



UCCE Variety Evaluation Update

Brenna Aegerter
UCCE San Joaquin County



Machine-harvested fruit yield (tons per acre)

Variety	Mean 5		San				
	locations		Colusa	Joaquin	Stanislaus	Merced	Fresno
HM 1892	62.5	a	64.6	52.7	71.6	63.7	62.1
H 1175	60.2	ab	66.2	51.7	54.8	63.1	63.8
H 5608	59.5	abc	62.0	54.3	57.1	66.7	56.6
N 6407	58.3	abcd	60.4	51.7	66.9	55.6	---
H 1161	57.0	bcde	61.7	55.1	58.5	49.5	60.4
H 8504	56.5	bcde	60.7	45.1	62.6	53.7	62.0
N 6404	55.8	cde	53.4	50.9	56.3	65.2	53.5
N 6402	55.3	de	55.7	50.9	56.5	59.7	54.1
AB 0311	54.7	def	53.4	47.8	62.2	58.2	53.5
H 1170	54.3	def	54.7	39.4	58.1	59.5	60.8
AB 2	53.6	efg	45.8	48.2	58.0	68.0	49.2
HM 1893	50.9	fg	52.5	43.8	57.3	52.9	49.4
SUN 6366	49.9	g	45.4	43.5	53.2	51.6	56.5
Mean	56.0		56.6	48.9	59.5	59.1	56.8
CV=	11.4		9.3	8.4	10.7	14.9	9.1
LSD @ 0.05=	4.07		7.51	5.87	10.72	12.58	7.44

Soluble solids (°Brix)

Variety	Mean 5 locations		San				Fresno
			Colusa	Joaquin	Stanislaus	Merced	
H 1161	5.9	a	5.4	6.2	5.9	6.0	6.0
AB 0311	5.8	ab	5.3	6.2	5.6	6.1	6.0
N 6402	5.7	abc	5.1	6.0	5.9	5.6	6.3
N 6407	5.7	abc	5.2	5.8	6.0	5.9	---
SUN 6366	5.7	abc	4.9	5.9	5.4	5.9	6.3
N 6404	5.6	bc	5.3	5.8	5.9	5.3	6.0
H 1170	5.6	cd	5.4	6.1	5.2	5.5	5.6
HM 1892	5.4	de	5.2	5.7	5.0	5.3	5.7
AB 2	5.4	de	5.1	5.7	5.6	4.9	5.7
HM 1893	5.3	ef	5.1	5.4	5.2	5.1	5.6
H 5608	5.1	fg	4.6	5.4	5.1	5.1	5.1
H 8504	5.0	g	4.8	5.4	4.8	4.9	5.3
H 1175	4.9	g	4.8	5.1	4.9	4.6	5.2
Mean	5.5		5.1	5.7	5.4	5.4	5.7
CV=	6.5		3.5	4.0	5.4	11.3	4.0
LSD @ 0.05=	0.23		0.25	0.33	0.49	0.87	0.33

Observational trials (single plot, 5 locations)

Variety	Yield		Soluble solids		rank
	(tons/acre)		(°Brix)		
HMX 2897	57.7	a	5.3	fgh	(8)
H 1293	57.4	a	5.5	bcdefg	(6)
N 6410	56.7	a	5.4	cdefgh	(7)
UG 16609	53.4	ab	5.7	abcde	(4)
BQ 296	52.4	abc	5.8	abc	(3)
N 6412	52.2	abc	5.6	bcdefg	(5)
H 1285	51.6	abc	5.8	abcd	(3)
H 1292	51.5	abc	5.5	bcdefg	(6)
C 322	51.5	abc	5.1	gh	(10)
HMX 2898	49.4	abc	6.0	a	(1)
BQ 313	49.2	abc	5.6	abcdef	(5)
HMX 3908	47.2	bc	5.0	h	(11)
C 324	46.8	bc	5.3	efgh	(8)
HMX 3907	44.9	bcd	5.2	fgh	(9)
BQ 295	44.8	cd	5.4	defgh	(7)
ISI 31060	44.7	cd	5.0	h	(11)
IVF 5268	44.0	cd	5.6	bcdefg	(5)
BQ 311	36.9	d	5.9	ab	(2)

