

# Cherry season



**TOP PLANT**  
FRUIT TREE NURSERY 

# Cherry season



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

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**Rootstocks** Gisela 5® | Gisela6® | Gisela12® | Gisela13®  
Gisela17® | MaxMa60® | Colt  
P. mahaleb SL 64 | Franco (P. avium) | Cab 6P

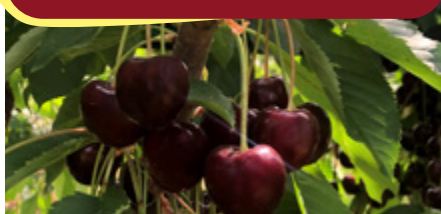
● Self-fertile

## Sweet Gabriel® PA3UNIBO\*



High vigor, very early bearing and high productivity  
Self-incompatible (S3S4)  
Harvest: Burlat + 11–14 days  
Very large, heart-shaped fruit with glossy dark-red skin  
Firm, sweet flesh with good flavor  
Medium susceptibility to cracking.  
**Pollinizers:** Sweet Aryana, Sweet Lorenz, Sweet Valina, Sweet Saretta, Marysa

## HENRIETTE®



Tree: vigorous, well branched and with excellent renewal capacity  
Bloom: late  
Productivity: high and regular, with a long harvest window  
Fruit: oval to heart-shaped, with glossy red-to-black skin and a relatively large stone  
Firmness: very good. Size: 29–32 mm, 11–15 g  
Flavor: good, with very juicy, sweet flesh; balanced and aromatic, with a touch of acidity  
Storability: very good  
**Pollinizers:** Canada Giant, Summit, Carmen, Inizio Korvik, Regina, Kordia, HI  
**Incompatible with:** Vanda and Emma

## ROYAL HELEN (C.O.V.)



Firmness: high (Durofel 25: 65–75)  
Sugars: 14 °Brix. Acidity: 13–15 meq/100 ml  
Cracking tolerance: medium  
Season: early; Sweetheart® timing  
Pollination: self-fertile  
Alleles: S1 S4'  
Growth habit: upright  
Vigor: high  
Productivity: high  
Bearing onset: very rapid.

## Sweet Saretta® PA5UNIBO\*



High vigor, early bearing and high productivity  
Self-compatible (S3S4')  
Harvest: Burlat + 22–24 days  
Very large, heart-shaped fruit with glossy dark-red skin  
Firm, sweet flesh with good flavor  
Susceptible to cracking.

## MARYSA® PA6UNIBO\*



High vigor, very early bearing and high productivity  
Self-compatible  
Harvest: Burlat + 10–12 days  
Large, heart-shaped fruit with glossy purple-red skin  
Firm, fleshy and sweet, with pronounced acidity  
Medium-low susceptibility to cracking

## AREKO (C.O.V.)



Tree: medium vigor  
Bloom: late  
Pollinizer: Kordia  
Productivity: medium-high  
Fruit: red-black skin, heart-shaped, with good firmness  
Size: 28–30 mm  
Flavor: sweet.  
**Pollinizers:** Kordia, Carmen, Henriette, Skeena

## ROYAL TIOGA (C.O.V.)



Firmness: high – Sugars: 16.5 °Brix  
Cracking tolerance: medium  
Storage after 2 weeks at 5°C: excellent retention of firmness and flavor  
Handling sensitivity: low  
Season: very early – Pollination: self-fertile  
Alleles: S1-S4' – Growth habit: upright  
Vigor: high – Fruiting: rapid – Productivity: high  
Bearing onset: very rapid

## Sweet Aryana® PA1UNIBO\*

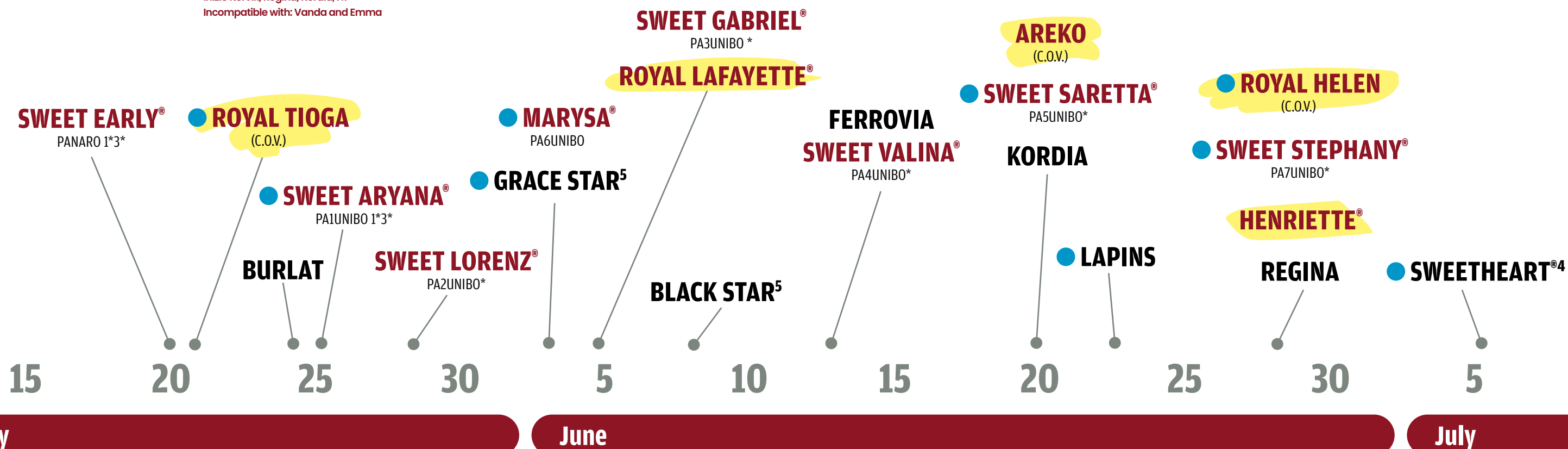


High vigor, early bearing and high productivity  
Self-compatible (S3S4')  
Harvest: Burlat + 3–5 days  
Medium-large, flattened heart-shaped fruit with glossy dark-red skin  
Firm, sweet flesh with good flavor  
Medium-high susceptibility to cracking.

## Sweet Lorenz® PA2UNIBO\*



High vigor, early bearing and high productivity  
Self-incompatible (S3S4)  
Harvest: Burlat + 8–10 days  
Very large, heart-shaped fruit with glossy dark-red skin  
Very firm, sweet flesh with excellent flavor  
Medium-low susceptibility to cracking.  
**Pollinizers:** Sweet Aryana, Sweet Lorenz, Sweet Valina, Sweet Saretta, Marysa



# Rootstocks

| Rootstocks                                  | Vigor | Tolerance to calcareous soils | Soil asphyxia resistance | Replant disease tolerance |
|---------------------------------------------|-------|-------------------------------|--------------------------|---------------------------|
| <b>Franco</b> (P. avium)                    |       |                               |                          |                           |
| <b>Colt®</b>                                |       |                               |                          |                           |
| <b>Ma X Ma 60 DELBARD® BROKSEL</b>          |       |                               |                          |                           |
| <b>P. Mahaleb SL 64</b>                     |       |                               |                          |                           |
| <b>Cab 6P</b>                               |       |                               |                          |                           |
| <b>Gisela 5® GI 148-2</b>                   |       |                               |                          |                           |
| <b>Gisela 6® GI 148-1</b>                   |       |                               |                          |                           |
| <b>Gisela 12® P. canescens x P. cerasus</b> |       |                               |                          |                           |
| <b>Gisela 13® P. canescens x P. cerasus</b> |       |                               |                          |                           |
| <b>Gisela 17® P. canescens x P. Avium</b>   |       |                               |                          |                           |

## Franco

Suitable for deep, cool, even moderately heavy soils; sensitive to drought, it tolerates calcareous conditions and moderate waterlogging, but is poorly suited to replanting. Highly vigorous and slow to come into bearing, it is used where Mahaleb cannot be grown. The Franco Mazzard F12/1 selection has now largely been discontinued because of its excessive vigor, unsatisfactory productivity and fruit quality.

## Colt®

Prunus avium × Prunus pseudocerasus. Medium-high vigor (20% compared with Franco) with good anchorage. It is resistant to replant disease and therefore well suited to replanting. Highly susceptible to Agrobacterium tumefaciens. Productivity is similar to Franco.

## MaxMa 60 Delbard® Broksec\*

Prunus avium × Prunus mahaleb, developed in the USA. It has medium-high vigor, does not produce suckers and induces excellent productivity. It is suitable for medium-textured soils, including hillside sites, thanks to its drought tolerance. A highly adaptable rootstock that is gaining increasing acceptance.

## Mahaleb SL64

Suitable for loose, light, stony and calcareous soils, provided they are well drained; highly sensitive to root waterlogging, A. tumefaciens and many root diseases. It develops a taproot system with excellent anchorage and low suckering. Vigor is lower than Franco, although it varies according to seed origin; production efficiency and productivity are also higher than Franco.

## Cab 6P (selection of di P. cerasus)

Selected by the University of Bologna. Good adaptability to different soil types. Moderately suckering. Medium-high vigor and moderate anchorage. Suitable for compact, heavy and poorly aerated soils. Sensitive to water stress and Armillaria, while tolerant to Phytophthora and Verticillium. It advances ripening by a few days compared with Colt and F12. Suitable for medium-density orchards on fertile soils.

## Gisela®5 GI148-2\*

Prunus canescens × Prunus cerasus, developed in Germany by the University of Giessen. Low vigor, non-suckering and capable of inducing high productivity. Sensitive to Pseudomonas, Coccomyces, Phytophthora and Armillaria, and only slightly susceptible to crown gall (Agrobacterium tumefaciens). Suitable for cool, fertile soils. An excellent choice for high-density irrigated orchards, where it promotes early bearing and improves fruit size.

## Gisela®6 GI148-1\*

Prunus canescens × Prunus cerasus, developed in Germany by the University of Giessen. Medium-low vigor. Sensitive to Pseudomonas, Coccomyces, Phytophthora and Armillaria, and only slightly susceptible to crown gall (Agrobacterium tumefaciens). It improves fruit size and advances ripening. Suitable for high-density irrigated orchards.

## Gisela®12 P.canescens x P. cerasus

A new dwarfing rootstock that induces vigor similar to Gisela®6, with stronger growth under certain conditions. In Europe it has been used at sites where Gisela®6 showed stability issues, such as windy areas with heavy rainfall. It provides more controlled cropping than Gisela®5 and Gisela®6, promotes early bearing and excellent fruit size. Regular pruning helps maintain this favorable characteristic over time. Gisela®12 is also better adapted to warmer climates than Gisela®6 and is classified as tolerant to PDV and PNRSV.

## Gisela®13 P. canescens x P. cerasus

A new dwarfing rootstock in the Gisela® family. Gisela®13 induces vigor similar to Gisela®6 while delivering excellent yield and fruit quality with lower water requirements, and it can be used for replanting. It retains the key characteristics of traditional Gisela® rootstocks, including no suckering, excellent graft compatibility and wide branch angles. It is currently the hardest dwarfing Gisela® rootstock on the market.

## Gisela®17 P.canescens x P. Avium

A new rootstock in the Gisela® family, Gisela®17 is semi-dwarfing, with growth similar to MaxMa 14. It promotes early bearing and excellent fruit size. It is the hardest of the Gisela® rootstocks and is also suitable for replanting. Cropping is more controlled than with the more dwarfing Gisela® rootstocks, especially in self-fertile cultivars. It is classified as tolerant to PDV and PNRSV.



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