



UNITED GENETICS ITALIA S.p.A.

TOMATO PROCESSING



UG 161 12



PRESTOMECH

**EARLYNESS,
HOLDING IN THE FIELD,
RAIN TOLERANT**

- Square / Round very early hybrid, 93 days from transplant.
- Good cover plant, medium vigor, resistant to defoliation thank to "Rain Tolerant" gene.
- Square/round fruits 60-65 g, Jointless.
- Good color and good average Brix 5,5°.
- The strengths of PRESTOMECH are: earliness, resistance to overripening, high Brix.

HR: VaVd, Fol0-1

IR: Pst, MaMIMj



UG 8114

**EXCELLENT QUALITY IN EARLY
AND LATE TRANSPLANT**

- New early season hybrid.
- Mid vigor plant, compact with good cover and short internodes.
- Square/round fruits. Average weight 70-80 g. Very firm.
- Good brix and deep color.
- Suggested for early trasplant but also in late season thanks to good resistance to overripening.

HR: VaVd, Fol0-1

IR: Pst, MaMIMj, TSWV

NEW

UG 849 14

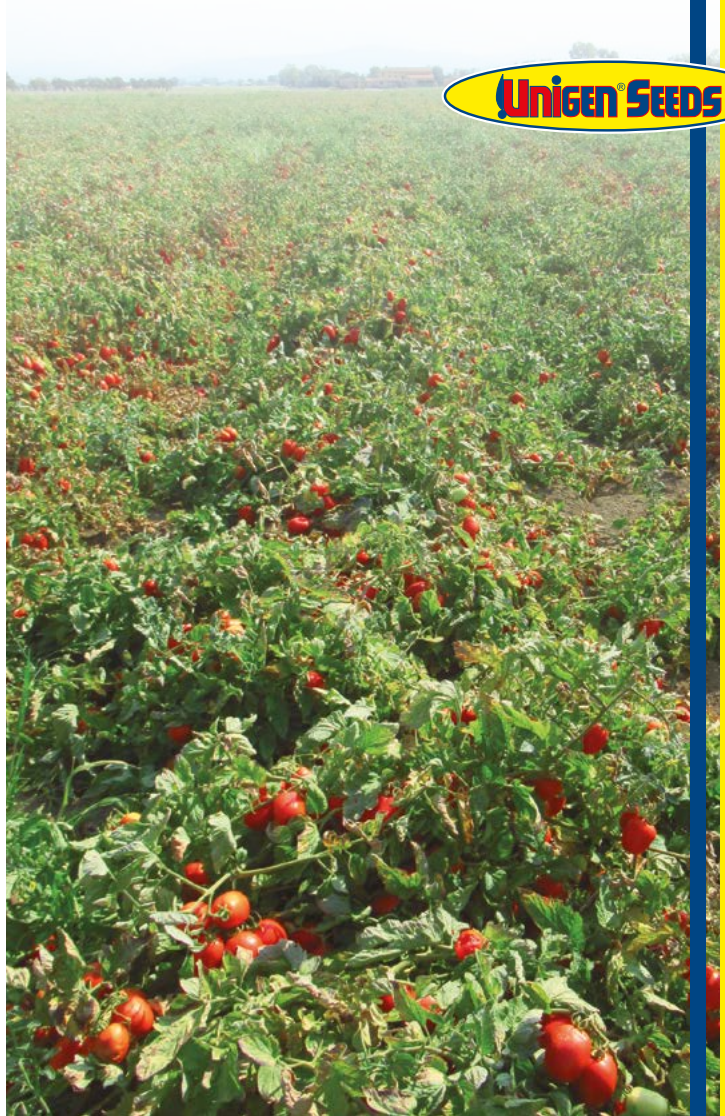
RUSTICITY, HEALTHY AND PRODUCTION

- New mid season hybrid.
- Mid vigor plant, usually very healthy.
- High production plant under most environmental conditions.
- Oval/square fruits with good thick wall.
- Average weight: 70-75 g.
- Super color and high level of lycopene due to the "High Pigment" gene.
- Brix always high.
- Excellent resistance to overripening.

HR: VaVd, Fol0-1

IR: Pst, MaMiMj

**HIGH
PIGMENT**



UG 124

ADAPTABILITY AND FIELD STORAGE

- 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.
- Very firm fruits with high overripening resistance.
- Also for mid late transplant.

HR: VaVd, Fol0-1, Aal

IR: Pst, MaMiMj, TSWV

**HIGH
PIGMENT**

UG 13577

HEALTHY, SIZE AND BRIX

- Mid-early season hybrid (98-102 days).
- Mid vigor plant, compact with good excellent productivity.
- Round fruits. Average weight 70-80 g.
- Very good overall quality, good Brix and color.
- Suggested also for mid-late transplant thanks to its various resistences.

HR: **VaVd, Fol₀₋₁**

IR: **MaMiMj, Pi**

NEW

**RESISTANT (IR)
LATE BLIGHT**



UG 11239

HEALTHY AND ADAPTABILITY TO ALL ENVIRONMENTAL CONDITION

- Mid-early hybrid (98-100 days).
- Good vigor plant, rustic with good adaptability to different soils.
- Basically round fruits. Average weight 65-75 g.
- Excellent color, good firmness and Brix.
- A "multi use" hybrid.
- Also for organic cultivation.

HR: **VaVd, Fol₀₋₁**

IR: **MaMiMj, Pi**

**RESISTANT (IR)
LATE BLIGHT**

UG 11227

ALWAYS HEALTHY

- Early hybrid: 96-98 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 (60-70 g).
- Very high brix and color.
- Suggested also for mid-late transplant, thanks to its various resistances.

HR: VaVd, Fol0-1

IR: MaMIMj, Pi



**RESISTANT (IR)
LATE BLIGHT**



UG 161 12

THE FIRMEST IN THE MARKET EXCELLENT INDUSTRIAL PERFORMANCE

- Mid-season hybrid with "EFS" *Extended Field Storage* (105 days).
- Vigorous plant, with good cover and good healthy appearance. Jointless.
- Fruits average weight 75-85 g.
- Very good color uniformity. High Brix.
- Thanks to its "EFS" character, UG 16112 is one of the most reliable hybrid for mid and late harvest.

HR: VaVd, Fol0-1

IR: Pst, MaMIMj, TSWV

E.F.S.





UG 140 14

PRODUCTIVE AND RELIABLE

- Mid season hybrid suitable also for late season harvest.
- Medium vigor, good cover and very high yield.
- Very uniform square-oval fruits. Deep red color, thick flesh. Average weight 60-70 g.
- High brix (over 5°)
- Very firm fruits with high overripening

HR: VaVd, Fol0-1

IR: Pst, MaMiMj, TSWV

E.F.S.

UG 152 12

QUALITY WITH EXCELLENT FIRMNESS

- 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.
- UG 15212 is one the hybrids with the highest viscosity on the market.

HR: VaVd, Fol0-1

IR: Pst, MaMiMj, TSWV

E.F.S.



UG 298

RUSTICITY WITH HIGH QUALITY

- Mid season hybrid.
- Mid vigor plant, rustic, very productive.
- Round/oval fruits. Average weight 65-70 g.
- High overripening resistance due to the "Field Storage" gene.
- Brix always very high.
- UG 29814 is able to grow in the areas where the Fusarium race 3 is present.

HR: VaVd, Fol0-2

IR: Pst, MaMiMj, TSWV

E.F.S.





LYCOMECH

- Hybrid with superior characteristic: **"High Lycopene"**
- 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: VaVd, Fol0-1
IR: Pst, MaMiMj

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: VaVd, Fol0-1
IR: Pst, MaMiMj



NEMABRIX 2000

- Mid maturity: 100-103 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 mainseason and late harvest.

HR: VaVd, Fol0-1
IR: Pst, MaMiMj, TSWV

CALMARZANO 2000



- Long fruit shape Hybrid, for Canning and Fresh Market.
- Mid-Early ripening.
- Mid vigor plant with good cover and concentrated setting.
- Mid-Large size fruit: 100-110gr average. Good firmness.
- Deep red color outside and inside.

HR: **VaVd, Fol0-1**

IR: **Pst, MaMiMJ, 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**



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: **VaVd, Fol0-1**

IR: **Pst, MaMiMj, TSWV**

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: **VaVd, Fol0-1**

IR: **Pst, MaMiMj, 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: **VaVd, Fol0-1**

IR: **Pst, MaMiMj, Lt TSWV**

HYBRIDS SQUARE/ROUND

HYBRID	MATURITY	PLANT	AVERAGE WEIGHT (g)	HR*/IR*	REMARKS
PRESTOMECH	93 days	Compact	60-65, J2	V Fol ₀₋₁ N Pst	Earliness, resistance to overripening, high Brix.
UG 8114	95-97	Compact	70-80	V Fol ₀₋₁ N Pst TSWW	Earliness, high Brix.
RUSTICO	95-97	Mid-vigor	65-70	V Fol ₀₋₁ N Pst TSWW	For "crushing" tomato.
UG 11227	96-98	Mid-vigor	60-70	V Fol ₀₋₁ N Pi	Resistance (IR) to Late Blight (Phytophthora Infestans) .
UG 11239	98-100	Mid-vigor	70-75	V Fol ₀₋₁ N Pi	Resistance (IR) to Late Blight (Phytophthora Infestans) .
UG 8168	98-100	Strong	75-85	V Fol ₀₋₁ N Pst	Super production, high Bx.
UG 812 J	98-100	Mid-vigor	70-75, J2	V Fol ₀₋₁ N Pst	Top quality hybrid.
UG 298	98-100	Mid-vigor	65-70	V Fol ₀₋₂ N Pst TSWW	Good production. Brix very high. "Field Storage".
UG 849 14	98-100	Mid-vigor	70-75	V Fol ₀₋₁ N Pst	Good production. Brix very high. "Field Storage".
UG 152 12	100-103	Mid-strong	70-80, J2	V Fol ₀₋₁ N Pst TSWW	Very high viscosity. "Field Storage".
UG 4014	98-100	Mid-vigor	75-80	V Fol ₀₋₁ N Pst TSWW	Super color. High brix. "Field Storage".
UG 13577	98-102	Mid-vigor	70-80	V Fol ₀₋₁ N Pst Pi	Resistance (IR) to Late Blight (Phytophthora Infestans) .
UG 140 14	98-102	Mid-vigor	60-70	V Fol ₀₋₁ N Pst TSWW	Super production also for late season harvest.
UG 124	98	Super plant	70-75, J2	V Fol ₀₋₁ N Pst Aal TSWW	Field storage, high pigment. "EFS".
UNO ROSSO	96	Strong	60-65, J2	V Fol ₀₋₁ N Aal	Rain tolerant.
UG 161 12	100-105	Mid-vigor	75-85, J2	V Fol ₀₋₁ N Pst TSWW	Very high viscosity. Actually one of the highest in the market.
LYGOMECH	100	Strong	75-80, J2	V Fol ₀₋₁ N Pst	High lyco, "EFS".
LYKOBOL	100-103	Strong	75-80	V Fol ₀₋₁ N Pst	High lyco, "EFS".
NEMABRIX 2000	100	Strong	80-85, J2	V Fol ₀₋₁ N Pst TSWW	High lyco, multipurpose.
YELLOW RIVER	100-103	Mid-vigor	70-80	V Fol ₀₋₁ N Pst	Yellow color.

HYBRIDS LONG SHAPE

PRIMOPEEL	95	Mid-compact	80	V Fol ₀₋₁ N Pst Rs	Earliness, production, uniform for mechanical harvest.
CALMARZANO 2000	100	Mid-vigor	100-110	V Fol ₀₋₁ N Pst TSWW	Dual purpose, fresh-sundry.
MASSARO	98	Good vigor	85-90	V Fol ₀₋₁ N Pst TSWW	Super productive. For processing peeled tomato.
SUPERPEEL	95	Compact	65-70, J2	V Fol ₀₋₁ N Pst TSWW	High quality, whole peel.
WASCO	100	Mid-vigor	100-110	V Fol ₀₋₁ N Pst TSWW	Dual purpose, fresh-sundry.
DURPELL	102	Healthy, compact	100-130	V Fol ₀₋₁ N Pst Lt TSWW	Superproduction, all purpose.

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 (Mi), Meloidogine arenaria (Ma), Meloidogine javanica (Mj) - Nematodes
Pi	Phytophthora infestans - Late Blight
Pst	Pseudomonas syringae pv. Tomato - Bacterial spot
TSWV	Tomato spotted wilt virus
V	Verticillium dahliae (Vd), Verticillium albo-atrum (Va) - Verticillium

ISF: International Seed Federation

Definitions:

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.
- **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.
- **Susceptibility:** is the inability of a plant variety to restrict the growth and development of a specified pest.

Remarks:

The information contained in this publication is the result of numerous trials and tests conducted with the greatest care by United Genetics under different culture and pedoclimatic conditions. Descriptions and vegetative cycles here mentioned are for information only and cannot be considered exhaustive and do not imply any guarantee. Results or different behaviors different from what is here mentioned can be caused by different reasons: pedoclimatic, cultural or by any other nature not dependent on United Genetics.



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