

2009 EFS pH Trial

Michelle Le Strange, Farm Advisor, Tulare & Kings Counties

Field Location: UC WSREC, Five Points, Fresno County, CA

Transplant Date: 28-Apr-09 hand transplanted Soil: Panoche Clay Loam

Grown under sprinkler irrigation until layby, then switched to subsurface drip irrigation.

Pest Mgmt: Apr 28-Matrix herbicide 2oz, Jun 24-Layby Treflan 20 oz, Jun 30-Dimethoate 24ozs, Microthiol 8 lb/A,
Jul 30- Intrepid 16 oz, Quadris 6 oz, Aug 17-Rally wetttable 4 oz, Intrepid 15 ozs, Bravo 1 qt, Sept 2- Quadris 6 oz.

Whitewash: Aug 17-Surround WP 40 lb/A Fertilizer: 200 lb N/A, 150 lbs P2O5

Field Problems: CTV, TSWV, Powdery Mildew, Stink Bug

Treatment Code 4 Hand Harvests (10' row x 66-inch bed)

1	AB 2	H1	125	DAT	(days after transplanting)
2	H 2401	H2	133	DAT	
3	H 9557	H3	140	DAT	
4	Sun 6368	H4	146	DAT	

Variety	Tons/Acre				% Reds Marketable				% Green Fruit				% Culls			
	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4
AB 2	39.8 a	34.9 bc	34.2 b	21.4 b	71.2	60.2	40.9 b	13.2	6.3 b	1.2	0.0	1.0	22.5	38.6	59.0 a	85.2
H 2401	44.7 a	44.6 a	49.0 a	35.2 a	78.5	77.6	71.6 a	44.6	5.8 b	3.3	0.0	0.0	15.6	19.1	28.4 b	55.4
H 9557	36.3 a	33.9 c	38.9 ab	24.9 b	67.5	57.3	47.0 b	26.1	12.2 a	3.4	1.3	0.5	20.3	39.4	51.7 a	73.4
Sun 6368	45.1 a	42.9 ab	46.0 a	35.1 a	80.7	78.5	72.3 a	42.5	3.6 b	1.4	0.0	0.6	15.7	20.1	27.9 b	56.9
AVG	41.5	39.1	42.0	29.2	74.5	68.4	58.0	31.6	7.0	2.3	0.3	0.5	18.5	29.3	41.8	67.7
CV %	16.3	13.4	16.0	18.3	8.8	18.2	17.3	73.1	30.7	58.8	--	--	31.1	44.1	24.2	34.8
LSD (0.05)	NS	8.3	10.7	8.5	NS	NS	16.0	NS	3.4	NS	1.1	NS	NS	NS	16.2	NS

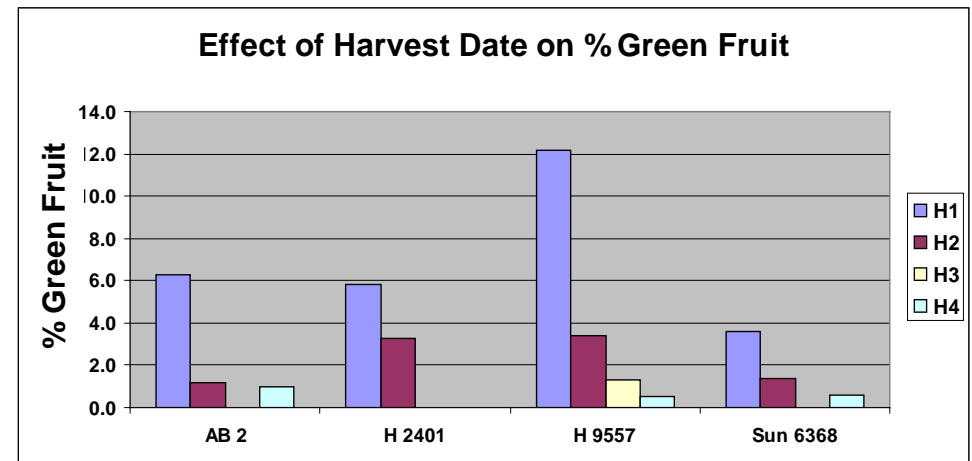
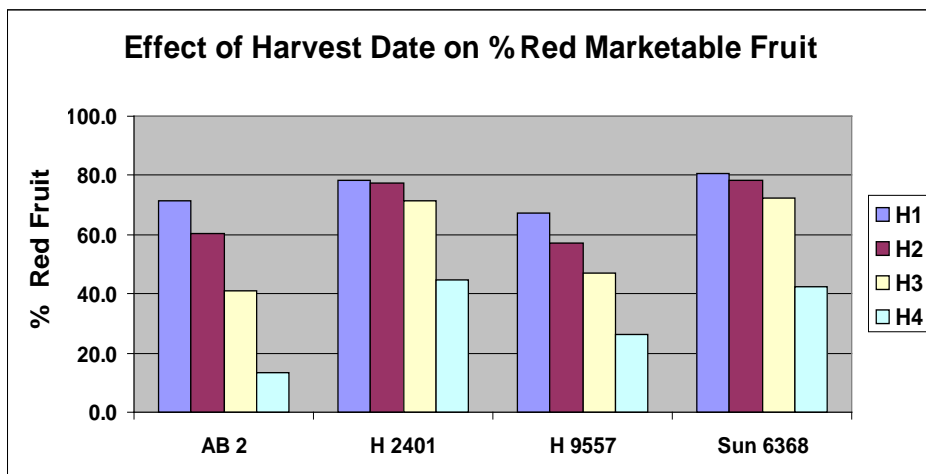
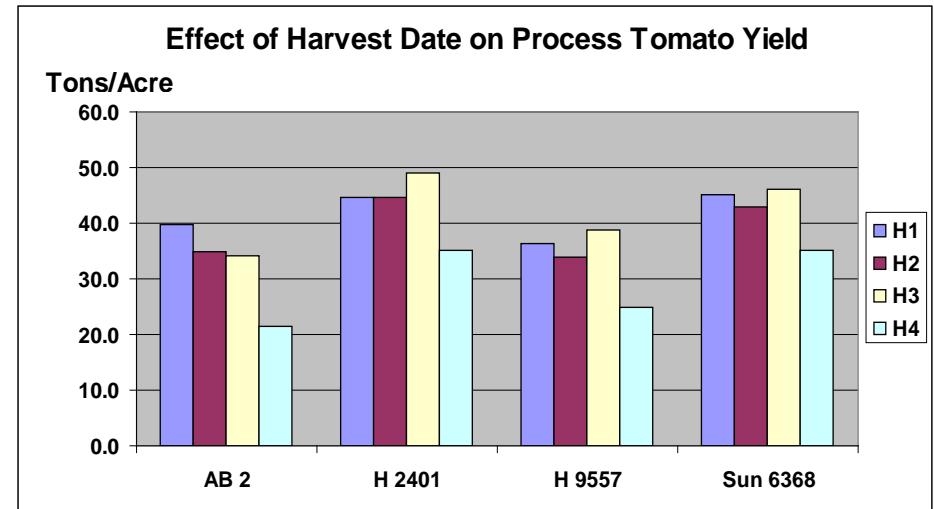
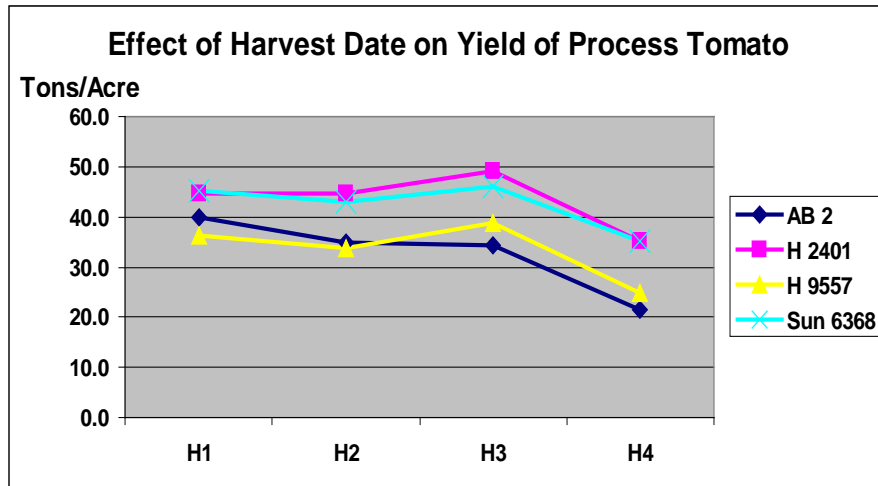
Variety	PTAB Color				PTAB Solids				PTAB pH			
	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4
AB 2	24.8 b	24.5 b	26.5	29.8	5.5 a	5.3 a	5.3 a	5.1 a	4.4 a	4.4 b	4.5	4.5 b
H 2401	25.3 b	24.5 b	26.3	25.8	5.1 b	4.9 ab	4.9 ab	4.3 b	4.3 b	4.3 c	4.5	4.5 b
H 9557	25.3 b	24.3 b	26.0	26.8	4.8 bc	4.6 bc	4.6 bc	4.1 bc	4.4 a	4.4 b	4.5	4.5 b
Sun 6368	27.8 a	26.0 a	26.5	29.8	4.6 c	4.4 c	4.4 c	3.7 c	4.4 a	4.5 a	4.5	4.6 a
AVG	25.8	24.8	26.3	28.1	5.0	4.8	4.8	4.3	4.4	4.4	4.5	4.5
CV %	3.4	3.4	4.8	9.3	4.5	6.0	6.0	7.5	0.6	0.9	1.3	1.4
LSD (0.05)	1.4	1.4	NS	NS	0.4	0.5	0.5	0.5	0.4	0.1	NS	0.1

2009 EFS pH Processing Tomatoes - UC WSREC- Field 30

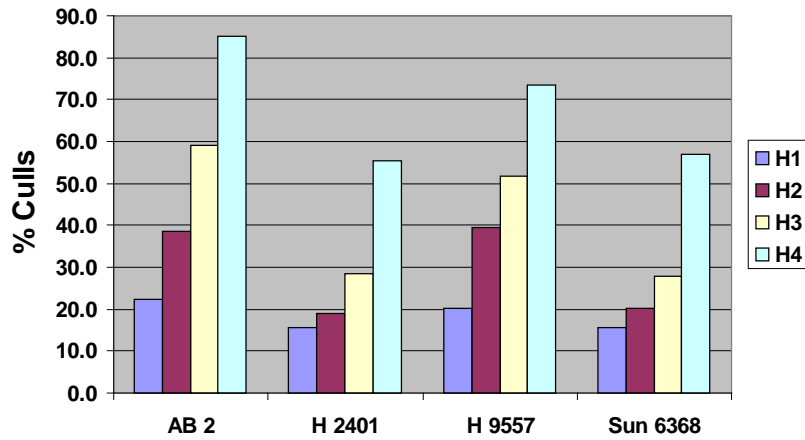
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Diane Barrett and Gordon Anthon, UC Davis

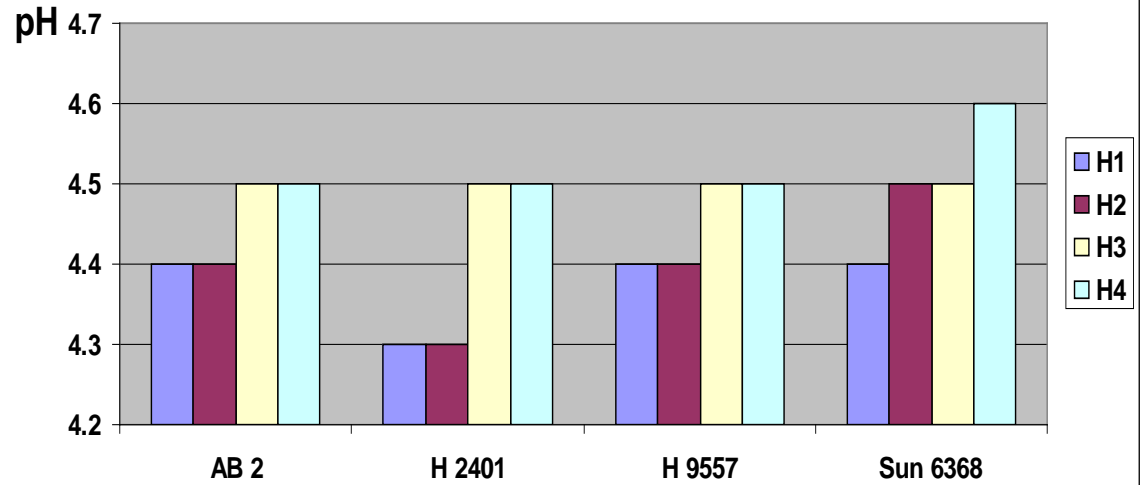
Transplanted	April 28, 2009
H1 = 125 DAT	Aug 31
H2 = 133 DAT	Sept 8
H3 = 140 DAT	Sept 15
H4 = 146 DAT	Sept 21



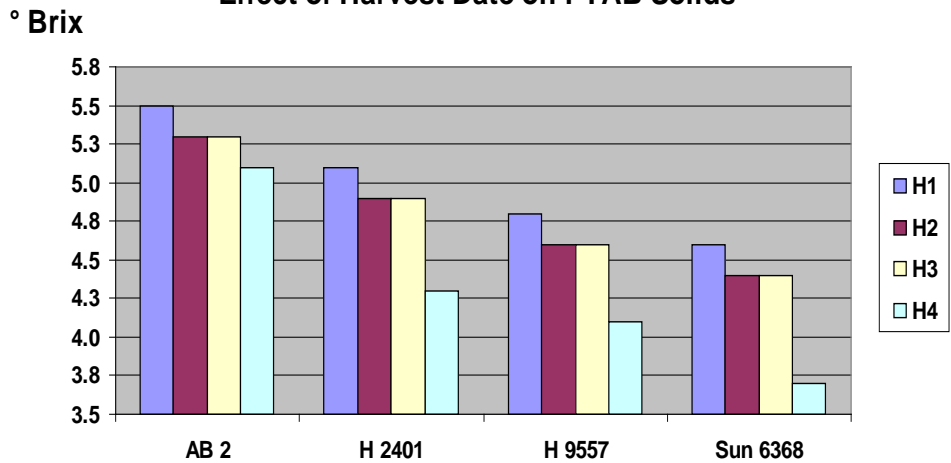
Effect of Harvest Date on % Culls



Effect of Harvest Date on PTAB pH by Variety



Effect of Harvest Date on PTAB Solids



Effect of Harvest Date on PTAB Color

