks, De Ruiter is responding to the latest developments in the market.

The market is characterised by an increasing variety of cultivation methods and demands, a greater selection of available varieties, and a search for optimum cultivation systems. The choice of the appropriate rootstock is determined by a range of cultivation factors including the type of greenhouse, the variety chosen, the CO<sub>2</sub> capacity, and last but not least the grower.





## CO<sub>2</sub>

The CO<sub>2</sub> capacity impacts upon crop growth throughout the cultivation season and also affects the choice of rootstock.



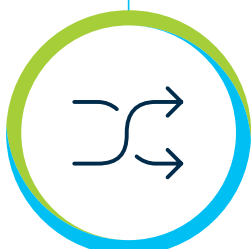
## GREENHOUSE

Recently built greenhouses over 4 metres tall, larger glass surfaces and greater light penetration guarantee higher production potential.



## GROWER

Every grower has their own personal methods. Some target vegetative growth, others prefer a generative crop cycle.



## VARIETY

To obtain optimum benefit from the variety as well as the rootstock used, both must be well suited to each other.



## SUBSTRATE

The type of substrate also influences the choice of the rootstock. The plant will respond differently to a generative substrate compared with a vegetative substrate.



Scan the code to download more information about Rootstock from De Ruiter®

# TOMATO

**LATEST**



## EQUIFORT



Equifort is a generative tomato rootstock enabling better control of the plant and a more balanced crop. Equifort directs its vigour and activity towards fruit production, leading to higher average fruit weight and a larger number of trusses.

### Resistances:

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



## DR0141TX



This rootstock combines it all. The absolute superior power in this rootstock can be exploited and converted into higher yield potential and will equally give better endurance in long summer crops. DR0141TX has been developed with the trend towards artificially lit crops in mind.

### Resistances:

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



## MAXIFORT



The rootstock for substrate crops that has proven its value over and over again throughout Australia's harsh summers. Your safe choice, even for vegetative scions, Maxifort provides a balanced growth to maximise your yield.

### Resistances:

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



## MULTIFORT



Multifort is an extremely strong rootstock for the soil-based cultivation of tomatoes. It is a very unique rootstock because it combines extremely vigorous growth with resistance against Fusarium 3.

### Resistances:

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



## SHINCHEONGGANG



The tomato rootstock for open field staked crops and greenhouse crops that combines a complete disease resistance package with medium vigour.

### Resistances:

HR ToMV:0-2/Rs/Fol:0-2/For/Va:0/  
Vd:0  
IR Ma/Mi/Mj

Suitable in the following cropping environments:



Protected heated



Protected unheated

“

De Ruiter has always set the standard for Tomato breeding, an extremely innovative company that is respected in the industry and great to deal with.

”

*SA TOMATOES*



# TECHNICAL INFORMATION

VARIETY SUMMARIES, RESISTANCES, SEED QUALITY,  
QUALITY ASSURANCE





## TOMATO

Large Truss	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
BREONICE	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/Vd:0 IR Lt/On/Pi	✓		✓		160-190
	Superb shiny fruit with FULL RED internal colour and a balanced plant habit					
GRANDICE	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0,1/For/ Va:0/Vd:0 IR On	✓		✓		170-200
	A jointless, extra-large truss tomato with high yield potential and good truss quality. Glossy on the outside and a FULL RED internal colour.					
MARINICE	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0,1/For/ Va:0/Vd:0 IR On	✓		✓		155-165
	Strong fruit skin with good brix, a dual-purpose variety for both summer and winter crop cycles.					
MERLICE	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/Vd:0 IR On	✓		✓	✓	150-165
	Excellent yield potential and Intermediate Resistance to Powdery mildew. Maintains fruit size up the vine.					

Medium Truss	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
BOLZANO	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/ Vd:0	✓		✓	✓	90-100
	Bolzano is a truss tomato with round orange fruit. This tomato fits into every specialty truss segment.					
CONFIANCE	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0,1/For/ Va:0/Vd:0 IR TSWV:0/On	✓		✓		120-140
	Confiance offers high yield potential, excellent fruit quality and an appealing internal and external colour.					
LORENZO	HR ToMV:0-2/Fol:0,1/For/Va:0/Vd:0	✓		✓	✓	100-130
	Lorenzo is a truss tomato with an attractive deep yellow colour and delicious flavour.					
RADIANCE	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/Vd:0 IR TSWV:0/Lt/On	✓		✓		130-150
	Radiance features a strong resistance package and excellent fruit quality.					

## TOMATO

Large Loose	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
ARMARO	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0,1/For/Va:0/Vd:0 IR TSWV:0/On	✓	✓		✓	160-180

Armaro has an attractive shine and colour with a complete disease resistance package.

CHEKERO	HR ToMV:0-2/Pf:A-E/Fol:0,1/For IR On		✓		✓	180-200
---------	---	--	---	--	---	---------

Produces highly uniform fruit with good shelf life.

LISTELL	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/ Vd:0		✓		✓	170-180
---------	--	--	---	--	---	---------

Listell is an open, loose, labour-friendly variety that produces firm, medium/large fruit with good shelf life.

Saladette	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
MALINCHE	HR ToMV:0-2/Pf:B,D/Fol:0,1/For/Va:0/Vd:0 IR TSWV:0/Ma/Mi/Mj	✓	✓		✓	130

A popular choice for salads across Australia and the world. Malinche has a strong plant and heat-set properties, producing large fruit that are plump, juicy and tasty.

Cherry Round	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
CHERELINO	HR ToMV:0-2/Pf:A-E/Fol:0,1/Va:0/Vd:0 IR Pst:0/Ma/Mi/Mj		✓	✓	✓	15-20

A vigorous and vegetative plant, Cherelino produces good quality, glossy, red fruits.

CONCHITA	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/ Vd:0	✓	✓	✓		18-22
----------	--	---	---	---	--	-------

Grower friendly variety with high yield potential.

DRC 564	HR ToMV:0-2/Fol:0,1/Va:0/Vd:0 IR TSWV:0/Ma/Mi/Mj	✓		✓	✓	18-22
---------	---	---	--	---	---	-------

Versatile variety with a deep red colour, uniform, shiny fruits.

SHARMITA	HR ToMV:0-2/ToTV/TSWV/Pf:A-E/Fol:0-1/ For/Va:0/Vd:0 IR Pst:0/On/Ma/Mi/Mj	✓		✓		12-14
----------	--	---	--	---	--	-------

Powerful and balanced taste profile of acidity and sweetness.



# TOMATO

Cherry Plum	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
DELISHER	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0 IR Ma/Mi/Mj	✓		✓	✓	18-26
Delisher has excellent taste especially when harvested on the vine.						

Cocktail Plum	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
FLAVORINO	HR ToMV:0-2/Fol:0,1/Va:0/Vd:0 IR Pst:0/Ma/Mi/Mj	✓	✓	✓	✓	35
Flavour and uniformity with a balanced, generative plant.						

STRABENA	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0,1 IR Ma/Mi/Mj	✓		✓	✓	18-26
This variety has a strong truss attachment not only at harvest, but also days after during shelf life.						

Specialty Brown	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
CHOCOMATE	HR ToMV:0-2/ToTV/Pf:A-E/Fol:0,1/For IR TYLCV	✓	✓		✓	80-120
Colletato type with good yield potential. Adaptable to various climate conditions.						

SV0946TS	HR ToMV:0-2/Fol:0,1/Va:0/Vd:0 IR Ma/Mi/Mj	✓		✓	✓	35-40
Unique zebra striped fruit that's attractive to retailers and consumers alike.						

ZEBRINO	HR ToMV:0-2/Va:0/Vd:0 IR Ma/Mi/Mj	✓	✓		✓	30-40
Brown striped cocktail tomato hybrid with a unique appearance and deep red internal colour.						

## TOMATO

---

Specialty Pink	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
DRK 936	HR ToMV:0-2/Pf:A-E/Fol:0,1/For/Va:0/ Vd:0 IR Ma/Mi/Mj	✓			✓	60-80

A pink plum tomato for loose harvest.

---

Specialty Yellow	Resistances	Heated	Unheated	Truss	Loose	AFW (g)
YELORITA	HR ToMV:0-2/ToTV/Va:0/Vd:0 IR TYLCV/Pst:0/Ma/Mi/Mj	✓		✓		12-22

Yellow cherry that's suitable for truss harvest, with a consumer preferred taste and an excellent shelf life.

---

## CAPSICUM

Mini Pointed	Resistances	Heated	Unheated	AFW (g)
ABSA 98012Y	HR PVY:0/Tm:0	✓	✓	20–30
Sweet yellow pepper produces mini pointed fruits with few seeds.				
ABSAORANGE	HR PVY:0/Tm:0	✓	✓	40–60
Mini pointed pepper has excellent taste and high brix with very few seeds.				

Yellow	Resistances	Heated	Unheated	AFW (g)
TALLANTE	HR Tm:0–2 IR TSWV:0		✓	240–245
Balances fruit production and leaf growth, providing a canopy that protects the fruit from sun damage.				

Half Long	Resistances	Heated	Unheated	AFW (g)
DELOR	HR Tm:0–3 IR TSWV:0		✓	325+
Half long, green to red capsicum. Produces heavy fruit with thick walls, giving high production potential.				
SV0522PH	HR Tm:0–3 IR TSWV:0		✓	325+
Half long, green to red capsicum. Fast ripening, cold to hot variety with a strong disease package.				
SV5581PH	HR Tm:0–3 IR TSWV:0		✓	370+
Half long, green to red capsicum. Strong disease resistance package and high production potential.				

## CUCUMBER

Continental	Resistances	Heated	Unheated	AFL (cm)
SV0091CE	HR CVYV/Cca/Ccu IR CGMMV/CYSDV/Px		✓	31
Top performer in a cold climate with an attractive dark green shape and very little neck, providing a great-looking, marketable crop.				

Slicer	Resistances	Heated	Unheated	AFL (cm)
SV6836CP	HR CMV/CVYV/Ccu/Px IR Cca		✓	19–22
SV6836CP offers growers a reliable variety with high marketable yield potential and good disease package.				

Snacking	Resistances	Heated	Unheated	AFL (cm)
DR7109CB	HR CMV/Ccu IR CVYV	✓		9
A dark green snacking cucumber with a good bite & good quality. It is easy to pack resulting in lower packaging costs.				

## CUCUMBER

Lebanese	Resistances	Heated	Unheated	AFL (cm)
BAZELET	HR WMV/ZYMV/Ccu/Px IR CMV/CVYV/PRSV		✓	15–17
Offering growers high yield potential and great fruit quality, Bazelet is a strong plant suitable to different soil types.				
DIDIM	HR Px IR CVYV		✓	17–18
Didim can be planted early spring and late autumn, and has a cropping period of up to five months.				
HIBA	IR Px		✓	16–17
Hiba is a high-yielding, vigorous variety with very strong recovery.				
JANA	IR Px		✓	18
Jana is cold-tolerant with good fruit shape and colour. It offers growers a productive solution over the winter period.				
JAZEEL	HR Px IR CMV/CVYV		✓	16–18
A vigorous plant with a strong stem and medium lateral development. This multiple fruiting variety has dark, cylindrical fruit.				
MASCOT	HR Px IR CMV/CVYV		✓	14–16
Single-fruited on the main stem with one to two fruit on the laterals. Fruit are cylindrical and produced early in high numbers.				
MONTANA	HR Px IR CMV/CVYV		✓	16–18
A true summer cucumber variety with consistent fruit set.				
SOGNO VERDE	HR CVYV/WMV/ZYMV/Ccu IR CMV/CYSDV/PRSV/Px		✓	15–17
Multi-fruiting cucumber with a market-leading disease package including High Resistance to Cucumber vein yellowing virus.				

## BEANS

Pole	Resistances	Heated	Unheated	Pod Length (cm)
FIRDAOUSS	HR BCMV		✓	20–22
A flat pole bean with a good setting capacity offering high yield potential.				
SV3213GP	HR BCMV		✓	18–24
This variety is unique in producing dark green coloured pods.				
SV3212GP	HR BCMV		✓	23–24
A high yielding climbing flat bean with a more concentrated pod set than Polo.				

## ROOTSTOCK

Rootstock	Resistances	Heated	Unheated
DR0141TX	HR ToMV:0–2/Fol:0,1/For/PI/Va:0/Vd:0 IR Ma/Mi/Mj	✓	
High performance in high input environment.			
EQUIFORT	HR ToMV:0–2/Fol:0,1/For/PI/Va:0/Vd:0 IR Ma/Mi/Mj	✓	
Comfort and high performance			
MAXIFORT	HR ToMV:0–2/Fol:0,1/For/PI/Va:0/Vd:0 IR Ma/Mi/Mj	✓	
Full power, maximum reliability.			
MULTIFORT	HR ToMV:0–2/Fol:0–2/For/PI/Va:0/Vd:0 IR Ma/Mi/Mj		✓
Strength and Protection.			
SHINCHEONGGANG	HR ToMV:0–2/Rs/Fol:0–2/For/Va:0/Vd:0 IR Ma/Mi/Mj		✓
Medium vigour and easy grafting.			

## RESISTANCES

---

Codes indicate available resistance in the Vegetable Seeds variety catalogue. Bayer has exercised reasonable care and skill in compiling this catalogue. The varieties with disease resistance claims have been tested for specified disease resistance. All resistances quoted refer only to races or pathotypes of the variety. It is important to recognise that the response of resistant plants to pests or pathogens can vary according to host age and depend on environmental factors. New and/or atypical pest or pathogen biotypes, races, or strains may overcome resistance, sometimes completely.

The descriptions, advice, resistance claims and vegetation cycles that are presented in this product guide are intended for general guidance only. The user should apply it in accordance with knowledge and experience of local conditions. Bayer follows International Seed Federation (ISF) recommendations concerning Resistance Codes. Bayer cannot accept any liability in connection with this product guide and does not guarantee any result or performance.

### DISEASE RESISTANCE TERMINOLOGY

**Resistance:** 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. Two levels of resistance are defined.

**High/Standard Resistance (HR):** Plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

**Moderate/Intermediate Resistance (IR):** Plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to high/standard resistant varieties. Moderate/intermediate resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

**Tolerance:** Tolerance is the ability of a plant variety to endure abiotic stress without serious consequences for growth, appearance and yield. Bayer makes NO claims of tolerance to diseases or disorders caused by pests.

Tomatoes		
Code	Scientific Name	English Name
Aal	<i>Alternaria alternata</i> f. sp. <i>lycopersici</i>	Alternaria stem canker
Fol	<i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i>	Fusarium wilt
For	<i>Fusarium oxysporum</i> f.sp. <i>radicis lycopersici</i>	Fusarium crown rot
Lt	<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i> )	Powdery mildew
Ma	<i>Meloidogyne arenaria</i>	Root knot nematode
Mi	<i>Meloidogyne incognita</i>	Root knot nematode
Mj	<i>Meloidogyne javanica</i>	Root knot nematode
On	<i>Oidium neolycopersicum</i> (ex <i>Oidium lycopersicum</i> )	Powdery mildew
Pf	<i>Passalora fulva</i>	Leaf mould
Pi	<i>Phytophthora infestans</i>	Late blight
Pl	<i>Pyrenochaeta lycopersici</i>	Corky root rot
Pst	<i>Pseudomonas syringae</i> pv.	Tomato bacterial speck
Sbl	<i>Stemphylium botryosum</i> f.sp. <i>lycopersici</i>	Grey leaf spot
Si	<i>Silvering</i>	
Sl	<i>Stemphylium lycopersici</i>	
Ss	<i>Stemphylium solani</i>	
ToMV	<i>Tomato mosaic virus</i>	
ToTV	<i>Tomato torrado virus</i>	
TSWV	<i>Tomato spotted wilt virus</i>	
TYLCV	<i>Tomato yellow leaf curl virus</i>	
Va	<i>Verticillium albo-atrum</i>	Verticillium wilt
Vd	<i>Verticillium dahliae</i>	Verticillium wilt

Capsicums		
Code	Scientific Name	English Name
PVY	<i>Potato virus y</i>	Potato virus y
Tm	<i>Tobamovirus</i> group	Tobamovirus group
TSWV	<i>Tomato spotted wilt virus</i>	Tomato spotted wilt virus

Beans – Pole		
Code	Scientific Name	English Name
BCMV		Bean common mosaic virus
BCTV		Beet curly top virus
Cl	<i>Colletotrichum lindemuthianum</i>	Anthraxnose
Psp	<i>Pseudomonas savastanoi</i> pv. <i>Phaseolicola</i>	Halo blight
Pss	<i>Pseudomonas syringae</i> pr <i>syringae</i>	Bacterial brown spot
Ua	<i>Uromyces appendiculatus</i>	Rust



Cucumber		
Code	Scientific Name	English Name
Pls	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	Angular leaf spot
Co	<i>Colletotrichum orbiculare</i>	Anthraco nose
Et	<i>Erwinia tracheiphila</i>	Bacterial wilt
BPYV	<i>Beet pseudo yellowing virus</i>	Beet pseudo yellowing virus
Fsc	<i>Fusarium solani</i> f.sp. <i>cucurbitae</i>	Crown and root rot
CGMMV	<i>Cucumber green mottle mosaic virus</i>	Cucumber green mottle mosaic
CMV	<i>Cucumber mosaic virus</i>	Cucumber mosaic
CVYV	<i>Cucumber vein yellowing virus</i>	Cucumber vein yellowing
CYSDV	<i>Cucurbit yellow stunting disorder virus</i>	Cucurbit yellow stunting disorder
Pcu	<i>Pseudoperonospora cubensis</i>	Downy mildew
For	<i>Fusarium oxysporum</i> f. sp. <i>radicis-cucumerinum</i>	Fusarium crown and root rot
Foc	<i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i>	Fusarium wilt
Db	<i>Didymella bryoniae</i>	Gummy stem blight
PRSV	<i>Papaya ringspot virus</i>	Papaya ringspot
–	<i>Phomopsis sclerotoides</i>	Phomopsis root rot (black root rot)
Gc	<i>Golovinomyces cichoracearum</i>	Powdery mildew
Px (Sf)	<i>Podosphaera xanthii</i>	Powdery mildew
Ccu	<i>Cladosporium cucumerinum</i>	Scab
Cca	<i>Corynespora cassiicola</i>	Target spot
WMV	<i>Watermelon mosaic virus</i>	Watermelon mosaic
ZYMV	<i>Zucchini yellow mosaic virus</i>	Zucchini yellow mosaic

Cucurbits – Rootstock		
Code	Scientific Name	English Name
Foc	<i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i>	Fusarium wilt
Fom	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i>	Fusarium wilt
Fon	<i>Fusarium oxysporum</i> f. sp. <i>niveum</i>	Fusarium wilt
Forc	<i>Fusarium oxysporum</i> f. sp. <i>radicis-cucumerinum</i>	Fusarium wilt
Ps	<i>Phomopsis sclerotoides</i> <i>Phomopsis</i>	Phomopsis black root rot
Vd	<i>Verticillium dahliae</i>	Verticillium wilt
Ma/Mi/Mj	<i>Melodogyne arenaria, incognita, javanica</i>	Root knot nematode
Rs	<i>Rhizoctonia solani</i> <i>Rhizoctonia</i>	Rhizoctonia root rot
CMV	<i>Cucumber Mosaic Virus</i>	Cucumber mosaic virus
CVYV	<i>Cucumber Vein Yellowing Virus</i>	Cucumber vein yellowing virus
Px	<i>Podosphaera xanthii</i> (was <i>Sphaerotheca fuliginea</i> )	Powdery mildew

# SEED QUALITY

---

## HOW BAYER PRODUCES HYBRID SEEDS

Hybrid seed production at Bayer requires rigorous processes to ensure high standards of quality. Hybrid parent lines are carefully shipped to Bayer-owned farms or to contracted seed growers. The male and female seeds are then planted side by side. Once the parental plants flower, they cross pollinate to produce the seed-bearing fruit. The fruits are monitored as they mature until they are ready for harvest. Finally the commercial hybrid seeds, also called F1 seed, are extracted from the fruit and shipped to one of twelve Bayer operations facilities where they are prepared for sale.

## ONLY THE BEST SEEDS ARE KEPT

Growing and harvesting high quality seeds is just the beginning. The seeds must be cleaned and conditioned, dried, sorted by size (for precision planters), thoroughly tested and packed prior to shipping. Many growing areas also require seeds to be treated with protectants, primed or pelleted. All of our seed is stored in bulk containers under controlled storage conditions. It is packed to order based on each customer's specifications. These services all require years of training as well as specialised equipment and logistical systems to do well.

It's one of the reasons why growers prefer to purchase seed each season from Bayer. All of our processes are designed to protect the quality of the seed – a fragile, living product.

## CONDITIONING

Seed conditioners separate fully formed seeds by weight, size, shape and colour. The process also removes plant materials, debris, dead seed and seed from other plants.

## SEED TREATMENTS

Seed treatments can be applied to seeds to protect them from disease during their most vulnerable time in the ground. They can also enhance germination, vigour and uniformity in the field. Common treatments include film coating, an application that coats the seed with a polymer that can hold to seed protectants.

The bright colour also makes the seed easy to identify during planting. In addition, some types of seed are "primed" to enhance its performance. Primed seeds have been hydrated and redried prior to sale. Another popular option is pelleting, a thick coating that makes very small seeds larger, perfectly round, and easy to handle. The pellet typically splits open or dissolves once it is in the ground and exposed to water.

Other seed treatments, such as hot water baths, are part of Bayer's comprehensive quality assurance system. These treatments are designed to kill harmful bacteria that may be on the seed.

## PACKAGING

Highly accurate machines are used to pack seed by count, weight and volume, depending on the crop and market. Pouches, foils, cans and pails are specially sealed to protect the seed during shipment and storage.

## QUALITY ASSURANCE

---

### HEALTH, PURITY AND VIGOUR

At Bayer we complete nearly 500,000 quality checks on our seed each year. This rigorous testing is the centrepiece of our comprehensive quality assurance system.

A single seed lot can be subjected to several dozen quality measurements. All commercially sold seed by Bayer is tested every six months for germination.

Several of our labs have been accredited by government auditors, such as the National Seed Health System in the United States and Naktuinbouw, the Dutch Inspection Service for Horticulture. To earn this prestigious status we have proven that our test results are reliable, reproducible and independent from commercial influence.

### GERMINATION AND VIGOUR TESTING

Completed in specialised growth chambers and greenhouses, these tests provide one of the most important quality measurements of seeds.

High germination percentages are indicative of health, vigour and the overall quality of the seeds.

Our procedures meet or exceed international standards.

### PHYSICAL PURITY

Using magnifiers and microscopes, technicians examine seed lots to detect weed seeds or other impurities.

Any irregularities are documented and the seed reconditioned or discarded, if needed.

### IDENTITY AND PURITY TESTING

It is impossible to identify a plant variety simply by looking at its seed. With 3,500+ products, Bayer has developed highly accurate methods to confirm identity and measure the percentage of hybridity of harvested seeds.

Using equipment similar to what is found in sophisticated medical labs, Bayer technicians can even identify specific products via their DNA fingerprint. When needed, field tests, called "grow-outs", are used to visually confirm that the plants have the right phenotype.

### SEED HEALTH

Destructive bacteria and plant viruses can be transmitted on seeds and Bayer takes extreme caution to prevent infection during seed production and afterwards. Random samples of seeds (usually 30,000 or 50,000 seeds per lot) are drawn from seed lots and tested for the presence of pathogens that are known to be problematic.

In addition to grow-outs, where seeds are planted in greenhouses and tested for disease symptoms, the team uses a number of highly sensitive tests to find seeds that may carry pathogens. This may include enzyme based ELISA assays and DNA-based PCR (polymerase chain reaction) tests. Bayer has made many breakthroughs in the area of seed health, and for the benefit of the industry has often shared that knowledge.

### QUALITY ASSURANCE RESEARCH

Bayer has a special team of quality experts whose job is to find new and innovative ways to improve the health and quality of seed. They study the physiological, horticultural and genetic factors that affect seed quality. We then use this information to guide our product development as well as the processes and technologies employed in seed production and operations.

### GOOD SEED AND PLANT PRACTICES (GSPP)

Bayer supports GSPP, an industry initiative from seed companies and plant raisers covering seeds and young plants. GSPP is a hygiene and prevention system focusing on *Clavibacter michiganensis* spp. *michiganensis* (Cmm) in tomato and rootstock for protected crops, strictly following state of the art standards and protocols with independent audits.

The goal of GSPP is to improve along the propagation chain the management and the prevention of Cmm risk. Zero risk with Cmm doesn't exist. The success of GSPP depends on the involvement of all partners in the chain, from seed producer until young plant raisers.



## COMMERCIAL/SALES

---



**ADRIAN SIMKINS**

De Ruiter Business Manager and  
Market Development Specialist  
+61 427 327 475  
adrian.simkins@bayer.com

---



**DANIELLE BULLER**

Seminis Sales Manager ANZ  
+61 400 949 065  
danielle.buller@bayer.com

---

## PROTECTED MARKET DEVELOPMENT

---



**FERGUS IRWIN**

Market Development Specialist – Unheated  
Protected Crops/Open Field Cucumber  
+61 447 666 837  
fergus.irwin@bayer.com

---



Scan the QR code  
to find your local  
representative

MEET THE TEAM



For more information visit  
**[vegetables.bayer.com](https://vegetables.bayer.com)**  
or contact your local representative

#### **Vegetable Seeds Customer Service**

Ph: 1800 364 846

Email: [vegetables.australia@bayer.com](mailto:vegetables.australia@bayer.com)

#### **Bayer Australia**

Head Office: Level 1, 8 Redfern Rd,

Hawthorn East VIC 3123

Phone: +61 3 9248 6888



All information concerning the varieties given orally or in writing by Bayer Australia Pty Ltd. or its employees or agents, including the information in this product guide, is given in good faith, but is not to be taken as a representation or warranty by Bayer Australia Pty Ltd. as to the performance or suitability of those varieties which may depend on local climatic conditions and other factors. Bayer Australia Pty Ltd. assumes no liability for any such information. This information shall not form part of any contract with Bayer Australia Pty Ltd. unless otherwise specified in writing.

Copyright © 2004–2022 Bayer Group. All rights reserved. Seminis and DeRuiter are registered trademarks of Bayer Group.

The terms and abbreviations used by Bayer Australia Pty Ltd to describe the reaction of plants obtained from the seeds to pests or pathogens and to abiotic stresses such as (High/standard resistance (HR), moderate/intermediate resistance (IR), Immunity, Susceptibility and Tolerance shall have the meaning given by the International Seed Federation and can be found on ISF website ( [www.worldseed.org](http://www.worldseed.org)).

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.