



TOBRFV & Taste

Securing resistance, Relishing flavour

Gautier
SEMENCES

Gautier

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Creativity drives us forward

Offering the finest of nature: Gautier's vision for the future

Environmental and social issues have a direct effect on food chains and agricultural practices. We must constantly reinvent ourselves to feed the world alongside farmers, while meeting consumers' ever-growing expectations.

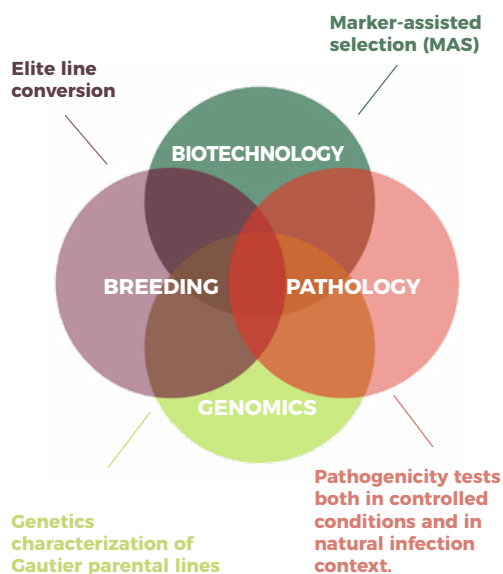


Through a rigorous approach, Gautier provide innovative solutions to sustainable agriculture's challenges and support farmers with healthy, safe and efficient seeds every day. Thanks to our imaginative abilities, we are proud to contribute, daily, to the renewal of vegetable farming varieties, with the ambition of offering everyone the finest of nature: health, pleasure and responsibility.

A constant commitment to R&D to counter ToBRFV

A MULTIDISCIPLINARY EXPERTISE

At Gautier Semences, we have cultivated a robust multidisciplinary expertise by bringing together specialists in biotechnology, pathology, genomics, and breeding, including Ph.D. scientists with expertise in genetics and fruit quality. This synergy of technologies and skills enables us to develop resilient varieties that combine genetic quality with taste excellence.



A CONTINUOUS FLOW OF IMPROVEMENT ON RESISTANCES

We maintain an ongoing research program to offer resistant varieties that provide reliable solutions. This work on the Tomato Brown Rugose Fruit Virus (ToBRFV) is part of a larger resistance breeding program, in which our teams strive every day to provide answers to constantly evolving pathogen threats. An essential issue to ensure the long-term success of our varieties.



Genotyping Laboratory - Gautier Semences



Frédéric Moquet,
Research Manager

"Collaboration between our Research and Breeding teams is essential. Our experts in biotechnology, pathology, genomics and breeding are joining forces to meet the challenge of ToBRFV as well as a number of other constantly evolving pathogens. The significant investments in resources and tools reflect our commitment to remaining at the cutting edge of technology. These efforts are motivated by our ambition: to remain a key player, combining genetic and taste excellence in the creation of resistant varieties."

CONFIRMED POSITIVE RESULTS

All our varieties are tested under controlled laboratory conditions. In addition, we conduct numerous field trials in the different production areas in France but also in Northern and Southern Europe, Maghreb, Americas and even Asia, and in various growing conditions: high-tech, in soil under cold and heated shelter. This allows us to confirm the agronomic relevance of our varieties against the virus.

Without compromising on Taste

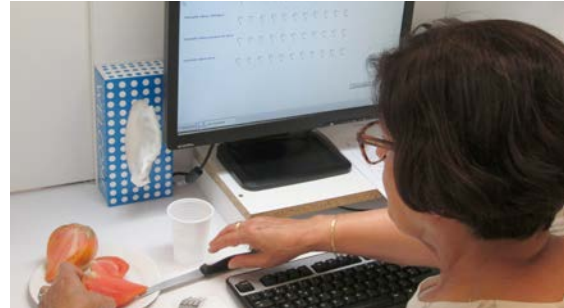
PRESERVED TASTE QUALITIES

The introduction of resistances does not deviate from our unwavering commitment to taste quality.

We rigorously monitor more than thirty volatile organic compounds that play a significant role in the taste of tomatoes.

To analyze the volatile composition of our new varieties, we use cutting-edge tools such as the gas chromatography mass spectrometer (GC-MS) which allows us to obtain an identity card of their aromatic profile.

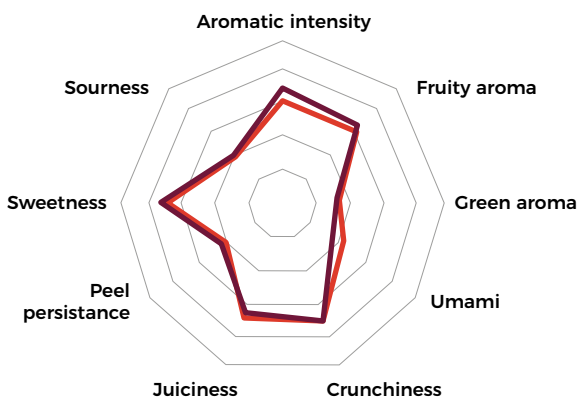
Our Research and Breeding teams ensure that our ToBRFV resistant varieties are identical to the aromatic profiles of the varieties favored by consumers.



Consumer panel - Terra'Senso

To ensure the taste quality of our products throughout our breeding process, we carry out systematic analyzes with panels of sensory experts and consumer studies in the UK and Europe.

Collaborations with accredited institutes such as CTIFL, Terra'Senso, Wageningen University & Research and Cambridge Market Research allow us to strengthen our sensory studies and expand our results.



— ToBRFV resistant Gautier variety
— Premium Gautier variety



As a key player in the premium segment, our mission towards our producer partners is clear: to meet the ambitious double challenge of resistance and taste to provide maximum safety in cultivation while retaining the taste qualities of the varieties that make them successful among consumers.

The ToBRFV & Taste label opposite will allow you to identify the varieties in our range which meet this double criterion: resistance and taste quality.





For more information on our ToBRFV varieties, contact our experts:



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