Unigen® Seeds

United Genetics Italia s.p.A.

TOMATO
PROCESSING

True to nature, the flavor of KAGOME

PRESTOMECH

EARLYNESS, HOLDING AND RAIN TOLERANT

- Square / Round very early hybrid, 95-98 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, Fol$_{0-1}$**
IR: **Pst, MaMiMj**

UG 8114

EXCELLENT QUALITY IN EARLY AND LATE TRANSPLANT

- New early ripening hybrid, 100 days from transplant.
- 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, Fol$_{0-1}$**
IR: **Pst, MaMiMj, TSWV**

NEW

UG 124

QUALITY, ADAPTABILITY AND HEAT TOLERANCE

- UG 124 is a mid-early hybrid, 105-108 days, with the "Field Storage" and "High pigment" gene.
- Good vigor plant, very good cover, rusticity and heat tolerance, with high productivity potential, thanks also to a very high disease resistance package.
- Square fruits (70-75 g), good thickness and color.
- Very good brix.
- Very firm fruits with high overripening resistance.
- Suitable also for mid late transplant.

HR: **VaVd, Fol$_{0-1}$, Aal**
IR: **Pst, MaMiMj,** TSWV

HIGH PIGMENT

UG 140 14

PRODUCTIVE AND RELIABLE

- Mid season 110 days 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 resistance.

HR: **VaVd, Fol$_{0-1}$**
IR: **Pst, MaMiMj,** TSWV

NEW

UG 13577

HEALTHY, SIZE AND BRIX

RESISTANT (IR) LATE BLIGHT

- Early hybrid (95-100 days).
- Mid vigor plant, compact but good cover, with good productivity.
- Square / round fruits. Average weight 70-75 g.
- Very good overall quality, good Brix and color.
- Suggested also for mid-late transplant thanks to Pi resistance.
- For organic cultivation also.

HR: **VaVd, Fol$_{0-1}$**
IR: **MaMiMj,** Pi

NEW

UG 11239

HEALTHY AND ADAPTABILITY TO ALL ENVIRONMENTAL CONDITION

- Mid-early hybrid (100-105 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, Fol$_{0-1}$**
IR: **MaMiMj,** Pi

RESISTANT (IR) LATE BLIGHT

UG 11227

ALWAYS HEALTHY

- Early hybrid: 100 days.
- High productivity potential. Good vigor and cover, very good healthy appearace thanks to its strong resistance to **Late Blight.** The best for organic crop.
- Good size round fruits (65-70 g).
- Good high brix and color.
- Suggested also for mid-late transplant, thanks to Pi resistances.

HR: **VaVd, Fol$_{0-1}$**
IR: **MaMiMj,** Pi

RESISTANT (IR) LATE BLIGHT

UG 1578

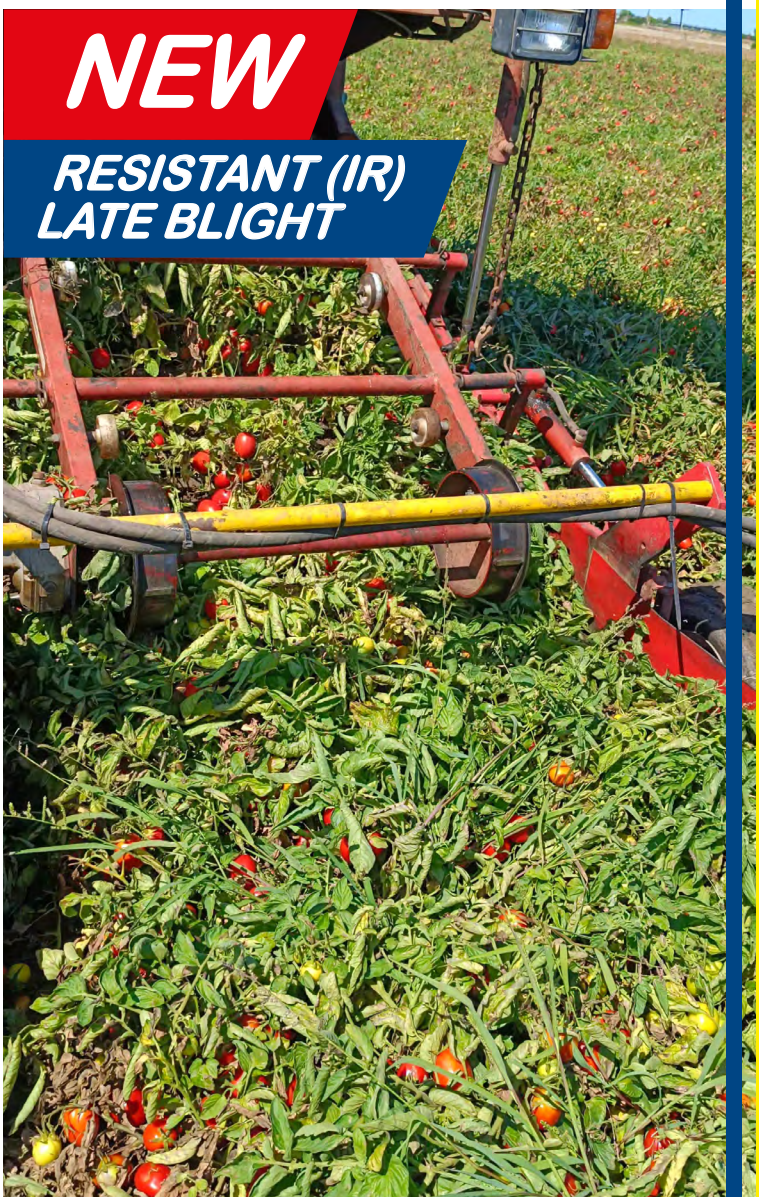
HIGH PERFORMANCE

- Mid season maturity. 115 days.
- Good vigor plant well structured.
- Late Blight Resistant.
- 75-80 g. fruits, J2 and very firm.
- Good color and Bx, Thick walls and mid viscosity, make UG 1578 a multipurpose hybrid.
- Suggested for early transplant but also for late harvest.

HR: **VaVd, Fol$_{0-1}$**
IR: **MaMiMj,** Pi

NEW

RESISTANT (IR) LATE BLIGHT



UG 161 12

THE FIRMEST IN THE MARKET, EXCELLENT INDUSTRIAL PERFORMANCE, SUPER DICER

- Full season hybrid with "EFS" (Extended Field Storage) (115 days).
- Vigorous plant, with good cover and good healthy appearance. Jointless.
- Fruits average weight 75-85 g. Unique firmness.
- Very good color, Brix and very high viscosity. Very thick walls, a superlative dicer.
- Thanks to its "EFS" character, UG 16112 is one of the most reliable hybrid for mid and late harvest.

HR: **VaVd, Fol$_{0-1}$**
IR: **Pst, MaMiMj, TSWV**

UG 152 12

QUALITY WITH EXCELLENT FIRMNESS

- Mid-cycle hybrid: 110-115 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 in the market.

HR: **VaVd, Fol$_{0-1}$**
IR: **Pst, MaMiMj, TSWV**

NEW

HYBRIDS F3 RESISTANT

UG 8492

UNIQUE HYBRID FOR QUALITY AND PERFORMANCE

- Hybrid mid-early 105 days.
- High pigment.
- The F3 Resistance enable a good vigor plant, healthy & good cover.
- 75-80 g. Fruits with thick walls.
- Very good Brix in all conditions.

HR: **VaVd, F3**
IR: **Pst, MaMiMj, TSWV**

UG 298 14

RUSTICITY WITH HIGH QUALITY

- Mid season. 115 days cycle.
- Good vigor plant. F3 Resistant, enable a good potential productivity.
- Sq / Rd fruits. 75 g. and more.
- Very firm fruits, high viscosity
- High Brix and color.
- F3 Resistance enable good performance also in poor soils

HR: **VaVd, F3**
IR: **Pst, MaMiMj, TSWV**

NEW

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 licopene 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, Fol$_{0-1}$**
IR: **Pst, MaMiMj**

LYKOBOL

- Hybrid with superior characteristics: "High Lycopene" in addition to "EFS" Extended Field Storage.
- Maturity: 110 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, Fol$_{0-1}$**
IR: **Pst, MaMiMj**

NEMABRIX 2000

- Mid maturity: 105-110 days.
- High vigor plant but compact. Very good leaves persistance with consequent good cover.
- High productivity. Large size fruits: 80-85 g with thick walls, make Nemabrix 2000 a good dicer.
- Good color due to Lycopene content, 200-210 mg/kg and in general very good overall quality. Very good brix also: 5,4-5,6°.
- NEMABRIX 2000 has been evaluated one of the best "Multipurpose" hybrids. It is suggested for mainseason and late harvest.

HR: **VaVd, Fol$_{0-1}$**
IR: **Pst, MaMiMj, TSWV**

WASCO

- Maturity: 105 – 110 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, Fol$_{0-1}$**
IR: **Pst, MaMiMj, TSWV**

MASSARO

- Mid-early hybrid: 105 days. Uniform cylindrical fruits, uniform ripening, for whole peeled tomato but also for fresh market and "sun-dried" tomato.
- Good vigor plant, 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: **VaVd, Fol$_{0-1}$**
IR: **Pst, MaMiMj, TSWV**

DURPEEL

- Super hybrid, Mid-early ripening: 105 days. Dual purpose, fresh market and processing.
- Plant has a very healthy overlook aspect, due also among the others to powdery mildew (Lt) 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, Fol$_{0-1}$**
IR: **Pst, MaMiMj, Lt TSWV**

LATE BLIGHT AND F3

UG 2320

SUPER SET HEALTHY PLANT

- Classic pear shape. 65-75 g. Suitable for small can packing. Jointless.
- Early ripening 105 days.
- Good development plant with good production potential thanks to F3.
- Healthy plant thanks to **Late blight** resistance. Suitable also for late harvest.
- Uniform fruits with good color and firmness.

HR: **VaVd, F3**
IR: **Pst, MaMiMj, TSWV, Pi**

NEW

RESISTANT (IR) LATE BLIGHT

HYBRIDS SQUARE/ROUND

HYBRID	MATURITY	PLANT	AVERAGE WEIGHT (g)	HR*/IR*	REMARKS
PRESTOMECH	95-98 days	Compact	60-65, J2	V Fol_{0-1} N Pst	Earliness, resistance to overripening, high Brix.
UG 8114	100	Compact	70-80	V Fol_{0-1} N Pst TSWV	Earliness, high Brix.
UG 8492	105	Mid-vigor	75-80	V F3 N Pst TSWV	Big size fruits. High color and brix. Healty plant.
UG 11227	100	Mid-vigor	65-70	V Fol_{0-1} N Pi	Resistance (IR) to **Late Blight (Phytophthora Infestans).**
UG 11239	100-105	Mid-vigor	65-75	V Fol_{0-1} N Pi	Resistance (IR) to **Late Blight (Phytophthora Infestans).**
UG 8168	100	Strong	75-85	V Fol_{0-1} N Pst	Super production, high Brix. Very reliable.
UG 812 J	100	Mid-vigor	70-75,J2	V Fol_{0-1} N Pst	Top quality hybrid. Easy to grow.
UG 298 14	115	Mid-vigor	65-70	V F3 N Pst TSWV	Good production. High brix. "Field Storage".
UG 1578	115	Mid-vigor	75-80	V Fol_{0-1} N Pst TSWV Pi	Good color, high brix. Resistance (IR) to **Late Blight (Phytophthora Infestans).**
UG 152 12	110-115	Mid-strong	70-80,J2	V Fol_{0-1} N Pst TSWV	Very firm. Very high viscosity. "Field Storage".
UG 4014	98-100	Mid-vigor	75-80	V Fol_{0-1} N Pst TSWV	Super color. High brix. "Field Storage".
UG 13577	95-100	Mid-vigor	70-80	V Fol_{0-1} N Pst Pi	Good quality. Resistance (IR) to **Late Blight (Phytophthora Infestans).**
UG 140 14	110	Mid-vigor	60-70	V Fol_{0-1} N Pst TSWV	Super production, also for late season harvest.
UG 124	105-108	Super plant	70-75,J2	V Fol_{0-1} N Pst Aal TSWV	Field storage, high pigment. "EFS". Eat tolerant.
UNO ROSSO	100	Strong	60-65,J2	V Fol_{0-1} N Aal	Rain tolerant.
UG 161 12	110-115	Mid-vigor	75-85,J2	V Fol_{0-1} N Pst TSWV	Very high viscosity. Actually one of the highest in the market.
LYCOMECH	105	Strong	75-80,J2	V Fol_{0-1} N Pst	High lyco, "EFS".
LYKOBOL	105-110	Strong	75-80	V Fol_{0-1} N Pst	High lyco, "EFS".
NEMABRIX 2000	100-105	Strong	80-85,J2	V Fol_{0-1} N Pst TSWV	High lyco, multipurpose.
YELLOW RIVER	100-105	Mid-vigor	70-80	V Fol_{0-1} N Pst	Yellow color.

HYBRIDS LONG SHAPE

SUPERPEEL	95	Mid-compact	70-75	V Fol_{0-1} N Pst Rs	Earliness, production, uniform for mechanical harvest.
UG 2320	100	Mid-vigor	65-75	V F3 N Pst TSWV Pi	Classic whole peel. Healty plant.
MASSARO	105	Good vigor	85-90	V Fol_{0-1} N Pst TSWV	Super productive. For whole peeled tomato.
WASCO	100	Mid-vigor	100-110	V Fol_{0-1} N Pst TSWV	Dual purpose, fresh and sun-dry.
DURPEEL	102	Healthy, compact	100-130	V Fol_{0-1} N Pst Lt TSWV	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 spe-cified 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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