Processing Tomato

United Genetics Italia S.p.A.
PRESTOMECH

• Square / Round very early hybrid, 93 days from transplant.
• Good cover plant, medium vigor, resistant to defoliation thanks to “Rain Tolerant” gene.
• Square/round fruits 60-70 g, Jointless.
• Good color and good average Brix 5,5°.
• The strengths of PRESTOMECH are: earliness, plant health, high Brix.

BRIXSOL

• Early Hybrid, 97 days from transplant, with very good early vigor.
• Very high adaptability to most different environmental condition.
• “Rain Tolerant” and high package of disease resistances including Tsw virus.
• Square round fruits, good size (65-70 g), uniform and good thick walls.
• Bright red color due also to mid-high Lycopene content.
• Mid Brix 5,0-5,4°.
• BRIXSOL, among the early Hybrids, is one of the most reliable for growers and factories.

CORCORAN

• It is a second early hybrid, 97 – 98 days from transplant.
• Mid vigor plant, compact with good cover.
• Oval fruits, average 70-75 g, Jointless.
  High Brix, average over 5,5°.
• Good viscosity and good color (minimum 2,3 GD).
• It is a “Multi Use” hybrid.
• Importance of the Tsw tolerance for all areas where this disease is present.

HR*/IR*: V Fol0-1 N Pst TSWV – Jointless/Art.
**UG 11227**

- Mid-early hybrid: 98-100 days.
- High productivity potential plant. Good vigor and cover, very good healthy appearance thanks to its intermediate resistance to Late Blight (Phytophthora Infestans).
- Good size round fruits (70-75 g).
- Very high brix and color.
- Suggested also for mid-late transplant, thanks to its various resistances.

HR*/IR*: V Fol₀₁ N Pi.

**UG 21511**

- Early-cycle hybrid: 97-98 days.
- Compact plant, excellent productivity.
- Basically round fruits, big size (75-85 g). High firmness and very good thickness of the pulp.
- High red color, both outside and inside.
- Brix is always very high.
- Excellent industrial yield for dice and juice production, since the beginning of the harvest season.

HR*/IR*: V Fol₀₁ N Pst TSWV.

**UG 812 J**

- Mid-Early Hybrid, 98-100 days, with mid vigor compact plant.
- Oval – Sq/Rd firm fruits average weight 65-70 g, Jointless.
- Very good overall quality, good Brix 5.4-5.6° and color.
- Excellent field storage.
- One of the most reliable and overall quality hybrids in the processing tomato “scenario”.
- A typical multipurpose hybrid. Actually a guarantee.

HR*/IR*: V Fol₀₁ N Pst.
UG 8168

- Early Hybrid, 98-100 days, with strong plant, good cover and short internodes.
- This hybrid is one of the most productive in all the tomato industry panorama.
- Good size fruits (75-85 g), with super thick walls.
- Excellent field storage.
- Good color (2,2 GD) and Brix (5,4 - 5,6°) over the average.
- Very important multipurpose hybrid. Suggested also for early and mid-early transplant.

HR*/IR*: V Fol0-1 N Pst.

RUSTICO

- Early Hybrid (95-97 days from transplanting).
- Medium vigor compact plant, short internodes, good cover.
- Square / Round fruits.
  Average weight 65-70 g.
- Good Brix and viscosity.
- Deep red color (2,2 – 2,3 GD).
- For dice and juice production. Expressly bred for “crushing” tomato.

HR*/IR*: V Fol0-1 N Pst TSWV.

LUSITANO

- Mid-early hybrid, 97-100 days.
- Medium vigor compact plant, good cover.
- Oval fruits (75-85 g), excellent thick wall.
  Very good color, ideal “multi use” hybrid.
- Brix over the average.
- LUSITANO is excellent for industrial processing dice and juice.

HR*/IR*: V Fol0-1 N Pst.
UG 124

- UG 124 is a mid-early hybrid, 98 days, with the “Field Storage” and “High pigment” gene.
- Good vigor plant, very good cover and rusticity with high productivity potential, thanks also to a very high disease package.
- Square fruits (70-75 g), good thickness and color.
- Very good brix (5.4-5.8°).
- Very firm fruits with high overripening resistance due to the “Field Storage” gene.
- Also for mid late transplant.

HR*/IR*: V Fol₀⁻¹ N Pst Aal TSWV – Jointless.

UG 15212

- Mid-cycle hybrid: 100-103 days.
- Good vigor plant, rustic with good adaptability to different soils. High potential yield.
- Round-oval fruits, average weight 70-80 g.
- High firmness, excellent color and medium brix (5,1°-5,2°).
- UG 15212 is one the hybrids with the highest viscosity on the market.

HR*/IR*: V Fol₀⁻¹ N Pst TSWV – Jointless.

PREMIUM 2000

- PREMIUM 2000 is a mid-early hybrid, 100 days, carrying “High Pigment” and “Rain Tolerant” gene.
- Compact plant, rustic, with homogenous development and good green leaves cover. High fertility and high final production.
- Average weight: 65 – 70 g.
- Mid level brix.
- Round fruits with “High Pigment”. Good cover plant “Rain Tolerant”, good overripening and Alternaria tolerance, make Premium 2000 one of the highest quality dicers in the market.

HR*/IR*: V Fol₀⁻¹ N Pst Aal.

UG 124

- UG 124 is a mid-early hybrid, 98 days, with the “Field Storage” and “High pigment” gene.
- Good vigor plant, very good cover and rusticity with high productivity potential, thanks also to a very high disease package.
- Square fruits (70-75 g), good thickness and color.
- Very good brix (5.4-5.8°).
- Very firm fruits with high overripening resistance due to the “Field Storage” gene.
- Also for mid late transplant.

HR*/IR*: V Fol₀⁻¹ N Pst Aal TSWV – Jointless.

UG 15212

- Mid-cycle hybrid: 100-103 days.
- Good vigor plant, rustic with good adaptability to different soils. High potential yield.
- Round-oval fruits, average weight 70-80 g.
- High firmness, excellent color and medium brix (5,1°-5,2°).
- UG 15212 is one the hybrids with the highest viscosity on the market.

HR*/IR*: V Fol₀⁻¹ N Pst TSWV – Jointless.
UG 5202

- Mid season hybrid, 100 days, with high color thanks to the “Crimson” gene.
- Strong plant with good leaves coverage.
- Good size fruits, (80-85 g), with high thick wall, with an high dicing coefficient.
- UG 5202 has proven very high firmness also under unfavorable weather conditions.
- Good color and brix with good fruit firmness classify UG 5202 as a “Global Quality” hybrid.

HR*/IR*: V Fol₀,₁ N Pst – Jointless.

**VISCOMECH**

- Mid-season hybrid: 100-103 days.
- Very high viscosity fruits.
- Medium vigor, rustic plant that guarantees a very good adaptability to different soils, and a high potential yield.
- Average weight: 80 – 85 g.
- VISCOMECH is a guarantee for industrial processing dice and juice, thanks to its medium brix (5,2°-5,4°), good color and high viscosity.

HR*/IR*: V Fol₀,₁ N Pst TSWV – Jointless.

UG 3002

- UG 3002 is a medium maturity hybrid: 98 days.
- Main features of this hybrid are: very high fruit setting, good firmness and good overall quality in terms of color and Brix.
- Very good tolerance to overripe.
- Suggested for medium and late transplant because of “Rain Tolerant”.
- Fruits size: 60-65 g.

HR*/IR*: V Fol₀,₁ N Aal – Jointless.
UG 16112

• Mid-season hybrid with “EFS” Extended Field Storage (105 days).
• Vigorous plant, with good cover and good healthy appearance. Jointless.
• Fruits average weight 70-80 g.
• Very good color uniformity. High Brix (5.2°-5.3°).
• Thanks to its “EFS” character, UG 16112 is one of the most reliable hybrid for mid and late harvest.

HR*/IR*: V Fol₀₁, N Pst TSWV – Jointless.

UG 19806

• Mid-season hybrid (100-103 days) with “EFS” Extended Field Storage.
• Its vigorous and rust-resistant plant allows a very high fruit setting under most environmental conditions.
• Fruits average weight 80-90 g.
• High color, good Brix (5.5°-5.6°) and medium viscosity make UG 19806 a “multi-use” hybrid.
• Thanks to its “EFS” character, it is ideal for mid-late harvest, assuring a high resistance to overripening and a very good, uniform ripening.

HR*/IR*: V Fol₀₁, N Pst - Jointless.

UNO ROSSO

• UNO ROSSO, one of the most reliable hybrids on the market.
• Mid-Early ripening: 96 days. Super plant with short internodes.
• High productivity in all weather conditions, also under rain. Late transplants are strongly suggested.
• Square / round fruits, average weight 60-65 g, bright red color and firm.
• A” multi use” hybrid.

HR*/IR*: V Fol₀₁, Aal – Jointless.
LYCOMECH

- Hybrid with superior characteristic: “High Lycopene” in addition to “EFS” Extended Field Storage gene.
- Mid-season maturity: 105 days.
- Square/round fruits. Average weight 75-80 g.
- Incredible resistance to overripe.
- Super color: 2.4 GD and very high lycopene content: 280-300 mg/kg.
- Average Brix 5.3-5.4°.
- LYCOMECH is a new important opportunity for special production of dice and juice or to increase the average color of the processed product.
- Excellent flavor.

HR*/IR*: V Fol0,1 N Pst – Jointless.

LYCOSTAR

- Mid-cycle hybrid with “High Lycopene” genetics (100-103 days).
- Medium vigor plant, characterized by “EFS” Extended Field Storage genetics.
- Round fruits, average weight: 70-80 g.
- Very high brix and extremely high Lycopene.
- LYCOSTAR provides a high PLV, combining good brix with high production.

HR*/IR*: V Fol0,1 N Pst – Jointless.

LYKOBOL

- Hybrid with superior characteristics: “High Lycopene” in addition to “EFS” Extended Field Storage.
- Maturity: 100 days.
- Round fruits. Average weight 75-80 g.
- High thick walls with a very intense red color due to super “High Lycopene”. Color 2.5 GD.
- Very firm fruits and exceptional extended field storage.
- LYKOBOL is also a new important opportunity for special production: dice and juice or to increase the overall color of the processed product.

HR*/IR*: V Fol0,1 N Pst – Jointless.

NEMABRIX 2000

- Mid-early maturity: 98-100 days.
- High vigor plant but compact. Very good leaves persistence with consequent good cover.
- High productivity.
- Large size fruits: 80-85 g. High thick walls.
- Good color: 200-210 mg/kg and in general very good overall quality.
- Very good brix also: 5.6-5.8°.
- NEMABRIX 2000 has been evaluated one of the best “Multipurpose” hybrids. It is suggested for main-season and late harvest.

HR*/IR*: V Fol0,1 N Pst TSWV – Jointless.
UG 822

- UG 822, the hybrid for the typical Italian peel style tomato.
- Uniform ripening, mechanical harvesting.
- Compact plant, short internodes and good cover: no sun-burn fruits.
- Mostly appreciated for fruits uniformity, indispensable for production of small size packing.
- Fruits average weight, 70-80 g, deep red color, high peelability.
- High fruit setting also under high temperature.
- Mid-early ripening: 97 days.

HR*/IR*: V Fol0-1 N Pst Rs.

SUPERPEEL

- Early hybrid 95 days for peeling.
  Uniform ripening, J2, for mechanical harvesting.
- Compact plant, good rusticity, thanks also to TSWV.
- Good fruit setting at high temperature.
- Firm fruits, deep red color, average weight 65 – 70 g, easypeel and bright red color, ideal for Italian market and small packing.
- Good Brix.
- Can be used for any other industrial processing.

HR*/IR*: V Fol0-1 N TSWV.

MASSARO

- Mid-early hybrid: 98 days. Uniform cylindrical fruits, for processing peeled tomato but also for fresh market and “sun-dried” tomato.
- Good vigor plant, uniform ripening, capable of very high productivity.
- Long slim fruits, cylindrical, average weight 85-90 g, uniform, very good color at full maturity.
- Firm fruits, not overripening.
- MASSARO is an hybrid with high potential for mechanical harvesting.

HR*/IR*: V Fol0-1 N Pst TSWV.
CALROMA

- CALROMA the universal peel tomato.
- Very uniform fruits, with “Easypeel” gene.
- Very good pulpy fruits. This hybrid can be use not only for peeling, but also for all other industrial purposes.
- Uniform ripening, the fruits are “Jointless” and can be mechanical harvested.
- Average weight: 80-90 g.
- Mid vigor plant. Also used for mechanical harvest. Mid-early ripening: 102 days.
HR*/IR*: V Fol0-1 N Pst – Jointless.

WASCO

- Maturity: 100 days.
- Classic dual purpose tomato, fresh and processing.
- Mid vigor plant. High set.
- Big size fruits, over 100 g, deep red color.
- Very pulpy ideal for sun-dry tomato.
- Fruits can be used for all kind of processing also.
HR*/IR*: V Fol0-1 N Pst TSWV.

DURPEEL

- Super hybrid, Mid-season ripening: 102 days. Dual purpose, fresh market and processing.
- Plant has a very healthy overlook aspect, due also among the others to powdery mildew resistances.
- Big size fruits, (100-130 g, sometimes also 150 g), deep red color.
- Uniform ripening, can be also mechanically harvested. For peel tomato also, especially for big packing.
- Very pulpy fruits and firmness enable to obtain a high productivity in the “sun-dry” tomato and also in the fresh market consumption.
HR*/IR*: V Fol0-1 N Pst Lt TSWV.
## HYBRID PROCESSING TOMATO

<table>
<thead>
<tr>
<th>HYBRID</th>
<th>MATURITY</th>
<th>PLANT</th>
<th>AVERAGE WEIGHT (g)</th>
<th>HR* / IR*</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESTOMECH</td>
<td>93 days</td>
<td>Compact</td>
<td>60-70, J2</td>
<td>V Fol0; N Pst</td>
<td>Rain tolerant.</td>
</tr>
<tr>
<td>RED CANNER</td>
<td>95-97</td>
<td>Mid -Strong</td>
<td>65-70</td>
<td>V Fol0; N Pst TSWV</td>
<td>Cold and rain tolerant.</td>
</tr>
<tr>
<td>BRIXSOL</td>
<td>97</td>
<td>Strong</td>
<td>65-70, J2, Art</td>
<td>V Fol0; N Pst TSWV</td>
<td>Cold and rain tolerant.</td>
</tr>
<tr>
<td>RUSTICO</td>
<td>95-97</td>
<td>Mid Vigor</td>
<td>65-70</td>
<td>V Fol0; N Pst TSWV</td>
<td>For “crushing” tomato.</td>
</tr>
<tr>
<td>UG 21511</td>
<td>97-100</td>
<td>Mid Vigor</td>
<td>75-85</td>
<td>V Fol0; N Pst TSWV</td>
<td>Multi use hybrid.</td>
</tr>
<tr>
<td>UG 11227</td>
<td>98-100</td>
<td>Mid vigor</td>
<td>70-75</td>
<td>V Fol0; N Pi</td>
<td>Resistance (IR) to Late Blight (Phytophthora Infestans).</td>
</tr>
<tr>
<td>CORCORAN</td>
<td>97-98</td>
<td>Mid vigor</td>
<td>70-75, J2</td>
<td>V Fol0; N Pst TSWV</td>
<td>Very high quality.</td>
</tr>
<tr>
<td>UG 8168</td>
<td>98-100</td>
<td>Strong</td>
<td>75-85</td>
<td>V Fol0; N Pst</td>
<td>Super production, high Bx.</td>
</tr>
<tr>
<td>HYPACK</td>
<td>98-100</td>
<td>Mid -Strong</td>
<td>75-80</td>
<td>V Fol0; N Pst</td>
<td>High quality Hybrid.</td>
</tr>
<tr>
<td>UG 812 J</td>
<td>98-100</td>
<td>Mid Vigor</td>
<td>65-70, J2</td>
<td>V Fol0; N Pst</td>
<td>Top quality hybrid.</td>
</tr>
<tr>
<td>UG EARLY</td>
<td>100</td>
<td>Rustic</td>
<td>60-70</td>
<td>V Fol0; N Pst</td>
<td>All season tomato.</td>
</tr>
<tr>
<td>LUSITANO</td>
<td>97-100</td>
<td>Mid plant</td>
<td>75-85</td>
<td>V Fol0; N Pst</td>
<td>A real jolly hybrid.</td>
</tr>
<tr>
<td>UG 15212</td>
<td>100-103</td>
<td>Mid-Strong</td>
<td>70-80, J2</td>
<td>V Fol0; N Pst TSWV</td>
<td>Very high viscosity.</td>
</tr>
<tr>
<td>UG 19806</td>
<td>100-103</td>
<td>Mid-Strong</td>
<td>80-90</td>
<td>V Fol0; N Pst</td>
<td>“EFS” Extended Field Storage. Uniform ripening, multipurpose.</td>
</tr>
<tr>
<td>UG 124</td>
<td>98</td>
<td>Super plant</td>
<td>70-75, J2</td>
<td>V Fol0; N Pst Aal TSWV</td>
<td>Field storage, high pigment. “EFS”.</td>
</tr>
<tr>
<td>UG 5202</td>
<td>100</td>
<td>Strong</td>
<td>80-85, J2</td>
<td>V Fol0; N Pst</td>
<td>Global quality hybrid. “EFS”.</td>
</tr>
<tr>
<td>PREMIUM 2000</td>
<td>100</td>
<td>Compact</td>
<td>65-70</td>
<td>V Fol0; N Pst Aal</td>
<td>Rain tolerant, high pigment.</td>
</tr>
<tr>
<td>UG 3002</td>
<td>98</td>
<td>Strong</td>
<td>60-65</td>
<td>V Fol0; N Aal</td>
<td>Rain tolerant.</td>
</tr>
<tr>
<td>UNO ROSSO</td>
<td>96</td>
<td>Strong</td>
<td>60-65, J2</td>
<td>V Fol0; N Aal</td>
<td>Rain tolerant.</td>
</tr>
<tr>
<td>UG 16112</td>
<td>105</td>
<td>Strong</td>
<td>70-80, J2</td>
<td>V Fol0; N Pst TSWV</td>
<td>Rustic plant, high setting. “EFS”.</td>
</tr>
<tr>
<td>VISCOMECH</td>
<td>100-103</td>
<td>Mid-Vigor</td>
<td>80-85</td>
<td>V Fol0; N Pst TSWV</td>
<td>Very high viscosity. Actually one of the highest in the market.</td>
</tr>
<tr>
<td>UG 18806</td>
<td>105</td>
<td>High vigor</td>
<td>80, J2</td>
<td>V Fol0; N Pst</td>
<td>“EFS”, very high viscosity.</td>
</tr>
<tr>
<td>LYCOMECH</td>
<td>105</td>
<td>Strong</td>
<td>75-80, J2</td>
<td>V Fol0; N Pst</td>
<td>High lyc, “EFS”.</td>
</tr>
<tr>
<td>LYKOBOL</td>
<td>100</td>
<td>Strong</td>
<td>75-80</td>
<td>V Fol0; N Pst</td>
<td>High lyc, “EFS”.</td>
</tr>
<tr>
<td>NEMABRIX 2000</td>
<td>98-100</td>
<td>Strong</td>
<td>80-85, J2</td>
<td>V Fol0; N Pst TSWV</td>
<td>High Bx, multipurpose.</td>
</tr>
<tr>
<td>LYCOSTAR</td>
<td>100</td>
<td>Mid Vigor</td>
<td>70-80</td>
<td>V Fol0; N Pst</td>
<td>High lyc, rain tolerant. “EFS”.</td>
</tr>
<tr>
<td>YELLOW RIVER</td>
<td>100-103</td>
<td>Mid Vigor</td>
<td>70-80</td>
<td>V Fol0; N Pst</td>
<td>Yellow color.</td>
</tr>
</tbody>
</table>
### HYBRIDS LONG SHAPE

<table>
<thead>
<tr>
<th>HYBRID</th>
<th>MATURITY</th>
<th>PLANT</th>
<th>AVERAGE WEIGHT (g)</th>
<th>HR*/IR*</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMOPEEL</td>
<td>95</td>
<td>Mid-compact</td>
<td>80</td>
<td>V Foli, N Pst Rs</td>
<td>Earliness, production, uniform for mechanical harvest.</td>
</tr>
<tr>
<td>UG 822</td>
<td>97</td>
<td>Compact</td>
<td>70-80</td>
<td>V Foli, N Pst Rs</td>
<td>Whole peel high quality.</td>
</tr>
<tr>
<td>CALROMA</td>
<td>102</td>
<td>Uniform</td>
<td>80-90, J2</td>
<td>V Foli, N Pst</td>
<td>For late harvest.</td>
</tr>
<tr>
<td>MASSARO</td>
<td>98</td>
<td>Good vigor</td>
<td>85-90</td>
<td>V Foli, N Pst TSWV</td>
<td>Super productive.</td>
</tr>
<tr>
<td>SUPERPEEL</td>
<td>95</td>
<td>Compact</td>
<td>65-70, J2</td>
<td>V Foli, N Pst TSWV</td>
<td>High quality, whole peel.</td>
</tr>
<tr>
<td>WASCO</td>
<td>100</td>
<td>Mid vigor</td>
<td>100-110</td>
<td>V Foli, N Pst TSWV</td>
<td>Dual purpose, fresh-sundry.</td>
</tr>
<tr>
<td>DURPEEL</td>
<td>102</td>
<td>Healthy, compact</td>
<td>100-130</td>
<td>V Foli, N Pst Lt TSWV</td>
<td>Superproduction, all purpose.</td>
</tr>
</tbody>
</table>

### DISEASE LEGENDA

- **Aal**: Alternaria alternata f.sp. Lycopersici – Alternaria alternata
- **Fol**: Fusarium oxysporum f.sp. lycopersici – Fusarium wilt
- **Lt**: Leveillula taurica – Powdery mildew
- **N**: Meloidogine incognita, Meloidogine arenaria, Meloidogine javanica – Nematodes
- **Pi**: Phytophthora infestans - Late Blight
- **Pst**: Pseudomonas syringae pv. Tomato – Bacterial spot
- **Rs**:Ralstonia solanacearum – Bacterial wilt
- **TSWV**: Tomato spotted wilt virus
- **V**: Verticillium dahliae, Verticillium albo-atrum – Verticillium

**Definition of resistance**

- **Resistance** (HR*): varieties capable of reducing disease incidence and severity, compared to susceptible varieties. Resistance is the inability of a plant variety to restrict the growth and development of a specified pest.
- **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. 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 pressure.
- **Susceptibility**: is the inability of a plant variety to restrict the growth and development of a specified pest.

**Definition of resistance in French**

- **Résistance** (HR*): variétés végétales capables de restreindre fortement la croissance et le développement d’un certain parasite ou pathogène e/ou le dégât qu’ils occasionnent, en comparaison avec des variétés sensibles dans les mêmes conditions environnementales et de pression infectieuse du parasite ou du pathogène. Les variétés résistantes peuvent, cependant, exprimer des symptômes de la maladie ou des dommages sous la forte pression des parasites ou des pathogènes.

**Remarques**

Les informations contenues dans cette publication ne sont qu’un résumé des résultats de nombreux tests effectués avec le plus grand soin par United Genetics, dans les conditions pédoclimatiques et culturelles les plus diversifiées. Les descriptions et les cycles végétatifs sont présentés à titre indicatif seulement, ne peut pas être considérée comme exhaustive et n’impliquent aucune garantie. Résultats et comportements qui diffèrent de ce qui est indiqué peuvent dépendre de plusieurs raisons: pédoclimatique, culturelle ou autre nature, non attribuables à United Genetics.