

Pepper Shade Cloth Timing Study

The purpose of this study is to determine the optimal timing for 30% black shade cloth application in pepper production.

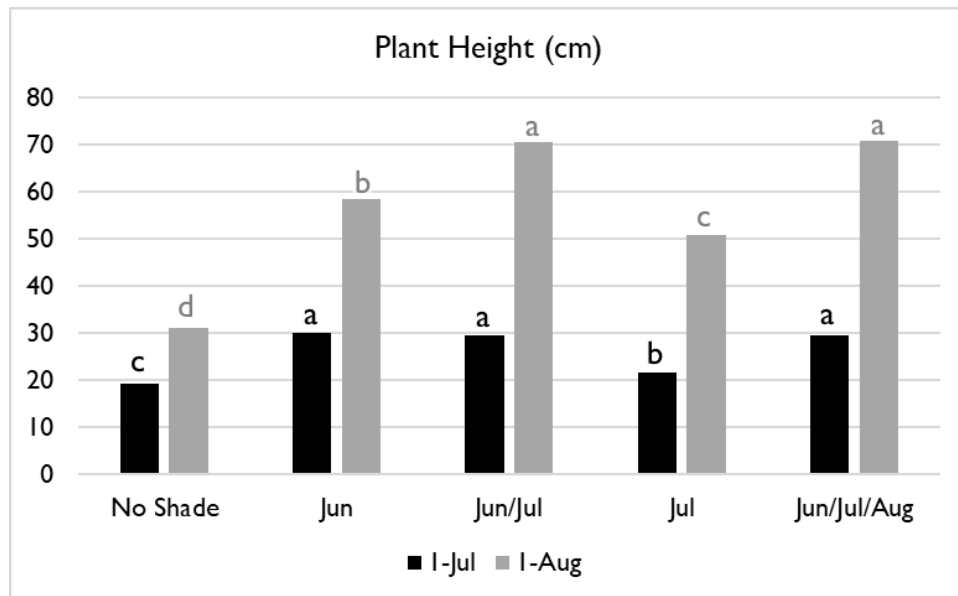
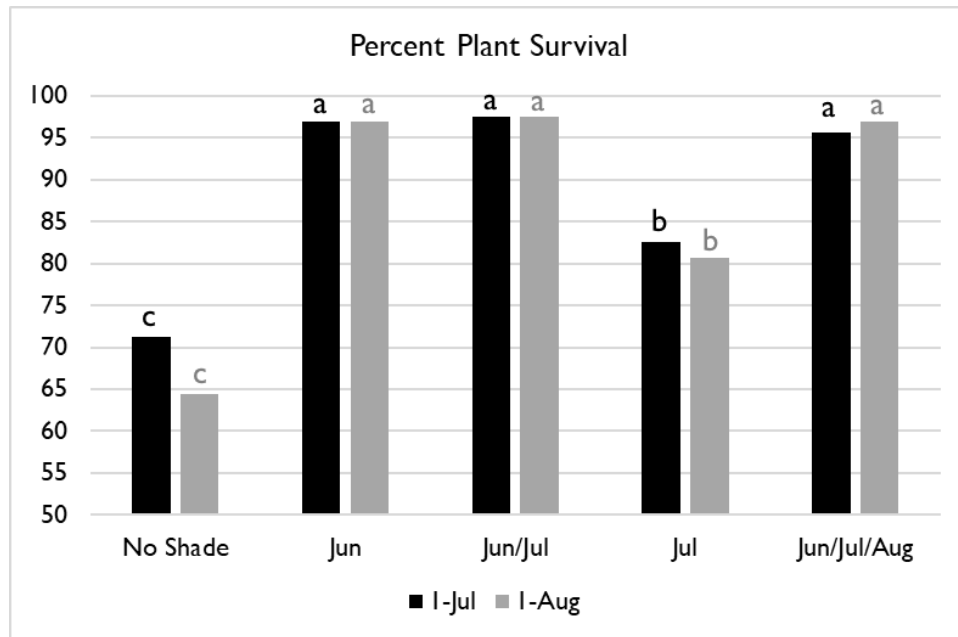
Four colored pepper varieties transplanted June 1:
Aristotle, Abay, Carmen and Milena

On July 19: Air Temp 87 °F, Shade Soil 85 °F, Unshaded Soil 98 °F

In 2021: Average daily air temperatures in July were 2 °F cooler in shaded plants. Average daily maximum temperature averaged 8 °F lower in shaded plots.

Five shade treatments:

No Shade | June Shade | June & July Shade | July Shade | June, July & ½ August Shade



Small Fruit Demonstration Plot

The purpose of this plot is to showcase varieties and recommended production practices for small fruit crops. The following crops were planted in spring 2021:

Blueberry: Northern Highbush, Southern Highbush & Rabbiteye varieties

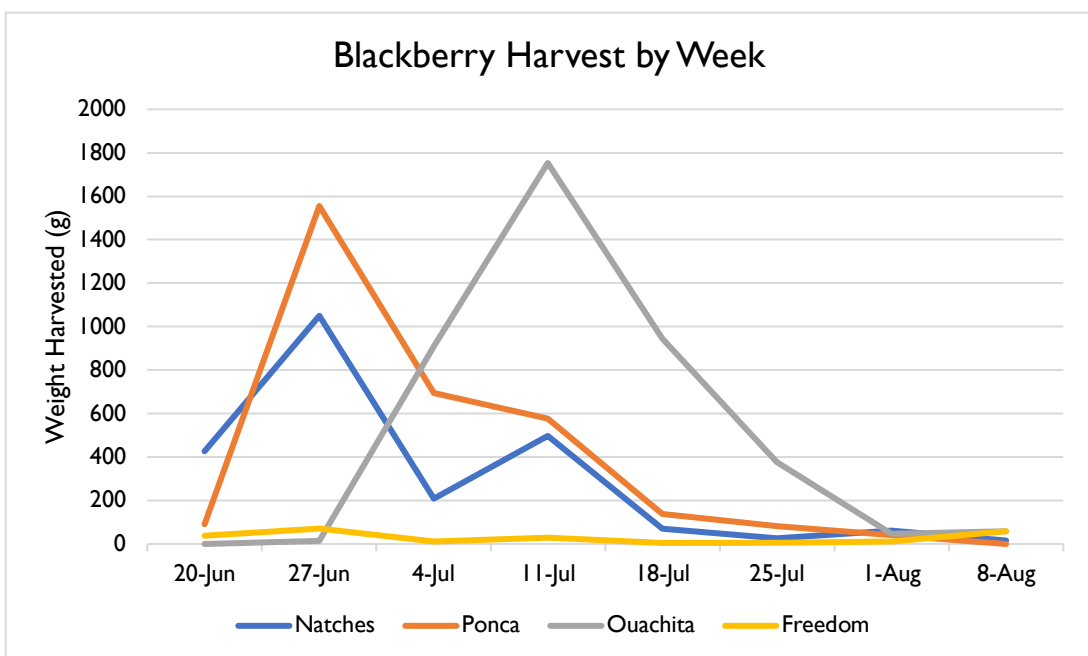
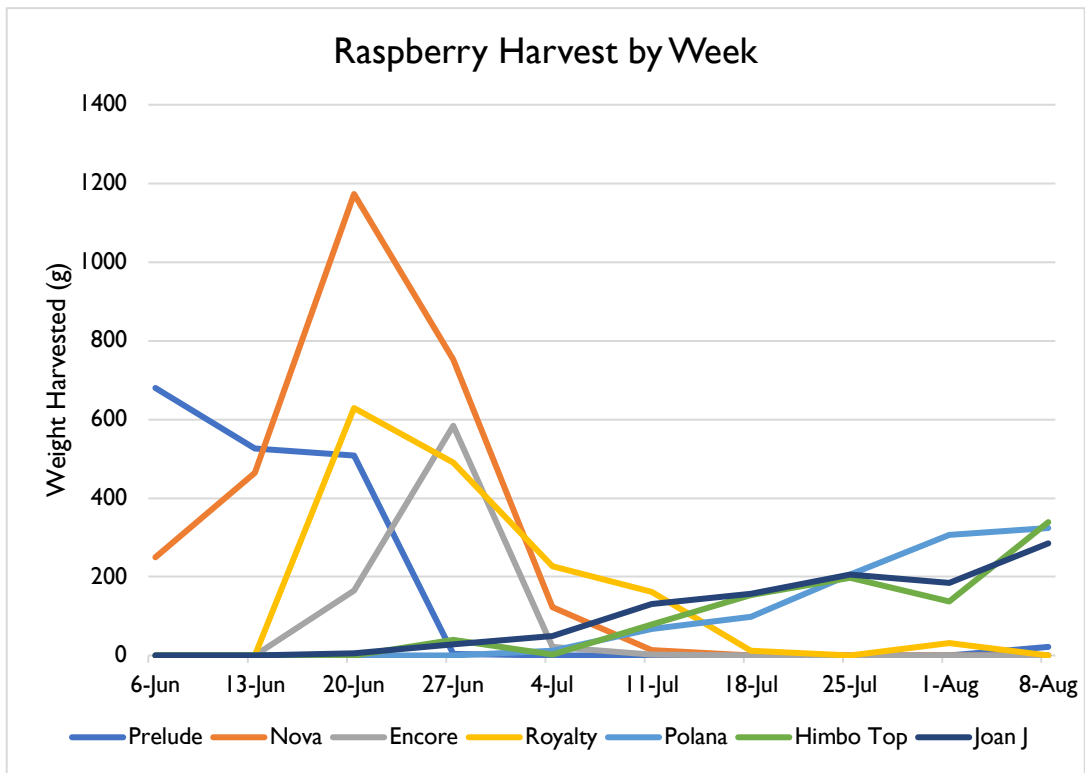
Blackberry: Floricane and Primocane bearing varieties (all thornless)

Ribes: Currants and Gooseberries

Red Raspberry: Floricane and Primocane bearing varieties (one thornless, one purple)

Black Raspberry: Floricane and Primocane bearing varieties

Honeyberry, Hardy Kiwi, Grapes, Aronia, Elderberry



Alternative Processing Vegetables

Edible Podded Peas

10 varieties tested in spring 2022

Cauliflower

Nine varieties tested in fall 2022, 17 being tested in fall 2022, transplanted today (August 10)

2021 Delaware Cauliflower Trial Total and Marketable Yield, Percent Marketable and Observed Physiological Defects

Variety	Total Yield (lbs/acre)	Marketable Yield (lbs/acre)	% Marketable	Defects Observed
Twister	18,868 a	15,780 a	81.0	fuzziness, purpling
Caniego	13,703 b	12,555 a	91.3	slight fuzziness
Bermeo	12,133 b	12,004 a	98.8	none
Flamenco	15,273 ab	11,480 a	71.0	fuzziness
Toledo	12,771 b	11,480 a	89.5	slight fuzziness, yellowing
Alcala	13,263 b	10,153 ab	72.3	ricing, purpling
Skywalker	13,306 b	4,829 bc	31.0	leafy, freeze damage
B-3277	12,678 b	4,648 bc	34.0	black spots, freeze damage
Adona	11,427 b	2,654 c	23.0	leafy, freeze damage
p-value	0.0300	0.0013	0.0001	
C.V.	19.733	42.25	33.63	
LSD	3949	5863	32.27	