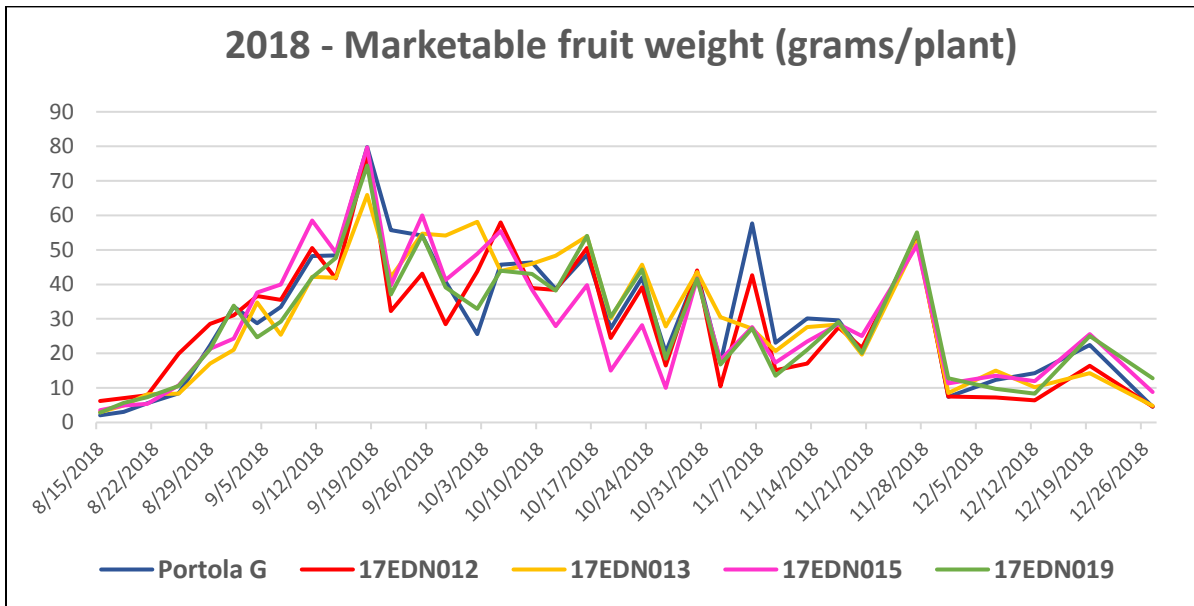
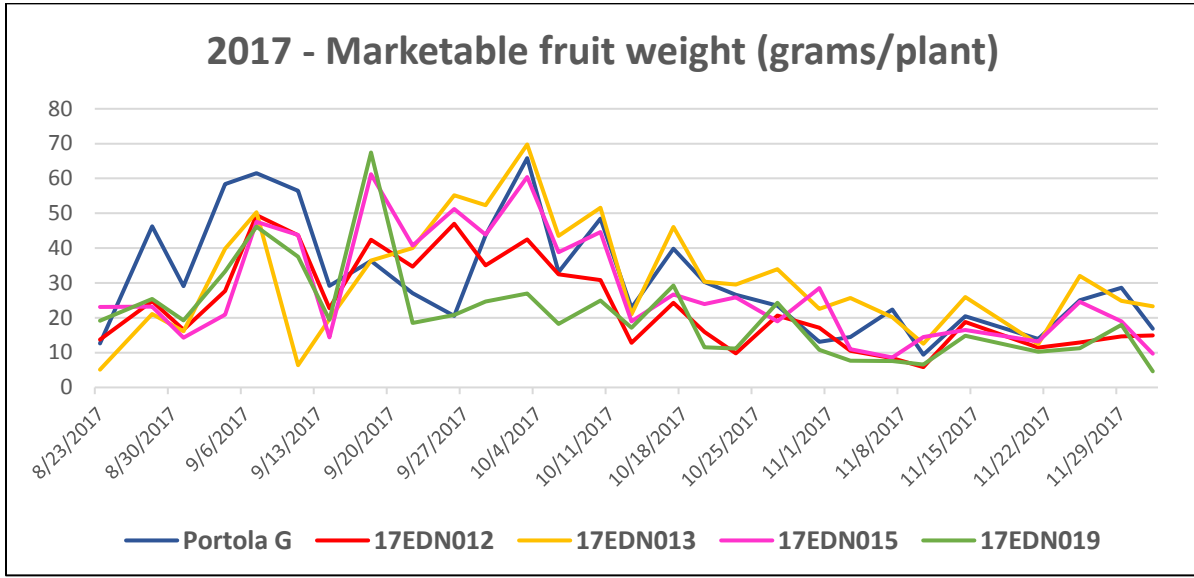




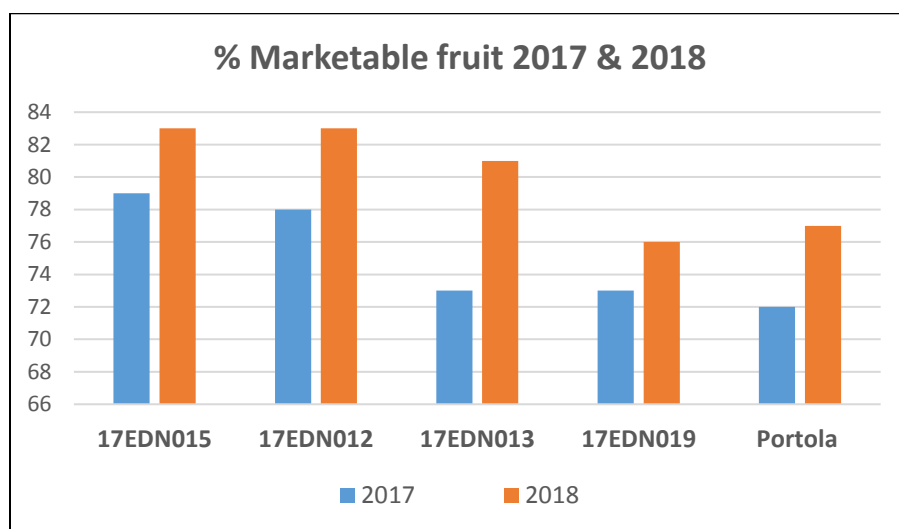
**UC DAVIS STRAWBERRY BREEDING PROGRAM  
ANNUAL FIELD DAY  
SUMMER PLANT CULTIVAR ADVANCEMENT  
SANTA MARIA 15 OCTOBER 2019**



**FIGURE 1.** Marketable yields in grams/plant of the cultivars tested in Santa Maria in 2017 (upper graph) and 2018 (lower graph) through the summer plant harvest season (August to November/December)

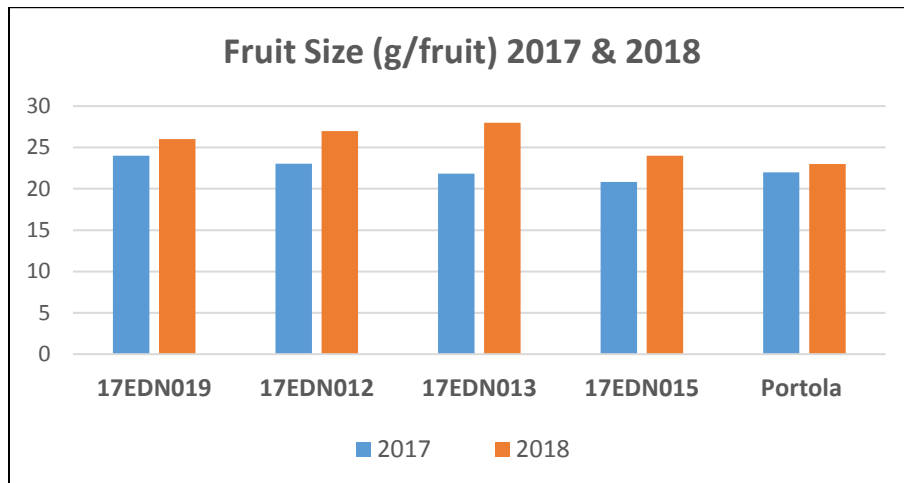
Cultivar	2017 Total Marketable Fruit Weight		2018 Total Marketable Fruit Weight		2017 & 2018 Average Marketable Fruit Weight	
	g/plant	cartons/acre*	g/plant	cartons/acre*	g/plant	cartons/acre*
Portola	876 a	5,907	1096 a	7,392	986 a	6,650
17EDN013	867 a	5,852	1081 a	7,289	974 ab	6,570
17EDN015	788 ab	5,315	1044 a	7,044	916 ab	6,179
17EDN012	662 bc	4,463	1030 a	6,950	846 ab	5,707
17EDN019	587 c	3,958	1029 a	6,939	808 b	5,449

**TABLE 1.** Cumulative marketable yields for four experimental cultivars compared to Portola (check) tested in Santa Maria, CA in 2017 and 2018. Yields are given in grams per plant and cartons per acre. Values followed by different letters indicate significant statistical differences ( $\alpha= 0.05$ )  
\*Values were calculated based on a planting density of 24,500 plants/acre



Cultivar	17EDN015	17EDN012	17EDN013	17EDN019	Portola
<b>Avg. % Marketable Fruit 2017 &amp; 2018</b>	81 a	80.5 a	77 ab	74.5 b	74.5 b

**FIGURE 2, TABLE 2.** Average percentage of marketable fruit weight measured during the harvesting season of 2017 and 2018 in Santa Maria, CA for the four experimental cultivars and Portola. Values followed by different letters indicate significant statistical differences ( $\alpha= 0.05$ )



Cultivar	17EDN019	17EDN012	17EDN013	17EDN015	Portola
<b>Avg. Fruit Size (g) 2017 &amp; 2018</b>	25.0 a	25.3 a	24.9 a	22.5 b	22.4 b

**FIGURE 3, TABLE 3.** Average fruit size in grams measured during the harvesting season of 2017 and 2018 in Santa Maria, CA for the four experimental cultivars and Portola. Values followed by different letters indicate significant statistical differences ( $\alpha=0.05$ )



Cultivar	Firmness (g)	Brix
<b>17EDN012</b>	415	8.3
<b>17EDN015</b>	377	8.4
<b>17EDN019</b>	376	8.5
<b>17EDN013</b>	369	8.0
<b>Portola</b>	361	7.8

**FIGURE 4, TABLE 4.** View of external and internal appearance of a berry per cultivar. The table shows average firmness and brix values measured in the 2018 harvest season. Berries were collected in Santa Maria and evaluated once a month (September to December).