

UCD Mojo Cultivar (2021 release)

This is a new extreme day neutral cultivar from the UC Davis Strawberry breeding program. The initial breeding cross originated in 2012 and the selection 12C166P002 was made. It was subsequently tested as 17EDN019 from 2017-2019. This cultivar is a day neutral variety excelling in its use for summer plant culture.

Mojo produces marketable yields similar to Portola, the key cultivar in the summer plant market segment. One critical reason for the advancement of this cultivar was to provide superior fruit quality to Portola to address consumer complaints with the quality of fruit coming from that cultivar. Fruit is 1% higher in sugar content and has firmer fruit than Portola, which supports better post harvest keeping qualities.

Mojo is moderately resistant to Charcoal rot (*Macrophomina phaseolina*), moderately susceptible to Verticillium wilt (*Verticillium dahlia*) and Phytophthora crown rot (*Phytophthora cactorum*), and susceptible to Fusarium wilt (*Fusarium oxysporum*). Nursery productivity for Finn is equal to that of Portola the key day neutral cultivar in the summer plant market segment.

Performance of Mojo in advanced trials in Santa Maria and Ventura 2017-2019 (Yield in kg/ha harvested August-December)(Conventional vs Organic)

Cultivar	Small Plot trials 2017-18	Fruit Weight (g/fruit)	% Marketable Fruit	Large Plot (Conv) 2019	Fruit Weight (g/fruit)	Large Plot (Org) 2019	Fruit Weight (g/fruit)
UCD Mojo	40,453	24.1	77%	40,270	26.8	10,956	19.6
Portola	47,465	23.5	81%	37,546	25.4	17,485	21.2

Disease Reaction of Mojo in trials at UC Davis and Cal-Poly SLO 2017-2019

Variety	Type	Verticillium Resistance	Phytophthora Resistance	Fusarium Resistance	Macrophomina Resistance
UCD Mojo	DN	3	3	4	2
Portola	DN	3	2	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 2019

Cultivar	BRIX %	Firmness (g force)
UCD Mojo	8.3	414
Portola	7.5	325