Tomato - High tech
Assortment 2019-2020
LOVE MY SALAD, AN INITIATIVE OF RUK ZWAAN, IS A CONSUMER PLATFORM THAT AIMS TO PUT VEGETABLES, LITERALLY AND FIGURATIVELY, ON THE MAP. WORKING WITH A LARGE NETWORK OF CHEFS, FOOD BLOGGERS, NUTRITION EXPERTS AND VEGETABLE GROWERS, WE INSPIRE CONSUMERS IN OVER 20 COUNTRIES TO EAT MORE VEGGIES.

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**Mini (<30g), truss harvest**
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Confetto RZ F1 | 9 - 12 g | 16
Papeletto RZ F1 | 45 - 50 g | 16

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Dometica RZ F1 | 70 - 80 g | 18
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<td>Roterno RZ F1</td>
<td>90 - 100 g</td>
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<td>Plumola RZ F1</td>
<td>90 - 100 g</td>
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<td>Senserno RZ F1</td>
<td>90 - 110 g</td>
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<td>Lyterno RZ F1</td>
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<td>Mecano RZ F1</td>
<td>110 - 120 g</td>
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<td>Daltoma RZ F1</td>
<td>100 - 125 g</td>
<td>20</td>
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<td>Sweeterno RZ F1</td>
<td>110 - 125 g</td>
<td>20</td>
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<td>Capricia RZ F1</td>
<td>110 - 125 g</td>
<td>20</td>
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<td>Forticia RZ F1</td>
<td>110 - 125 g</td>
<td>20</td>
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<td>Volicia RZ F1</td>
<td>110 - 125 g</td>
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<td>Multicia RZ F1</td>
<td>110 - 130 g</td>
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<td>Premezo RZ F1</td>
<td>120 - 135 g</td>
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<td>Tomicia RZ F1</td>
<td>130 - 140 g</td>
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<tr>
<td>Adventure RZ F1</td>
<td>140 - 160 g</td>
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<td>Trovanzo RZ F1</td>
<td>140 - 160 g</td>
<td>21</td>
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<tr>
<td>Endeavour RZ F1</td>
<td>140 - 160 g</td>
<td>22</td>
</tr>
<tr>
<td>Santiana RZ F1</td>
<td>140 - 170 g</td>
<td>22</td>
</tr>
<tr>
<td><strong>XL (&gt;160g), loose harvest</strong></td>
<td></td>
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<tr>
<td>Paulanca RZ F1</td>
<td>150 - 175 g</td>
<td>25</td>
</tr>
<tr>
<td>Kawaguchi RZ F1</td>
<td>160 - 190 g</td>
<td>25</td>
</tr>
<tr>
<td>Nakaumi RZ F1</td>
<td>180 - 220 g</td>
<td>25</td>
</tr>
<tr>
<td>Montenegro RZ F1</td>
<td>180 - 220 g</td>
<td>25</td>
</tr>
<tr>
<td>Rugantino RZ F1</td>
<td>250 - 280 g</td>
<td>25</td>
</tr>
<tr>
<td>Securitas RZ F1</td>
<td>260 - 270 g</td>
<td>25</td>
</tr>
<tr>
<td>Kivu RZ F1</td>
<td>260 - 280 g</td>
<td>26</td>
</tr>
<tr>
<td>Taymyr RZ F1</td>
<td>260 - 280 g</td>
<td>26</td>
</tr>
<tr>
<td><strong>Rootstock</strong></td>
<td></td>
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<tr>
<td>Bruce RZ F1</td>
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<td>28</td>
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<td>Emperor RZ F1</td>
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<td>28</td>
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<tr>
<td>Kaiser RZ F1</td>
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<td>28</td>
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<tr>
<td>Stallone RZ F1</td>
<td></td>
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<tr>
<td>Suzuka RZ F1</td>
<td></td>
<td>28</td>
</tr>
</tbody>
</table>

**Abbreviations and resistance definitions & disclaimer**

**Legend**

- High resistance
- Intermediate resistance
- Non-chemically treated
- Organic
- Sensational Flavours
- Sensational Snacks
- Cubelli, inspirational brand
- Silky Pink, inspirational brand
- Internal Red, variety trait
**Mini (<30 g), loose harvest**

**Maggino RZ F1**
- **Fruit weight**: 9 - 12 g
- **Shape**: Plum
- **Resistance**: ToMV:0-2/Fol:0/For
- **Features**: Yellow fruit with good taste. Strong shelf life and does not split easily. Perfect for medley products.

**Operino RZ F1**
- **Fruit weight**: 10 - 12 g
- **Shape**: Pear
- **Resistance**: ToMV:0-2/Fol:0/Va:0/Vd:0
- **Features**: Unique fruit shape and taste. Interesting two tone fruit colour.

**Solarino RZ F1**
- **Fruit weight**: 10 - 12 g
- **Shape**: Plum
- **Resistance**: ToMV:0-2/Fol:0,1 Sbl/Ma/Mi/Mj
- **Features**: High brix and great taste. Shiny, deep red fruits that do not split easily.

**Ternetto RZ F1**
- **Fruit weight**: 10 - 12 g
- **Shape**: Blocky
- **Resistance**: ToMV:0-2/Fol:0,1 Ma/Mi/Mj
- **Features**: Good production levels of blocky fruits with a dimple. Produces split trusses in good conditions. Good balance of production and taste.

**Florantino RZ F1**
- **Fruit weight**: 10 - 12 g
- **Shape**: Plum
- **Resistance**: ToMV:0-2/Fol:0-2/Va:0/Vd:0 Sbl/Ma/Mi/Mj
- **Features**: Great taste. Will produce double trusses in good conditions.
Mini (<30g), loose harvest

**Sassari RZ F1**
Fruit weight  14 - 16 g
Shape  Round
Resistance  ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si Ma/Mi/Mj
Features  Good taste and production balance. Will produce split trusses in good conditions.

**Daltary RZ F1**
Fruit weight  14 - 18 g
Shape  Round
Resistance  ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si Ma/Mi/Mj
Features  Good taste and production balance. Potential to reduce harvest costs due to larger fruit size.

**Farbini RZ F1**
Fruit weight  16 - 18 g
Shape  San Marzano
Resistance  ToMV:0-2/Fol:0/For Ma/Mi/Mj
Features  Orange-Yellow Mini San Marzano type. Produces long clusters of uniform fruit.

**Idolini RZ F1**
Fruit weight  16 - 18 g
Shape  San Marzano
Resistance  ToMV:0-2/Fol:0 Ma/Mi/Mj
Features  Red Mini San Marzano type with a good taste for the segment.
Mini (<30g), loose harvest medley

The Rijk Zwaan coloured mini plum selection has been specially developed with mixed colour retail products in mind. This is presented in the taste and shelf life performance of the varieties along with plants that can thrive in similar growing conditions.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Fruit weight</th>
<th>Shape</th>
<th>Resistance</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-018 RZ F1 (t)</td>
<td>10 - 15 g</td>
<td>Blocky</td>
<td>ToMV:0-2/Fol:0</td>
<td>A bright lemon yellow colour that is consistent all season with good taste and production.</td>
</tr>
<tr>
<td>72-019 RZ F1 (t)</td>
<td>10 - 13 g</td>
<td>Oval</td>
<td>ToMV:0-2/Fol:0/For Sbl/Ma/Mi/Mj</td>
<td>Strong orange colour with a very good yield potential and exceptional quality.</td>
</tr>
<tr>
<td>72-020 RZ F1 (t)</td>
<td>10 - 13 g</td>
<td>Oval</td>
<td>ToMV:0-2/Fol:0</td>
<td>Vibrant pink colour coupled with an impressive taste and good production.</td>
</tr>
<tr>
<td>72-021 RZ F1 (t)</td>
<td>9 - 11 g</td>
<td>Blocky</td>
<td>ToMV:0-2/Fol:0/2/Va:0 Mi/Mj</td>
<td>A green tomato with exceptional taste!</td>
</tr>
<tr>
<td>72-022 RZ F1 (t)</td>
<td>10 - 15 g</td>
<td>Blocky</td>
<td>ToMV:0-2/Fol:0</td>
<td>A deep brown fruit colour with a ruby tinge – the flavour is fantastic also.</td>
</tr>
<tr>
<td><strong>Mini (&lt;30g), truss harvest</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Reddery RZ F1</strong></td>
<td><strong>Caldino RZ F1</strong></td>
<td><strong>Tomary RZ F1</strong></td>
<td><strong>Genery RZ F1</strong></td>
<td><strong>Tastery RZ F1</strong></td>
</tr>
<tr>
<td>Fruit weight</td>
<td>11 - 20 g</td>
<td>13 - 16 g</td>
<td>15 - 20 g</td>
<td>15 - 20 g</td>
</tr>
<tr>
<td>Shape</td>
<td>Round</td>
<td>Oval</td>
<td>Round</td>
<td>Round</td>
</tr>
<tr>
<td>Resistance</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/Si</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/Si</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/Va:0/Vd:0</td>
<td>ToMV:0-2/Fol:0,1/Va:0/Vd:0/S</td>
</tr>
<tr>
<td>Features</td>
<td>Very good taste and production. Bright red fruit on an attractive truss. Can also be harvested as loose fruit. Firm and crunchy with good shelf life.</td>
<td>A very attractive small plum tomato presented on a uniform truss. The production and flavour are very good for the segment. An good, easy growing plant is an additional benefit.</td>
<td>Very good sweet flavour with a crunchy texture. Unique orange-red fruits. Good truss formation.</td>
<td>Deep red fruits with a good taste. Intermediate resistance to TYLC.</td>
</tr>
<tr>
<td>Variety</td>
<td>Fruit weight</td>
<td>Shape</td>
<td>Resistance</td>
<td>Features</td>
</tr>
<tr>
<td>------------------</td>
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<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Imperoso RZ F1</strong></td>
<td>25 - 30 g</td>
<td>Round</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0 On (ex Ol)/Ma/Mi/Mj</td>
<td>Small fruit on a nice, uniform truss. Sweet taste and produces many trusses.</td>
</tr>
<tr>
<td><strong>Wasino RZ F1</strong></td>
<td>35 - 40 g</td>
<td>Plum</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)/Ma/Mi/Mj</td>
<td>Split resistant plum shaped fruits. Good shelf life and fruit stays attached to the truss.</td>
</tr>
<tr>
<td><strong>Brioso RZ F1</strong></td>
<td>35 - 45 g</td>
<td>Round</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)</td>
<td>Really good production and taste. Deep red fruits on a perfect truss. Does not split easily.</td>
</tr>
<tr>
<td><strong>Vimoso RZ F1</strong></td>
<td>35 - 45 g</td>
<td>Round</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)</td>
<td>High production cocktail variety with long lasting truss quality.</td>
</tr>
<tr>
<td><strong>Primioso RZ F1</strong></td>
<td>35 - 45 g</td>
<td>Round</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)</td>
<td>Large fruit with nice red colour and good firmness. High production.</td>
</tr>
<tr>
<td><strong>Tatami RZ F1</strong></td>
<td>35 - 45 g</td>
<td>Round</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)/Ma/Mi/Mj</td>
<td>Deep pink fruit with a unique flavour. Good truss formation and shelf life.</td>
</tr>
</tbody>
</table>
Cocktail (30-60g), truss

Saluoso RZ F1

<table>
<thead>
<tr>
<th>Fruit weight</th>
<th>35 - 45 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shape</td>
<td>Round</td>
</tr>
<tr>
<td>Resistance</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)/Ma/Mi/Mj</td>
</tr>
<tr>
<td>Features</td>
<td>Larger fruit on long, flat trusses. High production and good fruit colour.</td>
</tr>
</tbody>
</table>
Special, Cubelli’s

**Confetto RZ F1**
- Fruit weight: 9 - 12 g
- Shape: Blocky
- Resistance: ToMV:0-2/Fol:0,1 / Sbl
- Features: Good taste and production balance. Resistant against fruit drop.

**Redetto RZ F1**
- Fruit weight: 17 - 22 g
- Shape: Blocky
- Resistance: ToMV:0-2/Fol:0 / Ma/Mi/Mj
- Features:

**Papeletto RZ F1**
- Fruit weight: 45 - 50 g
- Shape: Blocky
- Resistance: ToMV:0-2/Fol:0/For/Va:0/Vd:0/Si
- Features: Unique shape with a good, fresh taste. Ideal for cooking as it maintains structure well. Can be harvested both loose and on the vine.
**Large (60 - 160 g), loose**

<table>
<thead>
<tr>
<th><strong>Dometica RZ F1</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Fruit weight</strong></td>
<td>70 - 80 g</td>
</tr>
<tr>
<td><strong>Shape</strong></td>
<td>Round</td>
</tr>
<tr>
<td><strong>Resistance</strong></td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si TSWV/On (ex Ol)</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>Deep red fruit with exceptional taste and good shelf life. Consistent fruit size along the truss.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Livento RZ F1</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fruit weight</strong></td>
<td>95 - 105 g</td>
</tr>
<tr>
<td><strong>Shape</strong></td>
<td>Round</td>
</tr>
<tr>
<td><strong>Resistance</strong></td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>Impressive flavour profile and production combination. Very uniform fruit shape and size throughout the season.</td>
</tr>
</tbody>
</table>
**Plumola RZ F1**
- **Fruit weight**: 90 - 100 g
- **Shape**: Plum
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For:Vd:0/Si On (ex Ol)
- **Features**: Attractive deep red and uniform fruit with consistent ripening speed. Good production and excellent flavour. Does not get blossom end rot easily.

**Roterno RZ F1**
- **Fruit weight**: 90 - 100 g
- **Shape**: Round
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For:Vd:0/Si TSWV/On (ex Ol)/Ma/Mi/Mj
- **Features**: The benchmark for high taste truss tomatoes.

**Senserno RZ F1**
- **Fruit weight**: 90 - 110 g
- **Shape**: Round
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For:Vd:0/Si On (ex Ol)
- **Features**: Excellent taste and deep red internal colour. Responds well to a fast growing climate.

**Lyterno RZ F1**
- **Fruit weight**: 100 - 110 g
- **Segment**: Round
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For:Vd:0/Si On (ex Ol)
- **Features**: Nice round fruit with good taste. Truss is attractive with lasting quality. Begins production early. Premium tomato in German market.

**Mecano RZ F1**
- **Fruit weight**: 110 - 120 g
- **Shape**: Round
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For:Sbl/ Va:0/Vd:0/Si
- **Features**: Tried and tested variety in this segment. Good taste and fruit appearance.
### Large (60-160g), truss

#### Daltoma RZ F1
- **Fruit weight**: 100 - 125 g
- **Shape**: Round
- **Resistance**:
  - ToMV: 0-2/Ff:A-E/Fol: 0,1/For/Va: 0/Vd: 0
  - On (ex Ol)
- **Features**: Good taste, nice red fruits, beautiful trusses, early in production, suitable for Belgium segment Elite.

#### Sweeterno RZ F1
- **Fruit weight**: 110 - 125 g
- **Shape**: Round
- **Resistance**:
  - ToMV: 0-2/Ff:A-E/Fol: 0,1/For/Sbl/Va: 0/Vd: 0/Si
  - TSWV
- **Features**: A very uniform crop makes growing very easy. Deep red fruits of a consistent size and shape and very nice flavour are consistently produced.

#### Cappricia RZ F1
- **Fruit weight**: 110 - 125 g
- **Shape**: Round
- **Resistance**:
  - ToMV: 0-2/Ff:A-E/Fol: 0,1/For/Sbl/Va: 0/Vd: 0/Si
  - TSWV
- **Features**: High production of good quality fruits. Nice truss formation, does not split easily.

#### Forticia RZ F1
- **Fruit weight**: 110 - 125 g
- **Shape**: Round
- **Resistance**:
  - ToMV: 0-2/Ff:A-E/Fol: 0,1/For/Sbl/Si
  - On (ex Ol)
- **Features**: Very high production in this segment. Harvest begins early.

#### Volicia RZ F1
- **Fruit weight**: 110 - 125 g
- **Shape**: Round
- **Resistance**:
  - ToMV: 0-2/Ff:A-E/Fol: 0,1/For/Sbl/Si
  - On (ex Ol)
- **Features**: Nice, flat trusses, especially selected for Organic cultivation.
Large (60 - 160g), truss

**Multicia RZ F1**
- Fruit weight: 110 - 130 g
- Shape: Round
- Resistance: ToMV:0-2/Ff:A-E/Fol:0,1/For/Sbl/Va:0/Vd:0/Si
- TSWV/On (ex Ol)
- Feature: Flat round fruits of uniform size down the truss. Very high production and long lasting truss quality.

**Premezo RZ F1**
- Fruit weight: 120 - 135 g
- Shape: Round
- Resistance: ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0
- Feature: This generative crop produces very attractive, deep red and high round fruit with an additional benefit of Powdery Mildew Tolerance.

**Tomicia RZ F1**
- Fruit weight: 130 -140 g
- Shape: Round
- Resistance: ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si
- On (ex Ol)
- Feature: Flat round fruit presented on a nice truss. Excellent shelf life.

**Adventure RZ F1** (72-761)
- Fruit weight: 140 - 160 g
- Shape: Flat round
- Resistance: ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0
- On (ex Ol)
- Feature: A nice tasting large tomato set on an attractive truss with great shelf life. High yield potential in more challenging climates with the additional benefit of powdery mildew tolerance.

**Trovanzo RZ F1**
- Fruit weight: 140 - 160 g
- Shape: Round
- Resistance: ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0
- On (ex Ol)
- Feature: Large and shiny fruit and high production with mildew resistance.
### Endeavour RZ F1

<table>
<thead>
<tr>
<th>Fruit weight</th>
<th>140 - 160 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shape</td>
<td>High round</td>
</tr>
<tr>
<td>Resistance</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0</td>
</tr>
<tr>
<td>Features</td>
<td>Perfect balance of production and taste. Good shelf life and also suitable for slicing.</td>
</tr>
</tbody>
</table>

### Santiana RZ F1 (72-763)

<table>
<thead>
<tr>
<th>Fruit weight</th>
<th>140 - 170 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shape</td>
<td>Round</td>
</tr>
<tr>
<td>Resistance</td>
<td>ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si On (ex Ol)</td>
</tr>
<tr>
<td>Features</td>
<td>The large fruit weight and high truss number leads to a huge production potential. The shelf life and quality of the green parts is very impressive.</td>
</tr>
<tr>
<td>Variety</td>
<td>Fruit weight</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>Paulanca RZ F1</strong></td>
<td>150 - 175 g</td>
</tr>
<tr>
<td><strong>Kawaguchi RZ F1</strong></td>
<td>160-190 g</td>
</tr>
<tr>
<td><strong>Nakaumi RZ F1</strong></td>
<td>180-220 g</td>
</tr>
<tr>
<td><strong>Montenegro RZ F1</strong></td>
<td>180-220 g</td>
</tr>
<tr>
<td><strong>Rugantino RZ F1</strong></td>
<td>250 - 280 g</td>
</tr>
<tr>
<td><strong>Securitas RZ F1</strong></td>
<td>260 - 270 g</td>
</tr>
<tr>
<td>XL (&gt;160g), loose</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td></td>
</tr>
</tbody>
</table>

### Kivu RZ F1
- **Fruit weight**: 260 - 280 g
- **Shape**: flat round
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0
- **Resistance**: On (ex Ol)
- **Features**: A very consistent beef tomato with good production. Good setting ability so pruning is essential. High round fruit that is good for slicing.

### Taymyr RZ F1
- **Fruit weight**: 260 - 280 g
- **Shape**: flat round
- **Resistance**: ToMV:0-2/Ff:A-E/Fol:0,1/For/Si
- **Resistance**: On (ex Ol)
- **Features**: Large fruit with a round shape.
### Rootstock

**Bruce RZ F1**

**Resistance**
- ToMV: 0-2/Ff:B,D/Fol:0,1/For/Pl/Va:0/Vd:0

**Features**
- Vigorous rootstock that provides balanced strength.

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**Emperador RZ F1**

**Resistance**
- ToMV: 0-2/Fol:0,1/For/Pl/Va:0/Vd:0
  - Ma/Mi/Mj

**Features**
- A well balanced rootstock offering strength and control.

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**Kaiser RZ F1**

**Resistance**
- ToMV: 0-2/Fol:0,1/For/Pl/Va:0/Vd:0
  - Ma/Mi/Mj

**Features**
- A strong but generative rootstock. Aids early production.

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**Stallone RZ F1**

**Resistance**
- ToMV: 0-2/Ff:B,D/Fol:0,1/For/Pl/Va:0/Vd:0

**Features**
- High vigour and generative nature.

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**Suzuka RZ F1**

**Resistance**
- ToMV: 0-2/Fol:0,1/For/Pl/Va:0/Vd:0
  - Ma/Mi/Mj

**Features**
- Very strong and easy to manage rootstock which performs throughout the season.
1. Introduction
The relationship between a plant and a pest is very complex. The terms that describe the reaction of a plant variety to a pest are determined by tests under controlled environmental conditions with known and characterized biotypes, pathotypes, races or strains of the pest in question.

In practice however, the ability of a pest to cause disease in a plant depends on environmental conditions, the properties of the organism itself and the capacity of the plant to defend itself. Varieties within a plant species can differ in their ability to defend themselves. Under different conditions, such as age of the plant, pest pressure and virulence or adverse environmental conditions, the interaction between the same plant and pest may have different outcomes. Pests are known to develop and form new biotypes, pathotypes, races or strains that can cause damage to plants that remain unaffected by the original form of the pest. To promote consistency in the terms used to describe the reaction of a plant to a pest, ISF Vegetable and Ornamental Crops Section has defined the following terms.

2. Definitions
Susceptibility is the inability of a plant variety to restrict the growth and development of a specified pest.

Resistance is the ability of a plant variety to restrict the growth and development of a specified pest and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest pressure. Two levels of resistance are defined.

High resistance (HR*): plant varieties that highly restrict the growth and development of the specified pest under normal pest pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest pressure. Strains that may emerge are not covered by the original resistance claim.
Intermediate resistance (IR⁺): plant varieties that restrict the growth and development of the specified pest but may exhibit a greater range of symptoms or damage compared to high resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest pressure.

It is to be noted that if a resistance is claimed in a plant variety it is limited to the specified biotypes, pathotypes, races or strains of the pest. If no biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. New biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. New biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. New biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists.

Immunity is when a plant is not subject to attack or infection by a specified pest.

Disclaimer

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