

IORI

beautiful fruit – unique tast

Research Group Fruit Breeding

Research Division Plant Breeding, Agroscope, Switzerland; www.agroscope.ch

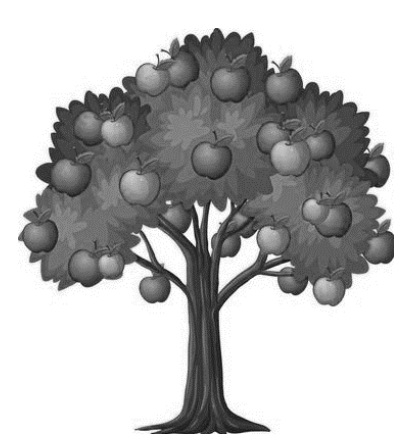
Topaz x Fuji

Origin: Agroscope, Switzerland



Fruit

- Medium-sized, conical, yellow green ground color with a high proportion of striped-marbled red over color
- Firm, very juicy, crunchy, with an intensely sweet and fresh taste



Tree

- Moderate vigor, well-developed lateral branching, good stability, slightly drooping branches, pay attention the renewal of fruiting wood
- Good yields, pay attention to flower and fruit thinning
- Healthy, dark green leaf canopy
- Rootstock M9 recommended, G11 under evaluation



Flowering

- Flowering time approx. in line with «Gala»
- Diploid, tested pollinators: «Bonita», «Gala», «Wurtwinning» (Bloss®), «WA 38» (Cosmic Crisp®)



Resistance and Susceptibility

- *Rvi6* scab resistance (*Vf*), low susceptibility to powdery mildew
- No particular susceptibility to other diseases has been observed so far



Harvest and Storage

- Ripens at around the same time as «Braeburn»
- Initial storage trials show no particular susceptibility; current recommendation: CA 1°C until May, unproblematic



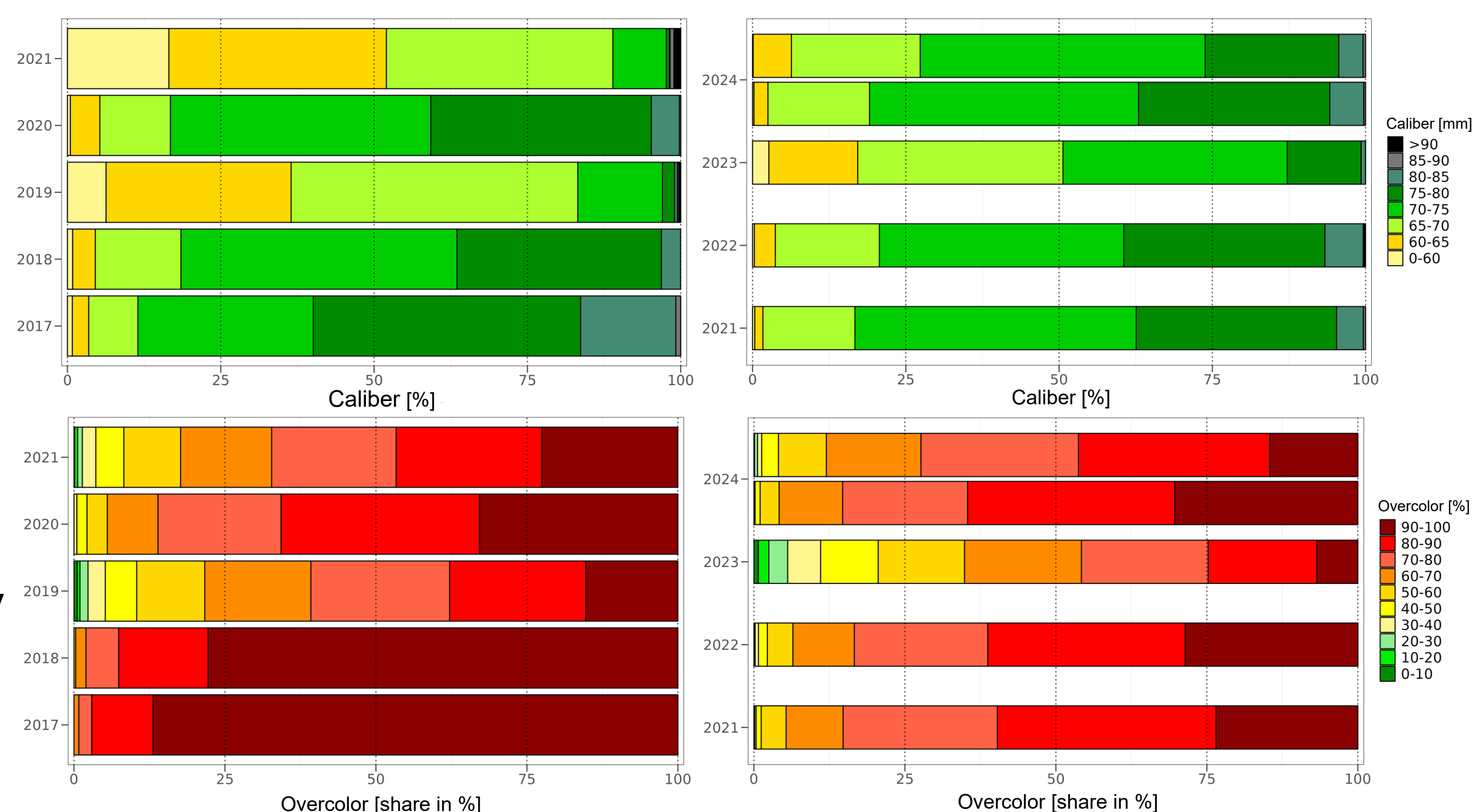
Experience and Marketing

- Variety testing in Switzerland and abroad since 2014
- On farm trials in Switzerland since 2021
- CH and EU plant variety rights, available as a free variety



Table Harvest date, sugar and acidity content, firmness measured with Pimprenelle and starch degradation measured with Amilon on fruits of stage C (50 trees, located in Güttingen (CH), planted in 2020, G11 rootstock).

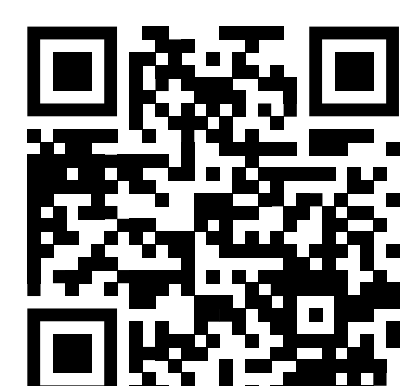
Year	Harvest date	Sugar [°Brix]	Acidity [g/L]	Firmness [kg/cm ²]	Starch index [Scale 1-10]
2021	22.10	11.00	6.75	9.09	6.96
2022	10.10	13.57	7.05	8.42	5.43
2023	20.10	NA	7.00	8.47	4.80
2024	14.10	12.45	7.35	8.17	6.82



Graphic Overcolor and caliber (in %) of level B (left, 15 trees, location Waedenswil, year of planting 2016, rootstock M9) and level C (right, 50 trees, location Guettingen, year of planting 2020, rootstock G11).



Varicom



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