A strong greenhouse chain

Every link in the active greenhouse chain places specific requirements on the product. These requirements particularly involve yield, sustainability, quality and flavor. Syngenta translates these wishes and requirements into innovative total solutions that strengthen your position in the chain.

Listening to the market

The intensive collaboration with a variety of parties in the chain provides Syngenta crop breeders with valuable information. They use this information to continually push the boundaries of innovation in crop varieties. The following are examples of characteristics that are examined during the selection process:

- cultivation and climatological conditions
- production potential
- limited energy needs and labor intensity
- shelf life
- resistance and sustainable cultivation systems

Syngenta offers greenhouse growers innovative solutions and sustainable yields by means of sophisticated combinations of varieties, growing methods and crop protection products.

Quality and health

Syngenta strives to offer the utmost quality in all of its products, from rootstock to varieties and from crop protection to consultancy. The company’s production techniques, quality standards and monitoring systems are all geared toward this goal.

Syngenta brings you better solutions

Syngenta is committed to working with customers to meet the individual needs of growers. By combining crop protection and seed technology capabilities, a robust research and development pipeline, and sharing knowledge through its global reach, Syngenta ensures that its growers receive accelerated, efficient, total crop solutions that help produce more from fewer resources. The broad product portfolio, world-class science and service options provided by Syngenta offer growers choices on the farm so that they meet their productivity potential.
Concerto
Concerto offers short harvesting wave periods resulting in earliness of production, top-quality fruit and extra flushes in the fall.

- Short growing days to enter early market, extra harvesting wave and stability of fruit size
- High marketable yields early and throughout the season
- Vigorous and balanced plant with regular setting and plant stability under summer stress

Superior greenhouse tomatoes

Sweetelle
- Good fruit quality throughout growing season
- Balanced tasting fruit to drive retail and grower demand
- Generative plant provides constant fruit setting
- Tall plants with balanced growth and minimal fruit drop
- High tolerance against micro-cracking
- Excellent flavor and shelf life

Bigdena
- Maintains fruit size and shape even under high temperature and light conditions
- Good fruit shelf life
- Very high-yielding, vigorous plant to maximize production

Clermon
- A four- to five-fruit cluster provides excellent yields of firm, round, deep red, flavorful fruit
- Open habit with semi-short internodes; grows well in high-radiation areas
- Powerful roots support leaf maintenance for consistent production cycle

High-quality peppers for active greenhouses

Fascinato
- Industry standard for fruit quality in North American greenhouses
- Early production of marketable fruit to capture higher prices
- Provides steady production of extra-large premium quality fruit through the season and to a strong finish
- Fruit with great shelf life; strong against pitting and micro-cracking; very desirable for retail market

Growdena
- Produces large fruit
- High yields of uniform, firm fruit
- Good fruit set in summer
- Vigorous, open plant keeps very good leaf length, even under stressful growing conditions

Arawak
- Large glossy fruit
- Traditional Italian “cuore di bue” type with a distinctive heart shape

Topanga
- Large fruit sizes with consistency and uniformity in production
- Firm, deep red fruit with excellent shelf life
- Consistent plant vigor with high tolerance to stress conditions
- Dark green cluster stem maintains fresh look and adds to the garden-fresh appearance
- High tolerance against micro-cracking

Orangela
This premium orange bell pepper is recognized by high-technology greenhouse growers for its outstanding fruit quality, high yields and deep orange color.

- Tasty and top-quality pepper with great trial results and excellent grower reviews
- Plant with medium vigor, easy setting variety with high-quality fruit

Waltz
- Strong plant power and very regular setting during stress conditions
- Early production of consistently marketable fruit
- Harvest wave period is shorter than commercial varieties creating an extra harvest window
- Consistent high fruit quality due to good shape and long shelf life
- Higher total yield due to extra setting and consistent plant load
Quality cucumbers for the field and greenhouse

Bomber
Bomber produces superior yields of medium-sized cucumbers for high-light growing periods. It is heat tolerant and has high resistance to powdery mildew and key viruses, plus horizontal resistance to CGMMV.

- High production of medium-sized, long, straight fruit primarily in the 30.5 to 35.6 cm (12- to 14-inch) range
- Very attractive fruit with dark green color, smooth skin and good ribbing throughout crop
- Very successful for active greenhouse production, and a strong performer in both umbrella and high-wire cropping systems

- A great choice for warmer production times
- Works well for lit crops
- High pack-outs of medium-sized fruit
- Fruits are large with straight quality
- Fantastic color and ribbing
- Multiple, high quality fruit on lateral branches

Monroe
- Generative plant that flowers and sets easily
- Consistent fruit throughout the fall and winter growing seasons
- Excellent color and ribbing
- Pure yellow cucumber with straight quality
- Lower production risks during high heat and humidity when powdery mildew is more problematic

Technical data: cucumber

<table>
<thead>
<tr>
<th>Variety</th>
<th>Culture</th>
<th>Approximate days to maturity</th>
<th>Plant characteristics</th>
<th>Segment</th>
<th>Average fruit length (cm)</th>
<th>Disease resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bomber</td>
<td>Active greenhouse</td>
<td>38-40</td>
<td>Vigorous; generative</td>
<td>High light / High heat</td>
<td>30.5 to 35.6 (12 to 14 in)</td>
<td>IR: CMV / CVYV / PM</td>
</tr>
<tr>
<td>Monroe</td>
<td>Active greenhouse</td>
<td>50-60</td>
<td>Generative; open plant</td>
<td>Low light</td>
<td>32 to 36 (12.6 to 14.2 in)</td>
<td>IR: Cca / Cru / IR: Gc / Ps</td>
</tr>
</tbody>
</table>

Technical data: tomato

<table>
<thead>
<tr>
<th>Variety</th>
<th>Culture</th>
<th>Fruit shape, longitudinal section</th>
<th>Fruit type</th>
<th>Approximate size</th>
<th>Fruit characteristics</th>
<th>Disease resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEEF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bigdiana</td>
<td>Active greenhouse</td>
<td>Flattened Beef</td>
<td>Large to extra-large</td>
<td>Firm, extra large beef with good uniformity and shelf life</td>
<td>IR: Fruit: A-E / Fol: 0-1 / US1-2 / For / TMV: 0-1 / ToMV: 0-2 / V</td>
<td></td>
</tr>
<tr>
<td>Grovedana</td>
<td>Active greenhouse</td>
<td>Circular Beef</td>
<td>Large to extra-large</td>
<td>Large beef with firm uniform fruit and good shelf life</td>
<td>IR: Fruit: A-E / Fol: 0-1 / US1-2 / For / TMV: 0-1 / ToMV: 0-2 / V</td>
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</tr>
</tbody>
</table>

Technical data: pepper

<table>
<thead>
<tr>
<th>Variety</th>
<th>Plant characteristics</th>
<th>Fruit characteristics</th>
<th>Fruit color</th>
<th>Approximate size at trial</th>
<th>Disease resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>BELL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concerto</td>
<td>Vigorous plant; regular setting</td>
<td>Uniform blocky shape; consistent size</td>
<td>Red</td>
<td>Large to extra-large</td>
<td>HR: Tr: 0-3</td>
</tr>
<tr>
<td>Fascinato</td>
<td>Strong, vigorous plant</td>
<td>Smooth blocky shape; excellent quality</td>
<td>Red</td>
<td>Large to extra-large</td>
<td>HR: Tr: 0-3</td>
</tr>
<tr>
<td>Orangela</td>
<td>Easy setting, long internodes</td>
<td>Uniform fruit shape with excellent color</td>
<td>Orange</td>
<td></td>
<td>HR: Tr: 0-2</td>
</tr>
<tr>
<td>Waltz</td>
<td>Strong, vigorous plant</td>
<td>Uniform blocky shape; excellent color</td>
<td>Red</td>
<td>Large to extra-large</td>
<td>HR: Tr: 0-3</td>
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</tbody>
</table>

Disease abbreviation key

<table>
<thead>
<tr>
<th>Coa</th>
<th>Cuc</th>
<th>Cuca</th>
<th>GGMV</th>
<th>Coa</th>
<th>Cuca</th>
<th>GGMV</th>
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</thead>
<tbody>
<tr>
<td>Csa</td>
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<tr>
<td>Conspicuous leaf spot caused by</td>
<td>Conspicuous casticole</td>
<td>Scale and gummy spot caused by</td>
<td>Cucumber green mottle mosaic virus</td>
<td>GGMV</td>
<td>Cucumber mosaic virus</td>
<td>Powdery mildew</td>
</tr>
<tr>
<td>CMV</td>
<td>CVYV</td>
<td>Gc</td>
<td>CMMV</td>
<td>PM</td>
<td>Pm</td>
<td>Ps</td>
</tr>
<tr>
<td>Cucumber mosaic virus</td>
<td>Powdery mildew caused by</td>
<td>Cucumber vein yellowing virus</td>
<td>Powdery mildew caused by</td>
<td>High resistance</td>
<td>Intermediate resistance</td>
<td></td>
</tr>
<tr>
<td>(ex Gvpv)</td>
<td>(ex Gyv)</td>
<td>(ex Gvc)</td>
<td>(ex Gvc)</td>
<td>(ex Gvc)</td>
<td>(ex Gvc)</td>
<td>(ex Gvc)</td>
</tr>
</tbody>
</table>

Pathogen races are indicated to the right of the abbreviation in parentheses [example: F:1(1):3(2)]. Fusarium wilt caused by the specified race of Fusarium oxysporum f. sp. lycopersici. In cases where specific races or strains are not noted, the variety is resistant to some, but not necessarily all known races or strains of the pathogen. For complete disease resistance information, please visit [ROGERSDiseaseCodes.com](http://ROGERSDiseaseCodes.com).
For more information, contact your local Syngenta representative, seed dealer or the Syngenta Customer Center at 1-866-SYNGENT(A) (796-4368)

www.FarmAssist.com