# The new Prim and Final series varieties (Germany)

## P. Stoppel

Vitroplant, Lake Costance, Germany

### **Prim Series**

Breeding of Prim Series begun in 2004. There weren't any good quality varieties in early ripening time that worked in our climate. So we started to breed our own Early varieties. We started breeding with hundreds of selected seedlings after our own understanding of good fruit quality parameters. By "good fruit quality", we mean a good Flavor (about 18 °Brix and enough acidity), high firmness (~ 60 Durofel), dark color and as less cracking as possible. Also the fruit size is very important for us, most of the fruits have ~30 mm.



Prim 2.1®

Heart-shaped fruit, long stem. Origin: Germany. Growth habit: middle to strong, well feathered; pollinators: Prim 2.3©, Prim 3.1©; flowering time: early to middle, S-alleles S3S9; quality: firm, >70-75 Durofel, juicy and sweet, good acidity, 17-19°Brix, >28 mm, no cracking sensible; harvest: 2 days after Burlat. Very productive.





Wide heart-shaped brilliant red, middle to long stem. Origin: Germany. Growth habit: middle to strong, well feathered; pollinators: Prim 2.1©, Prim 3.1©; flowering time: early-early to middle, S-alleles S1S9; quality: firm, 60-70 Durofel, crunchy, 15-16 °Brix, 30-32 mm; harvest: 2 days after Burlat; short picking window. Very productive.



### Prim 3.1®

Round-Heart shaped fruit, long green stem (>4 cm), Origin: Germany; growth habit: middle to strong, well feathered; pollinators: Prim 2.1<sup>©</sup>, Prim 3.1<sup>©</sup>; flowering time: early, S-alleles S1S4; quality: firm, >70 Durofel, juicy fleshy and sweet, 18-20 °Brix, big size (30mm), no cracking sensible; harvest: 5 days after Burlat. Very productive.

#### **Final Series**

Breeding of Final Series begun in 2003 with hundreds of seedlings selected every year. The majority of farmers in South Germany were cultivating Kordia and Regina, so the price was very low in ripening time. That's why we wanted to have varieties, which were later than Kordia and Regina and also had very good fruit quality. The Late Varieties, like the Canadian Varieties, don't work in our Climate. The parameters were almost the same we had for the early Varieties: good Flavor (about 18 °Brix and enough acidity), high firmness (~ 60 Durofel), dark color and as less cracking as possible. Furthermore, the fruit size is important for us: most of the fruits have ~30 mm.



Final 10.4®

Wide heart-shaped fruit, long green stem. Origin: Germany. Growth habit: middle to strong, well feathered, no bare wood; Flowering time: early to middle, S-alleles S3S4, self-fertile; Quality: firm, 75-85 Durofel, crunchy, very nice aroma; >20 °Brix, 30-32 mm; harvest: 7-10 days after Regina; very productive.



Final 12.1®

Wide heart-shaped fruit, long green stem. Growth habit: middle to strong, well feathered; flowering time: late, S-alleles S3S4, self-fertile; quality: firm, 85-95 Durofel, juicy, very nice aroma, >20 °Brix, >30mm; harvest: 10-15 days after Regina. Very productive.



Final 11.3<sup>®</sup>

Wide heart-shaped fruit, long green stem. Origin: Germany. Growth habit: middle to strong, well feathered, no bare wood.

Flowering time: middle, S-alleles S3S4, self-fertile; quality: firm, 75-85 Durofel, juicy, very nice aroma, >20 °Brix, 30-32 mm; harvest: 10 days after Regina. Very productive.



Final 13.1®

Wide, round fruit, long green stem. Growth habit: middle to strong; flowering time: middle, S-alleles S3S4, self-fertile. quality: firm, 80-90 Durofel, very nice aroma, >20 °Brix, 28-30mm; harvest: 20 days or more after Regina. Very productive.