

UCD Warrior Cultivar (2019 release)

This is a new short day cultivar released from the UC Davis Strawberry breeding program. The initial breeding cross originated in 2008 and the selection 08C138P003 was made. It was subsequently tested as 16SD034 from 2016-2018. This cultivar is a mid-early season short day variety with excellent overall disease resistance, especially its strong performance in Charcoal rot trials.

Warrior produces yields and % marketable fruit significantly higher than Petaluma and San Andreas but not significantly better than Fronteras. Warrior does possess a much stronger disease resistance package relative to Fronteras. It performs best in fall planted production systems when harvested with at least 200 chilling hours from high elevation nurseries. Fruit is similar in firmness and BRIX% to Fronteras.

Warrior is resistant to Fusarium wilt (*Fusarium oxysporum*), moderately resistant to Charcoal rot (*Macrophomina phaseolina*) and Phytophthora crown rot (*Phytophthora cactorum*), and moderate susceptibility to Verticillium wilt (*Verticillium dahlia*).

Nursery productivity for Warrior is equal to or superior to that of Fronteras, a well known short day cultivar, as comparison.

Performance of Warrior in advanced trials in Santa Maria, Oxnard and Camarillo 2015-2017 (Yield in cartons per acre harvested through June)

Cultivar	Oxnard 2015-16	Santa Maria 2015-16	Camarillo 2016-17	Oxnard 2016-17	Across Location Fruit Size (g/plant)
UCD Warrior	819	818	787	571	749
Fronteras	918	806	787	739	812
Petaluma	653	669	447	520	573
San Andreas	700	648	428	449	558

Disease Reaction of Warrior in trials at UC Davis and Cal-Poly SLO 2016-2018

Variety	Type	Verticillium Resistance	Phytophthora Resistance	Fusarium Resistance	Macrophomina Resistance
UCD Warrior	SD	3	2	1	2
Fronteras	SD	3	3	1	3
Petaluma	SD	2	3	3	3
San Andreas	DN	2	3	1	4

Legend Acronym	Legend	Resistance Numerical Category
R	Resistant	1
MR	Moderate Resistance	2
MS	Moderate Susceptibility	3
S	Susceptible	4

Fruit Quality Assessments in 5 locations in 2018

Cultivar	BRIX %	Firmness (g force)
UCD Warrior	8.5	284
Fronteras	8.6	293