



2015

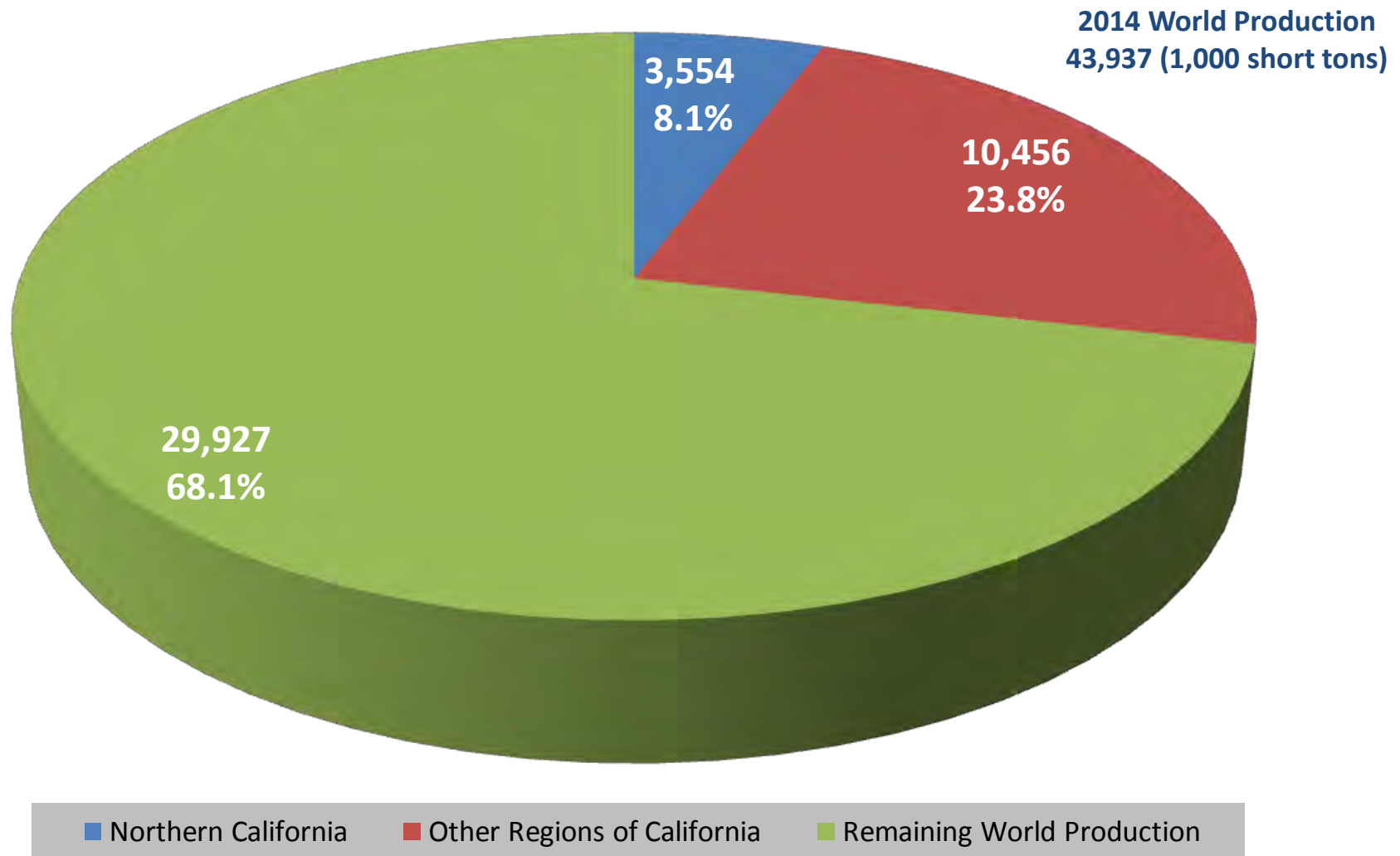
South Sacramento Valley Processing Tomato Production Meeting

January 8, 2015



2014 World Production Estimates

California vs Remaining World Production (1,000 Short Tons)

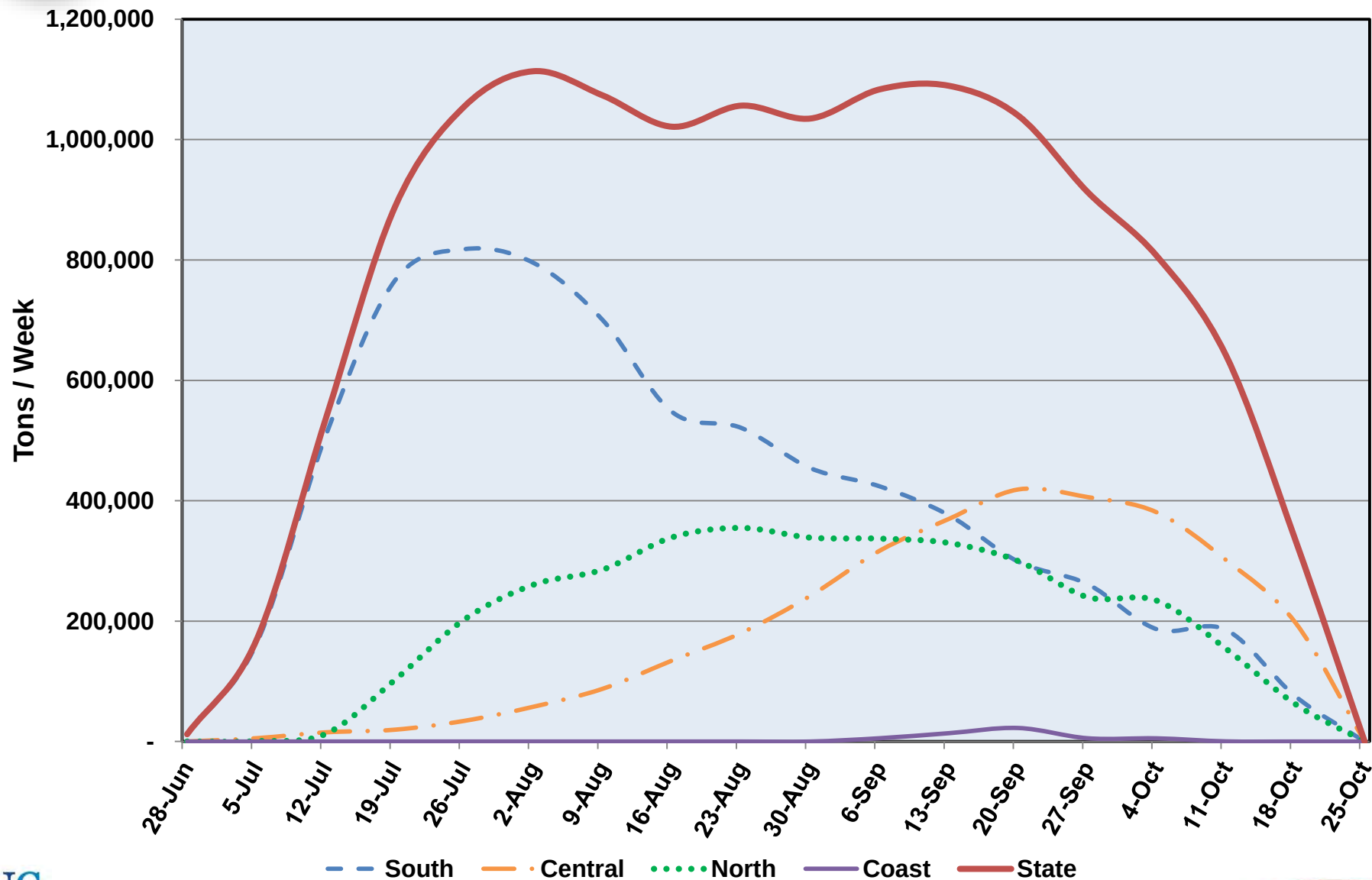


Based on WPTC World Production Estimates as 10/30/2014



2014 Processing Tomato Harvest

Tons per Week by Region





California Processing Tomato Harvest

Regional Production – Selected Counties: 2013 & 2014

County	2013			2014		
	Acre	Tons	Tons / Acre	Acre	Tons	Tons / Acre
Fresno	98,000	4,850,829	49.5	90,000	4,424,491	49.2
Kern	12,000	551,340	45.9	13,000	739,714	56.9
Kings	26,000	1,237,556	47.6	32,000	1,624,072	50.8
Madera	5,000	191,447	38.3	5,000	293,829	58.8
South Region	141,000	6,831,172	48.4	140,000	7,082,106	50.6
Contra Costa	2,500	118,444	47.4	3,000	143,062	47.7
Merced	13,000	738,972	56.8	21,000	1,153,403	54.9
San Joaquin	21,000	904,034	43.0	32,000	1,383,503	43.2
Stanislaus	13,000	493,673	38.0	11,000	442,584	40.2
Central Region	49,500	2,255,123	45.6	67,000	3,122,552	46.6
Yolo	35,000	1,574,628	45.0	36,000	1,717,636	47.7
Colusa	11,000	623,968	56.7	16,000	782,852	48.9
Solano	9,000	354,121	39.3	10,000	434,578	43.5
Sutter	7,000	271,771	38.8	10,000	442,418	44.2
Sacramento	2,000	79,798	39.9	3,000	141,584	47.2
North Region	64,000	2,904,286	45.4	75,000	3,519,068	46.9

Note: Data compiled using USDA/NASS reported acreage and PTAB delivered tons



California Processing Tomato Market

Top 15 Varieties – 2005 vs 2014

2005

Planted Acres:

264,000

Delivered Tons:

9,600,000

Tons/Acre:

36.31

% Transplants:

67%

Solids:

5.44

EFS:

8

TSW:

0

Variety	Mkt Share
AB2	16.9%
H9780	12.4%
H9557	7.4%
3155	6.2%
HP303	5.4%
H9663	5.3%
CXD179	4.9%
APT410	4.8%
UG113	3.2%
H9665	2.6%
HP849	2.4%
H2601	2.2%
N6117	1.9%
HM830	1.7%
HP108	1.6%



2014

Variety	Mkt Share
H8504	14.0%
H5608	10.2%
N6366	8.3%
H2401	5.2%
DRI319	5.1%
N6404	4.2%
H5508	3.9%
AB0311	3.4%
UG19406	3.1%
N6397	3.0%
N6402	2.7%
H4707	2.5%
H1015	2.3%
HM1892	2.3%
HM9905	1.8%

Planted Acres:

288,000

Delivered Tons:

14,000,000

Tons/Acre:

48.61

% Transplants:

> 95%

Solids:

5.16

EFS:

34

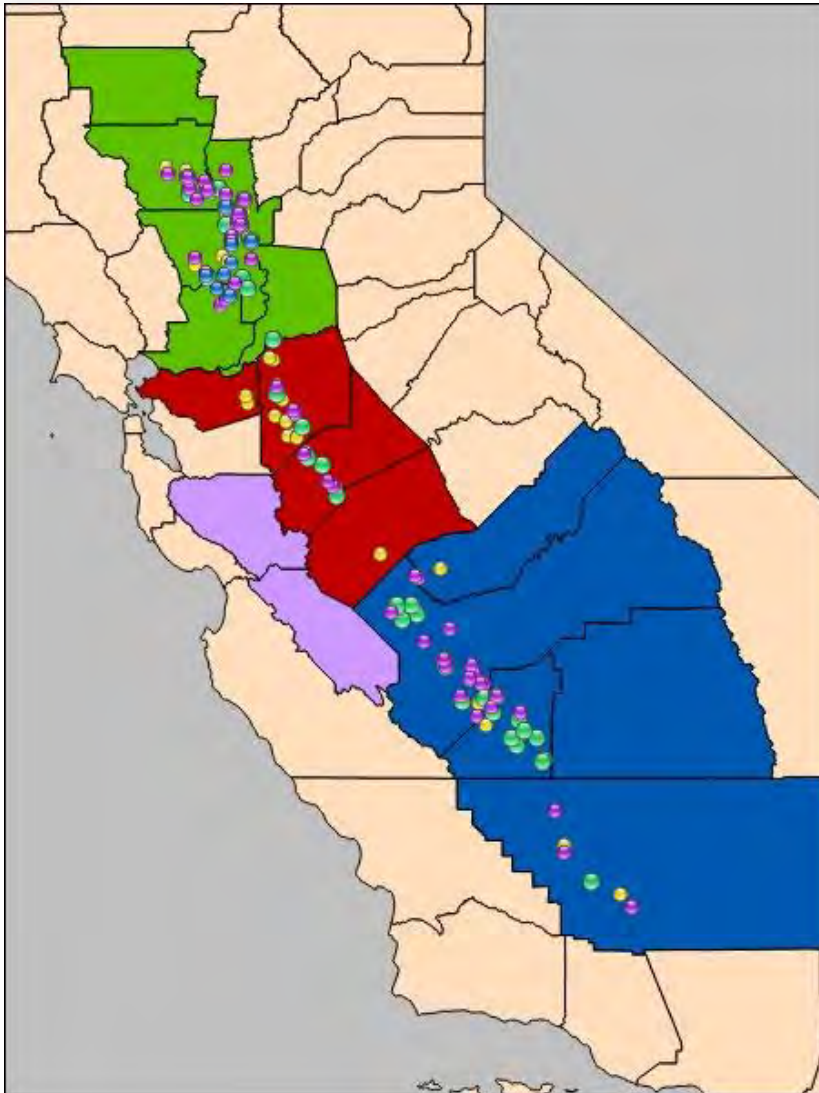
TSW:

42



Ag-Seeds Unlimited Trial Locations

2014 Statewide – Plot, GT, Adaptive & Peel / Dice Trials



- Plot (79 Locations)

- ↳ Chemistry & early indications of horticultural performance

- GT (52 Locations)

- ↳ First test of commercial viability

- Adaptive (66 Locations)

- ↳ Confirmation of commercial potential

- Peel / Dice (12 Locations)

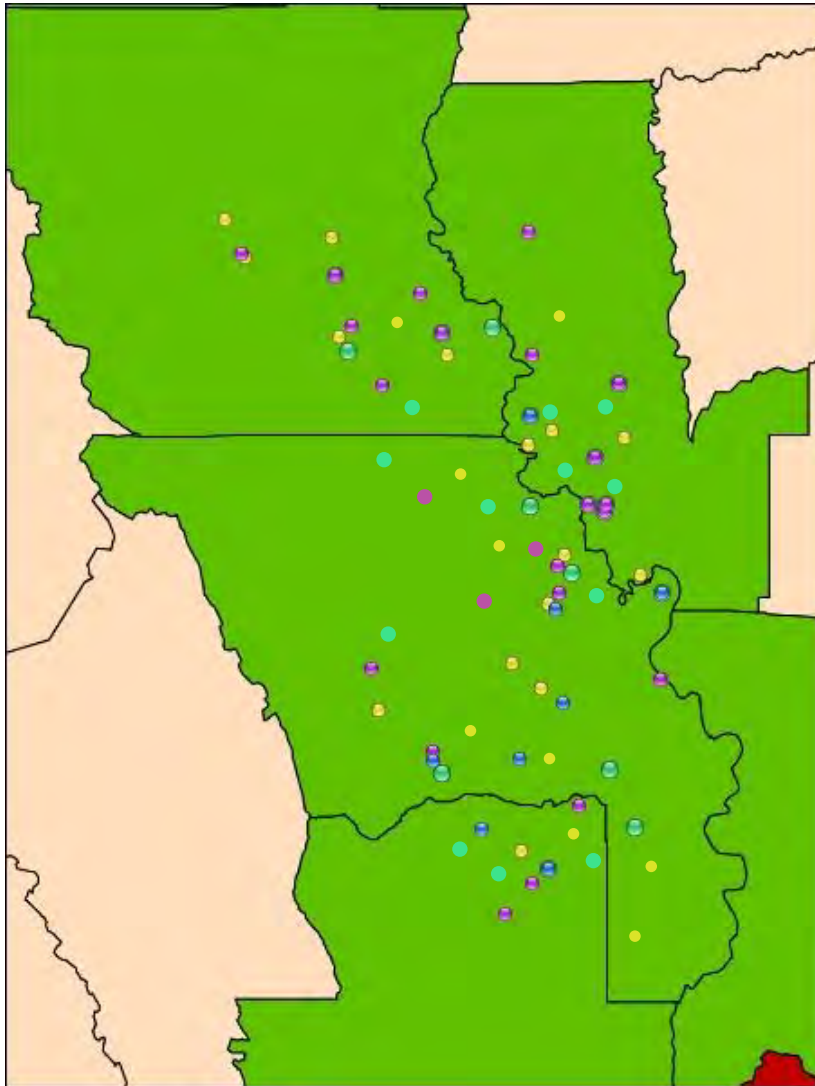
- ↳ Measuring In factory recovery improvements

209 Total Processing Tomato Trials



Ag-Seeds Unlimited Trial Locations

2014 Northern – Plot, GT, Adaptive & Peel / Dice Trials



- Plot (23 Locations)

- ↳ Chemistry & early indications of horticultural performance

- GT (24 Locations)

- ↳ First test of commercial viability

- Adaptive (25 Locations)

- ↳ Confirmation of commercial potential

- Peel / Dice (10 Locations)

- ↳ Measuring In factory recovery improvements

82 Total Processing Tomato Trials in North

F3 Variety Trialing





2014 Trialing

F3 Varieties in Ag Seeds Trials

SUPPLIER	VARIETY
Harris Moran	CXD282
Harris Moran	D12X17562
Harris Moran	D13X17832
Harris Moran	D13X17951
Harris Moran	HMX3907
Harris Moran	HMX4896
Harris Moran	HMX4905
Heinz	H1310
Heinz	H1421
Heinz	H1422
Heinz	H1425
Heinz	H1427
Nunhems	N6412
Nunhems	N6424
Seminis	09AB5328
Seminis	11AB1529
Seminis	11AB1585
Seminis	11AB3647
Seminis	12AB5878
Seminis	12AB5886
Seminis	9Z 1 0258

SUPPLIER	VARIETY
Seminis	SV0335TM
Seminis	SV2493TM
Seminis	SV8232TM
Woodbridge	BQ141
Woodbridge	BQ142
Woodbridge	BQ243
Woodbridge	BQ244
Woodbridge	BQ245
Woodbridge	BQ322
BHN	BP12
BHN	BP13
BHN	BP15
BHN	BP16
BHN	BP17
BHN	BP18
BHN	BP19
BHN	BP2
BHN	BP20
BHN	BP21
BHN	BP3
BHN	BP4



Typical GT Trial Layout

Triple Replicated Yield Trials

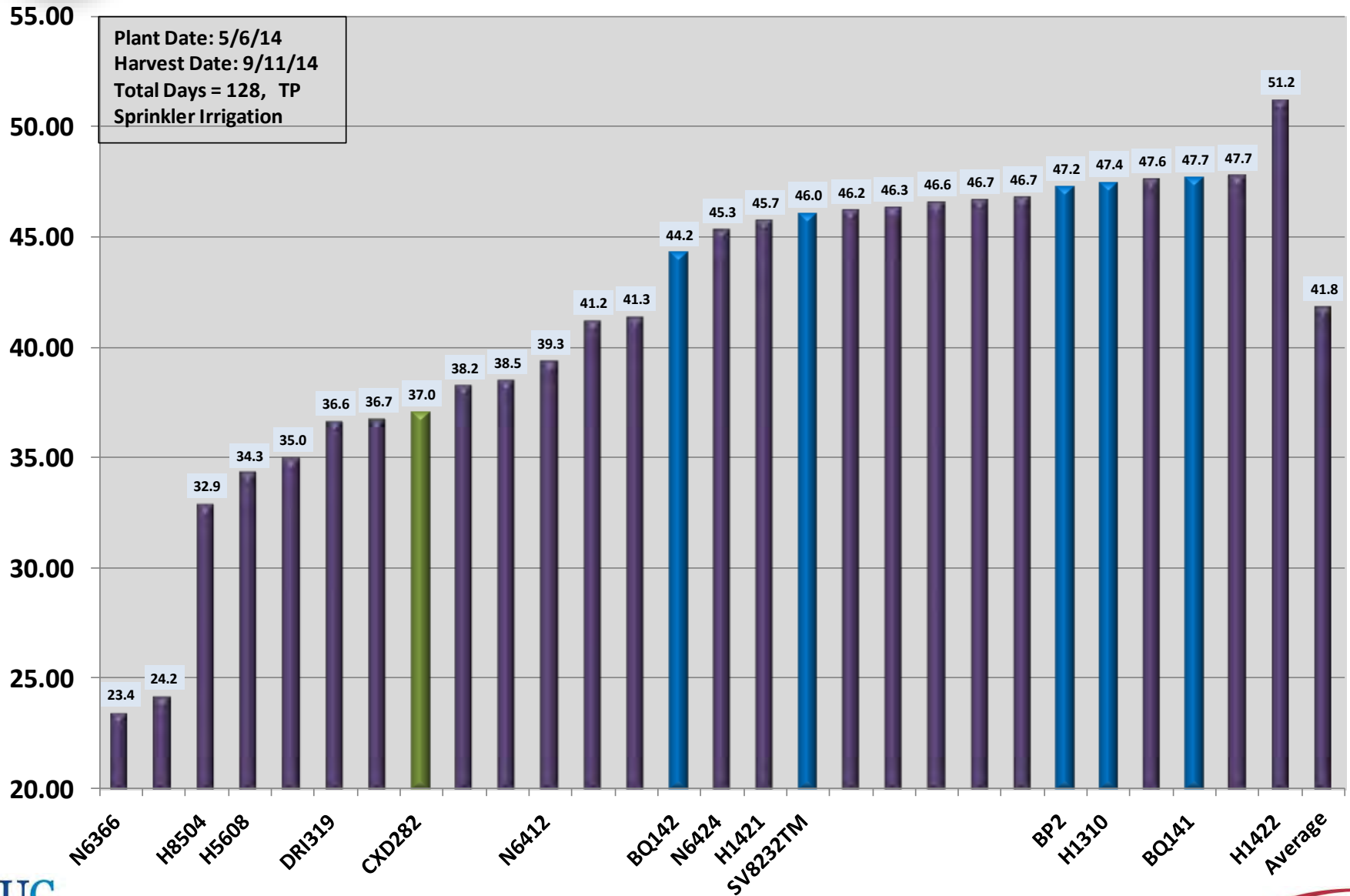
Each variety appears on each bed,
and the front, center and back of each
trial, to better represent field variability.

17	26	10
16	25	9
15	24	8
14	23	7
13	22	6
12	21	5
11	20	4
26	19	3
25	18	2
24	10	1
23	9	17
22	8	16
21	7	15
20	6	14
19	5	13
18	4	12
10	3	11
9	2	26
8	1	25
7	17	24
6	16	23
5	15	22
4	14	21
3	13	20
2	12	19
1	11	18



2014 F3 GT Trial Results

F3 GT Trial #4





2014 F3 GT Trial Results

6 Locations, 18 Data Points

Variety	Average GT Yields Statistical Ranking												Average Yield T/A
BQ141	A												53.69
N6424	A	B											52.85
H1310	A	B	C										52.43
	A	B	C										51.82
	A	B	C	D									51.63
SV2493TM	A	B	C	D									51.57
	A	B	C	D	E								51.21
BP2	A	B	C	D	E								51.18
H1422		B	C	D	E	F							50.27
SV8232TM			C	D	E	F							50.06
H1421			C	D	E	F							50.06
BQ142				D	E	F	G						48.98
BP16					E	F	G						48.86
BP19					E	F	G						48.81
BP20					E	F	G						48.69
						F	G	H					48.11
							G	H	I				47.28
							G	H	I				47.20
DRI319							G	H	I				47.15
H8504							G	H	I				47.14
							G	H	I				46.49
CXD282								H	I	J			45.82
N6412								H	I	J			45.73
									I	J			45.11
										J	K		43.75
											K	L	41.90
N6366												L	40.55
Average													48.46

LSD @ .05 2.71



Typical Adaptive Trial Layout

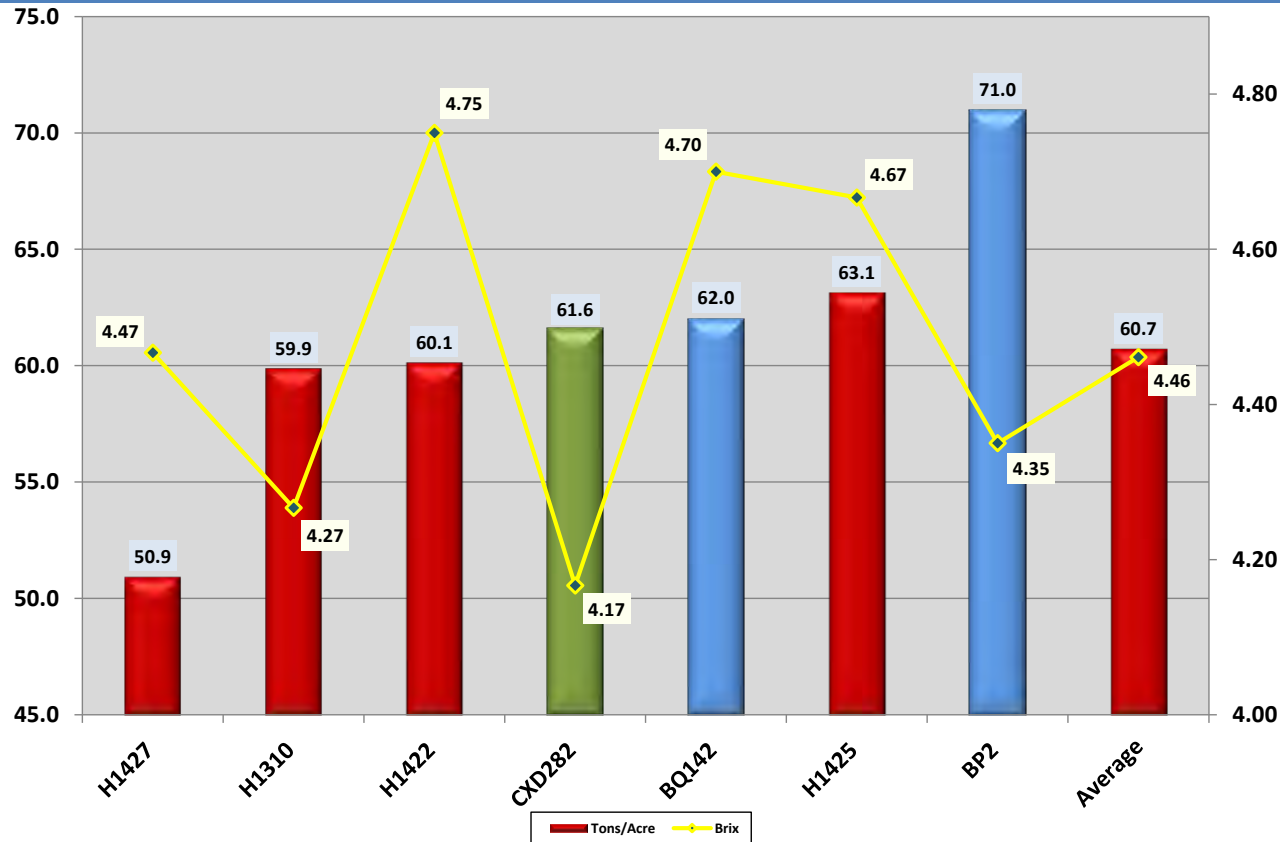
F3 Adaptive

CXD282 3 beds
H1425 3 beds
SV8232TM 3 beds
BQ142 3 beds
H1422 3 beds
H1310 3 beds
BP2 6 beds
H1310 3 beds
H1422 3 beds
BQ142 3 beds
SV8232TM 3 beds
H1425 3 beds
CXD282 3 beds

42 Beds

Plant Date: 4/22/14
 Harvest Date: 8/22/14
 Total Days = 122
 Drip Irrigation
 Plants/Acre = 9,000

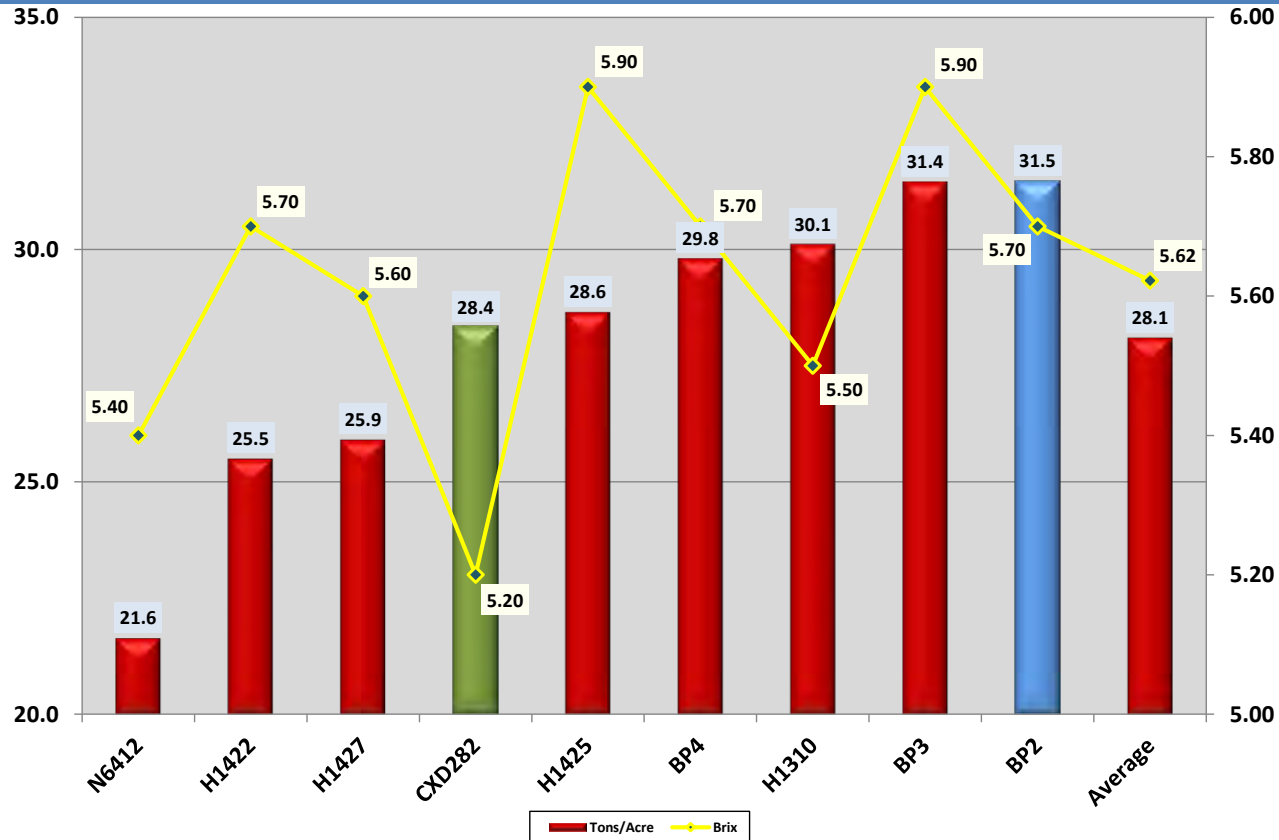
Yolo County, F3 Adaptive #1



Variety	Tons/Ac	Mold	Green	LU	Comm	Brix	pH
H1427	50.93	0.67	1.67	2.50	23.00	4.47	4.48
H1310	59.87	1.17	2.00	0.17	25.67	4.27	4.33
H1422	60.12	0.50	1.50	1.25	25.00	4.75	4.42
CXD282	61.62	0.67	1.83	0.00	24.00	4.17	4.39
BQ142	62.02	1.50	3.50	3.25	23.50	4.70	4.50
H1425	63.12	0.50	2.33	1.83	23.00	4.67	4.52
BP2	70.98	1.00	3.25	0.75	25.00	4.35	4.33
Average	60.72	0.83	2.22	1.33	24.11	4.46	4.43

Plant Date: 4/24/14
 Harvest Date: 8/18/14
 Total Days = 118
 Furrow Irrigation
 Plants/Acre = 8,000

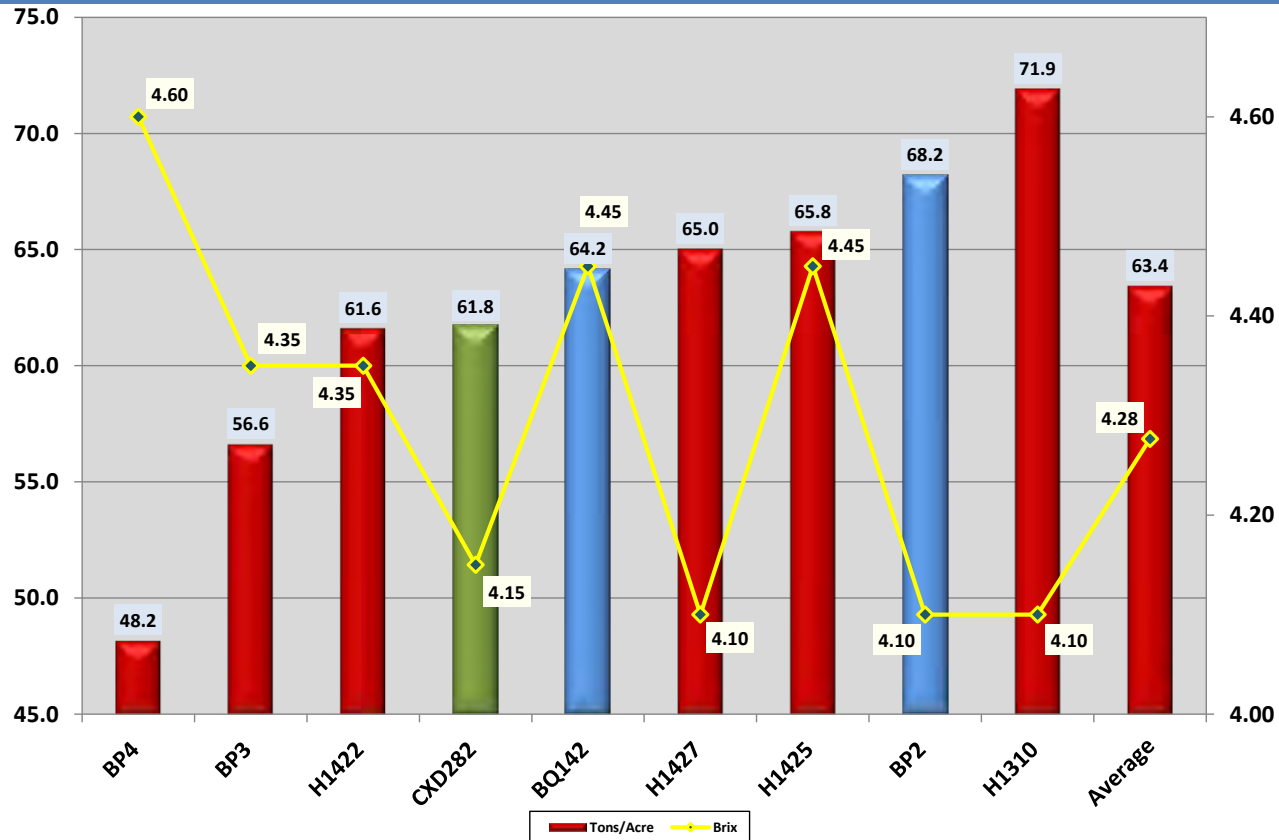
Yolo County, F3 Adaptive #2



Variety	Tons/Ac	Mold	Green	LU	Comm	Brix	pH
N6412	21.64	0.50	1.00	2.50	22.00	5.40	4.55
H1422	25.49	0.00	0.00	1.50	25.00	5.70	4.49
H1427	25.90	0.00	0.50	1.50	22.00	5.60	4.56
CXD282	28.35	0.00	1.50	1.00	23.00	5.20	4.41
H1425	28.64	0.50	0.50	2.00	23.00	5.90	4.63
BP4	29.80	0.50	1.00	5.50	23.00	5.70	4.49
H1310	30.11	1.00	1.00	3.50	23.00	5.50	4.51
BP3	31.45	1.00	1.00	1.50	23.00	5.90	4.49
BP2	31.47	1.00	0.50	1.00	23.00	5.70	4.47
Average	28.10	0.50	0.78	2.22	23.00	5.62	4.51

Plant Date: 4/28/14
 Harvest Date: 9/5/14
 Total Days = 130
 Drip Irrigation
 Plants/Acre = 8,700

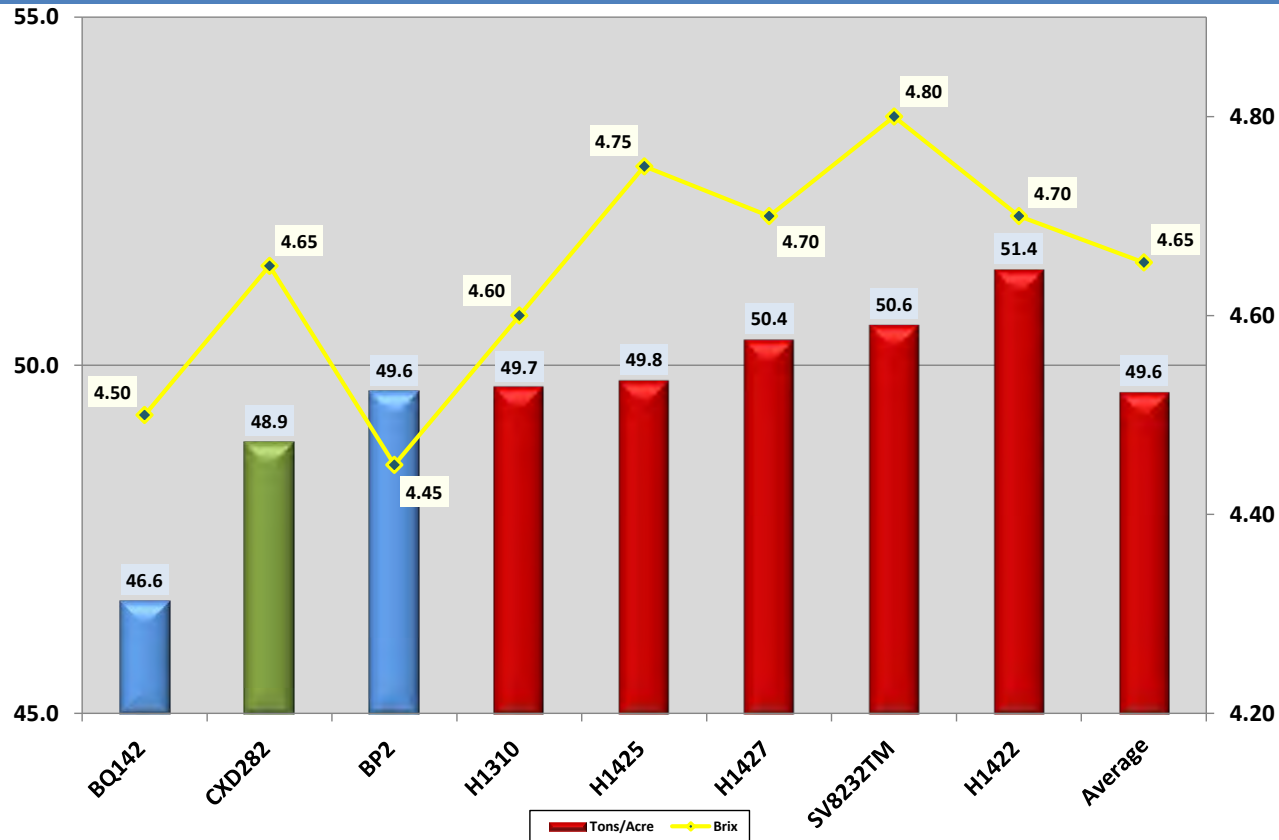
Yolo County, F3 Adaptive #3



Variety	Tons/Ac	Brix	Mold	LU	Comm	Green	pH
BP4	48.17	4.60	13.00	0.50	27.00	5.50	4.21
BP3	56.61	4.35	5.50	0.50	25.00	3.00	4.45
H1422	61.60	4.35	1.25	0.75	25.50	3.00	4.31
CXD282	61.75	4.15	3.25	1.25	24.00	1.00	4.35
BQ142	64.15	4.45	7.00	3.00	29.00	3.00	4.46
H1427	65.01	4.10	3.00	2.25	22.00	2.00	4.43
H1425	65.77	4.45	0.25	1.50	27.50	2.00	4.35
BP2	68.20	4.10	2.75	0.25	26.50	1.50	4.44
H1310	71.90	4.10	1.75	0.25	24.00	2.75	4.38
Average	63.42	4.28	3.68	1.18	25.53	2.47	4.38

Plant Date: 5/6/14
 Harvest Date: 9/4/14
 Total Days = 121
 Sprinkler Irrigation
 Plants/Acre = 8,250

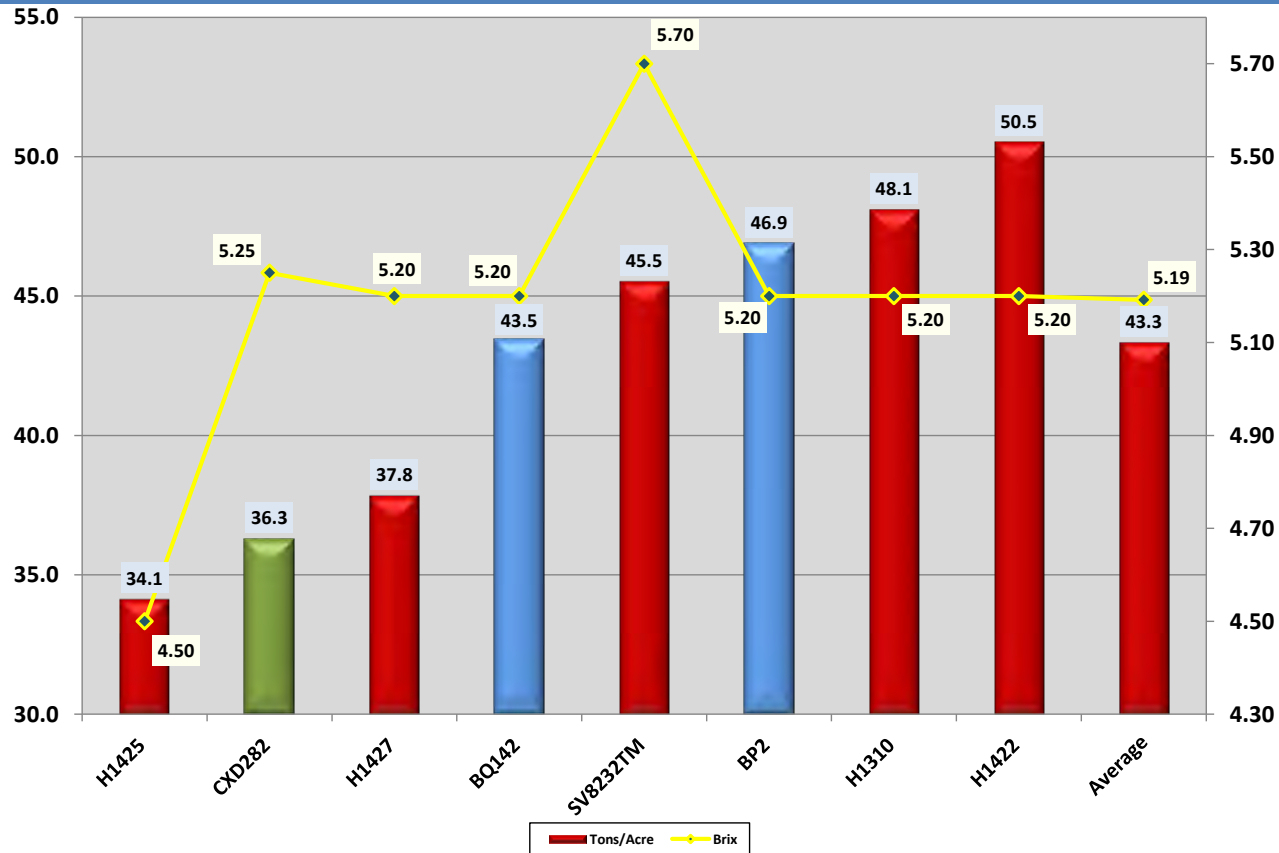
Sutter County, F3 Adaptive #4



Variety	Tons/Ac	Mold	Green	LU	Comm	Brix	pH
BQ142	46.61	1.25	2.25	5.50	24.00	4.50	4.47
CXD282	48.90	4.00	1.75	1.00	25.00	4.65	4.38
BP2	49.62	1.75	0.25	1.75	23.50	4.45	4.49
H1310	49.70	2.25	1.25	1.50	25.50	4.60	4.43
H1425	49.79	2.00	1.00	3.75	24.50	4.75	4.52
H1427	50.37	0.75	0.75	3.50	23.00	4.70	4.37
SV8232TM	50.58	2.00	0.25	5.50	22.00	4.80	4.41
H1422	51.38	1.25	1.25	1.00	27.50	4.70	4.31
Average	49.62	1.91	1.09	2.94	24.38	4.65	4.42

Plant Date: 5/6/14
Harvest Date: 9/11/14
Total Days = 128
Sprinkler Irrigation
Plants/Acre = 8,500

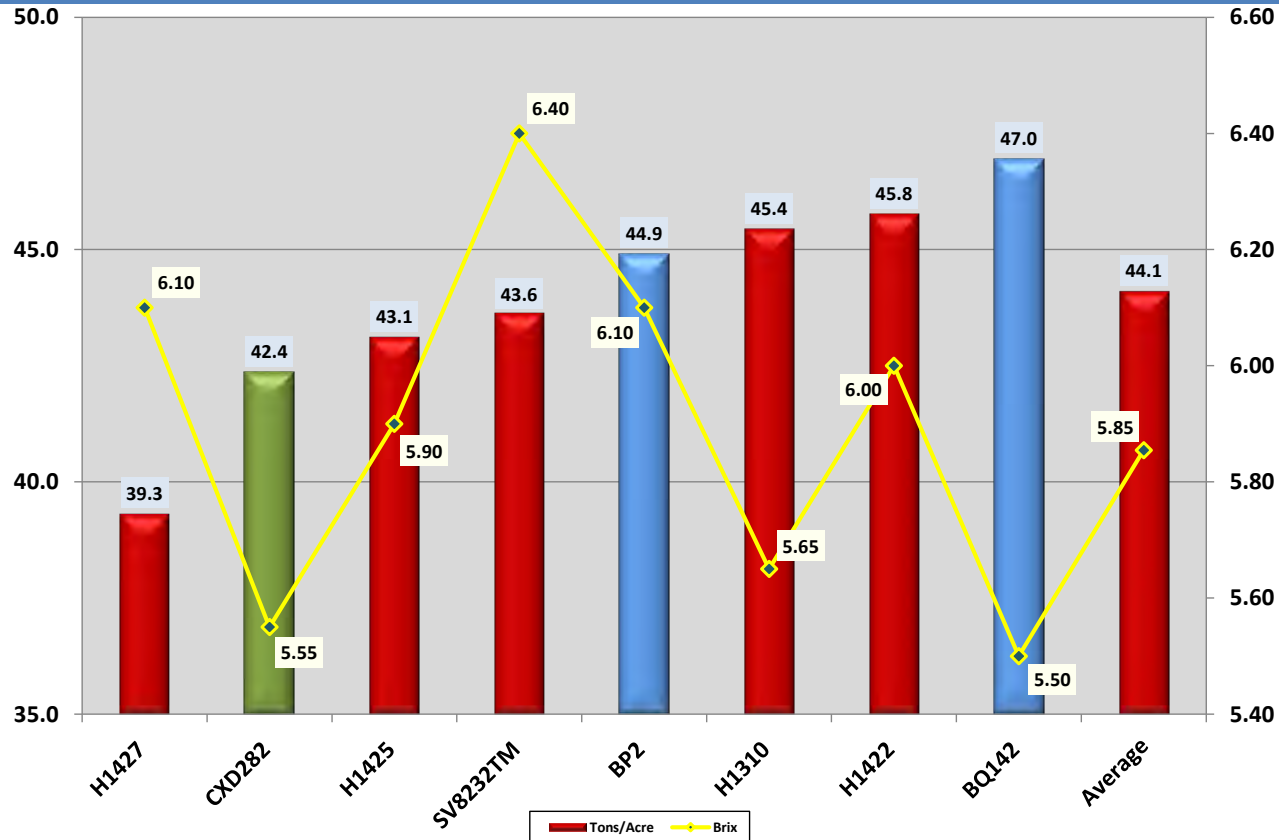
Sutter County, F3 Adaptive #5



Variety	Tons/Ac	Mold	Green	LU	Comm	Brix	pH
H1425	34.14	5.00	1.50	5.50	24.00	4.50	4.45
CXD282	36.30	12.00	1.75	2.00	23.00	5.25	4.47
H1427	37.85	3.00	1.00	1.50	22.00	5.20	4.49
BQ142	43.47	3.75	2.25	7.75	26.00	5.20	4.40
SV8232TM	45.53	11.50	2.50	3.50	21.00	5.70	4.29
BP2	46.89	3.75	1.00	3.00	22.00	5.20	4.53
H1310	48.10	3.50	0.50	0.50	22.00	5.20	4.48
H1422	50.53	2.75	0.75	1.25	23.00	5.20	4.43
Average	43.33	5.63	1.42	3.25	23.08	5.19	4.45

Plant Date: 5/20/14
 Harvest Date: 9/17/14
 Total Days = 120
 Sprinkler Irrigation
 Plants/Acre = 7,650

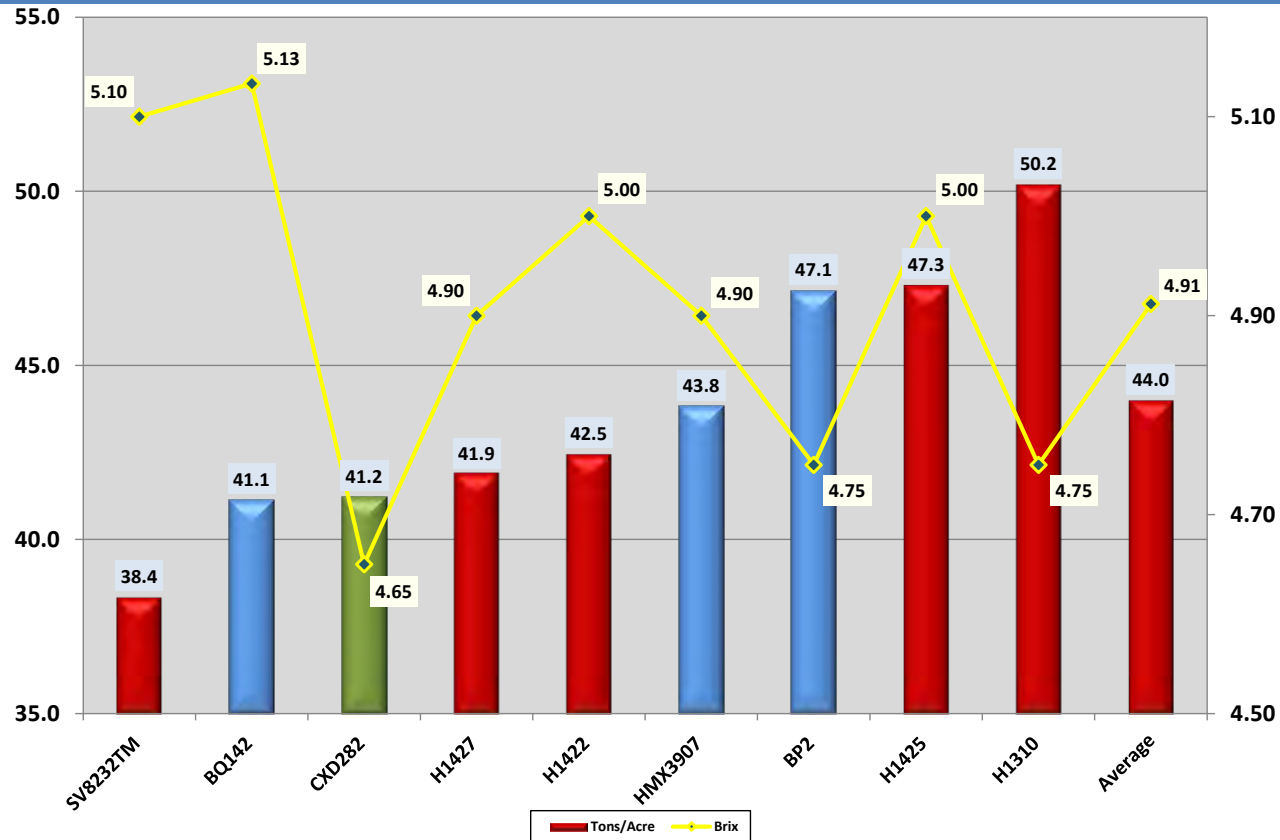
Yolo County, F3 Adaptive #6



Variety	Tons/Ac	Mold	Green	LU	Comm	Brix	pH
H1427	39.32	2.50	3.00	0.00	21.00	6.10	4.32
CXD282	42.36	2.00	2.25	1.00	23.50	5.55	4.34
H1425	43.12	1.50	1.50	2.00	29.00	5.90	4.33
SV8232TM	43.63	2.50	1.50	1.50	22.00	6.40	4.35
BP2	44.91	1.00	3.50	0.50	27.00	6.10	4.34
H1310	45.44	2.00	2.25	0.25	24.50	5.65	4.31
H1422	45.76	2.25	3.00	0.25	25.00	6.00	4.33
BQ142	46.95	3.00	3.50	4.00	22.00	5.50	4.34
Average	44.10	2.09	2.55	1.00	24.27	5.85	4.33

Plant Date: 5/28/14
Harvest Date: 9/23/14
Total Days = 118
Furrow Irrigation
Plants/Acre = 8,712

Sutter County, F3 Adaptive #7



Variety	Tons/Ac	Mold	Green	LU	Comm	Brix	pH
SV8232TM	38.35	1.50	3.50	2.00	23.00	5.10	4.32
BQ142	41.14	1.67	7.17	1.50	27.33	5.13	4.38
CXD282	41.23	0.25	3.25	0.75	25.50	4.65	4.36
H1427	41.93	2.50	3.50	2.50	22.00	4.90	4.42
H1422	42.46	1.00	3.50	1.00	27.50	5.00	4.31
HMX3907	43.82	2.50	6.25	3.50	25.00	4.90	4.40
BP2	47.15	1.00	8.00	0.75	27.00	4.75	4.38
H1425	47.31	1.25	4.25	4.50	24.00	5.00	4.48
H1310	50.19	2.50	4.00	0.50	25.00	4.75	4.36
Average	44.00	1.53	5.12	1.82	25.59	4.91	4.38



2014 Adaptive & GT Trial

F3 Yield Correlation

**Adaptive trial and GT trial configuration
when planted in same location**

Adaptive Trial Map

CXD282 3 beds
H1425 3 beds
SV8232TM 3 beds
BQ142 3 beds
H1422 3 beds
H1310 3 beds
BP2 3 beds
F3 GT Trial 3 beds
BP2 3 beds
H1310 3 beds
H1422 3 beds
BQ142 3 beds
SV8232TM 3 beds
H1425 3 beds
CXD282 3 beds

45 Beds

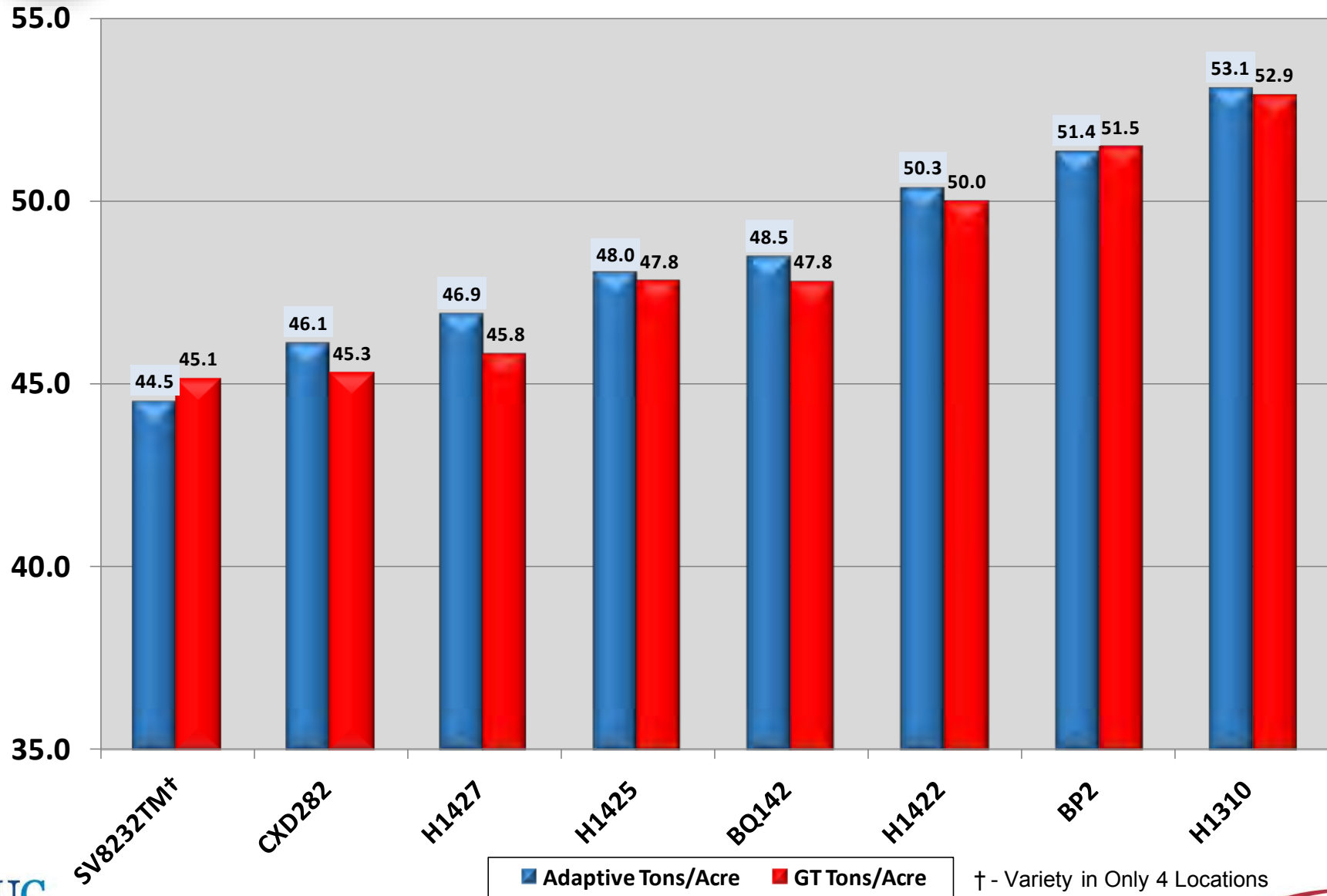
GT Trial Map

17	26	10
16	25	9
15	24	8
14	23	7
13	22	6
12	21	5
11	20	4
26	19	3
25	18	2
24	10	1
23	9	17
22	8	16
21	7	15
20	6	14
19	5	13
18	4	12
10	3	11
9	2	26
8	1	25
7	17	24
6	16	23
5	15	22
4	14	21
3	13	20
2	12	19
1	11	18



Adaptive and GT Trial Correlation

Average of 5 Trials



California Processing Tomato Harvest

Northern Variety Use Summary: F3 (3.2%)

2013 North State PTAB Loads

Based on Final PTAB Reports

Variety	Supplier	Category	Total Loads	Solids	Color	LU	pH	Mold	Green
CXD282	Harris Moran	F3	3,112	5.26	23.9	0.9	4.41	3.3	2.1
AB0306	Seminis	F3	554	5.58	25.2	4.2	4.44	2.3	1.6



California Processing Tomato Harvest

Northern Variety Use Summary: F3 (3.63%)

2014 North State PTAB Loads

Based on Final PTAB Reports

Variety	Supplier	Category	Total Loads	Solids	Color	LU	Mold	pH
CXD282	Harris Moran	F3	3,377	4.79	24.24	1.12	2.74	4.35
N6412	Nunhems	F3	1,278	5.10	24.39	4.22	2.16	4.41
H1304	Heinz	F3	130	5.51	24.34	4.98	2.13	4.41
SV8232TM	Seminis	F3	112	5.60	23.34	3.76	1.83	4.37
BP2	BHN	F3	110	4.93	24.74	1.93	1.30	4.46
H1310	Heinz	F3	72	5.27	23.90	2.13	2.11	4.40
BQ142	Woodbridge	F3	8	4.66	24.86	3.94	2.74	4.44
H1427	Heinz	F3	7	5.02	22.76	2.90	0.84	4.46
H1425	Heinz	F3	6	4.92	23.33	1.83	0.67	4.52
H1422	Heinz	F3	1	5.70	25.00	1.50	0.00	4.49

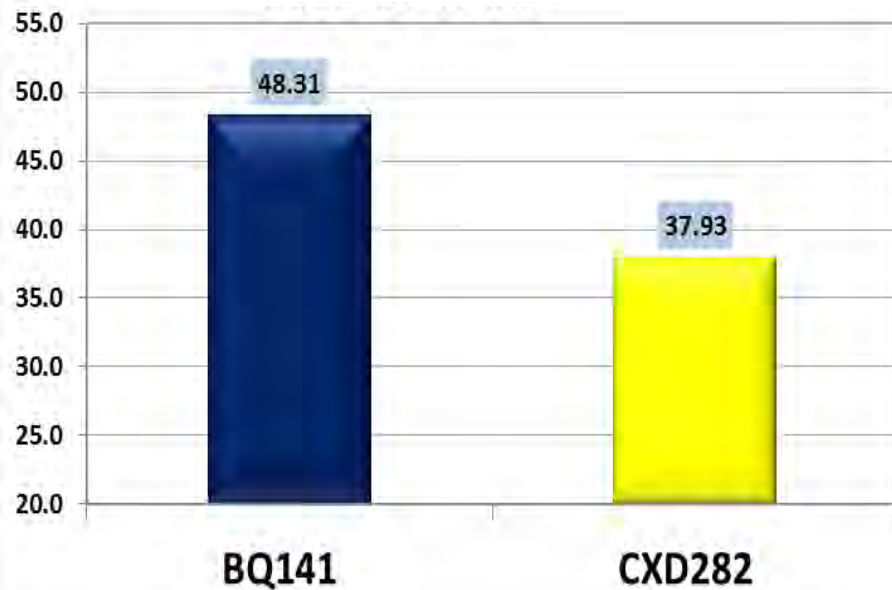


2015 New Commercial Variety BQ141- 2 Year Analysis

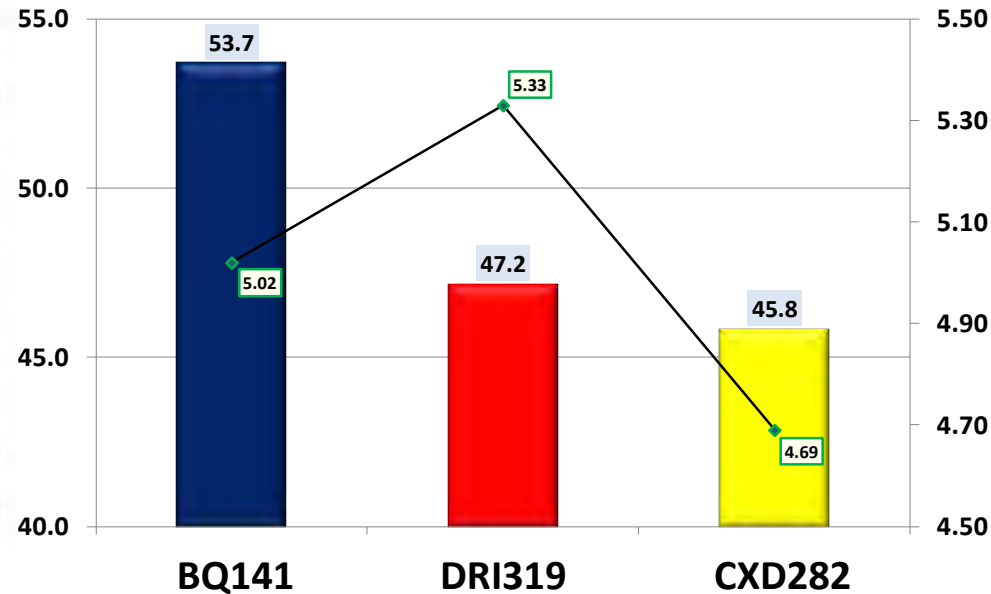


• FFF • TSW • Yield • Strong Vine

2013 Average GT Trials Yield



2014 Average GT Trials Yield



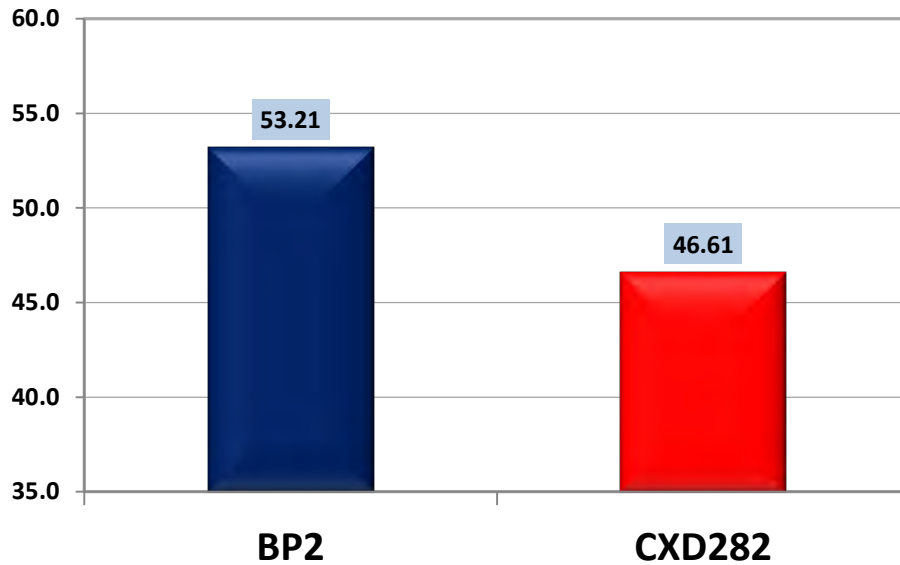


2015 New Commercial Variety BP2 – 2 Year Analysis

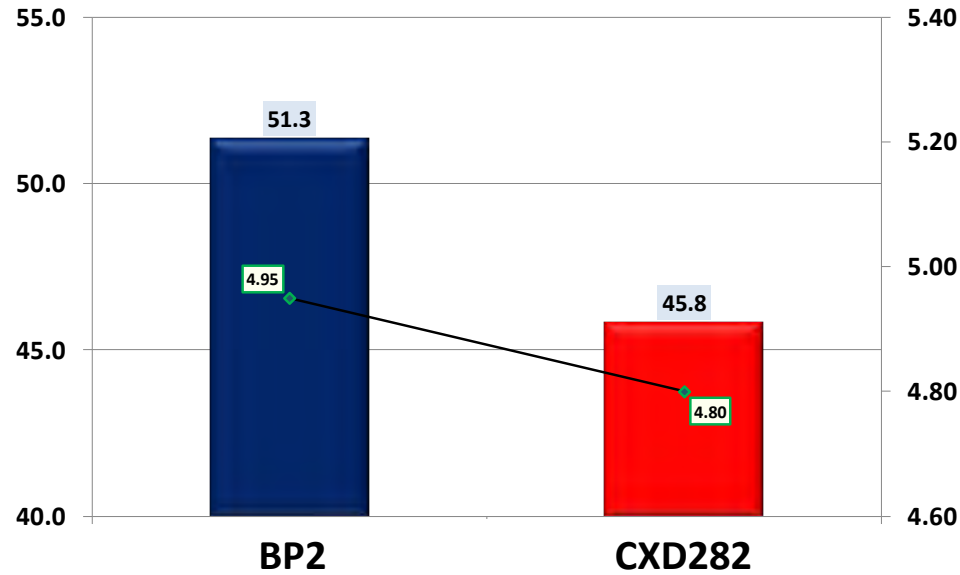


- FFF • TSW • Yield • Strong Vine

2013 Average GT Trials Yield



2014 Average Adaptive Trials Yield



Average of 7 F3 Adaptive Trials

2014

Variety	Mold	Green	Lim	Comm	Brix	pH
BP2	1.75	2.57	1.14	24.86	4.95	4.43
CXD282	3.17	1.90	1.00	24.00	4.80	4.39

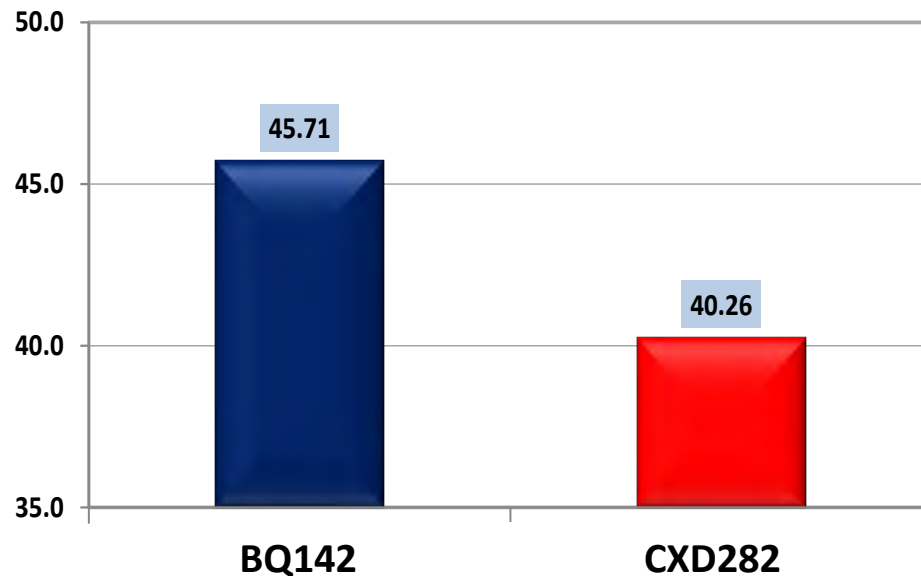


2015 New Commercial Variety BQ142 – 2 Year Analysis

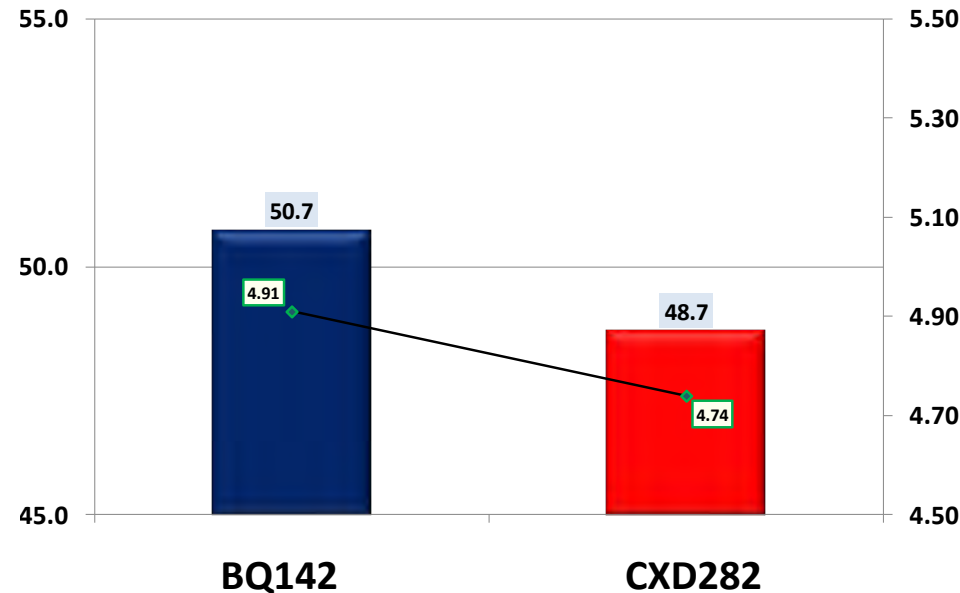


• FFF • TSW • Adaptable • Strong Vine

2013 Average GT Trials Yield



2014 Average Adaptive Trials Yield



Average of 6 F3 Adaptive Trials

2014

Variety	Mold	Green	Lim	Comm	Brix	pH
BQ142	3.03	3.61	4.17	25.31	4.91	4.43
CXD282	3.70	1.97	1.00	24.17	4.74	4.38

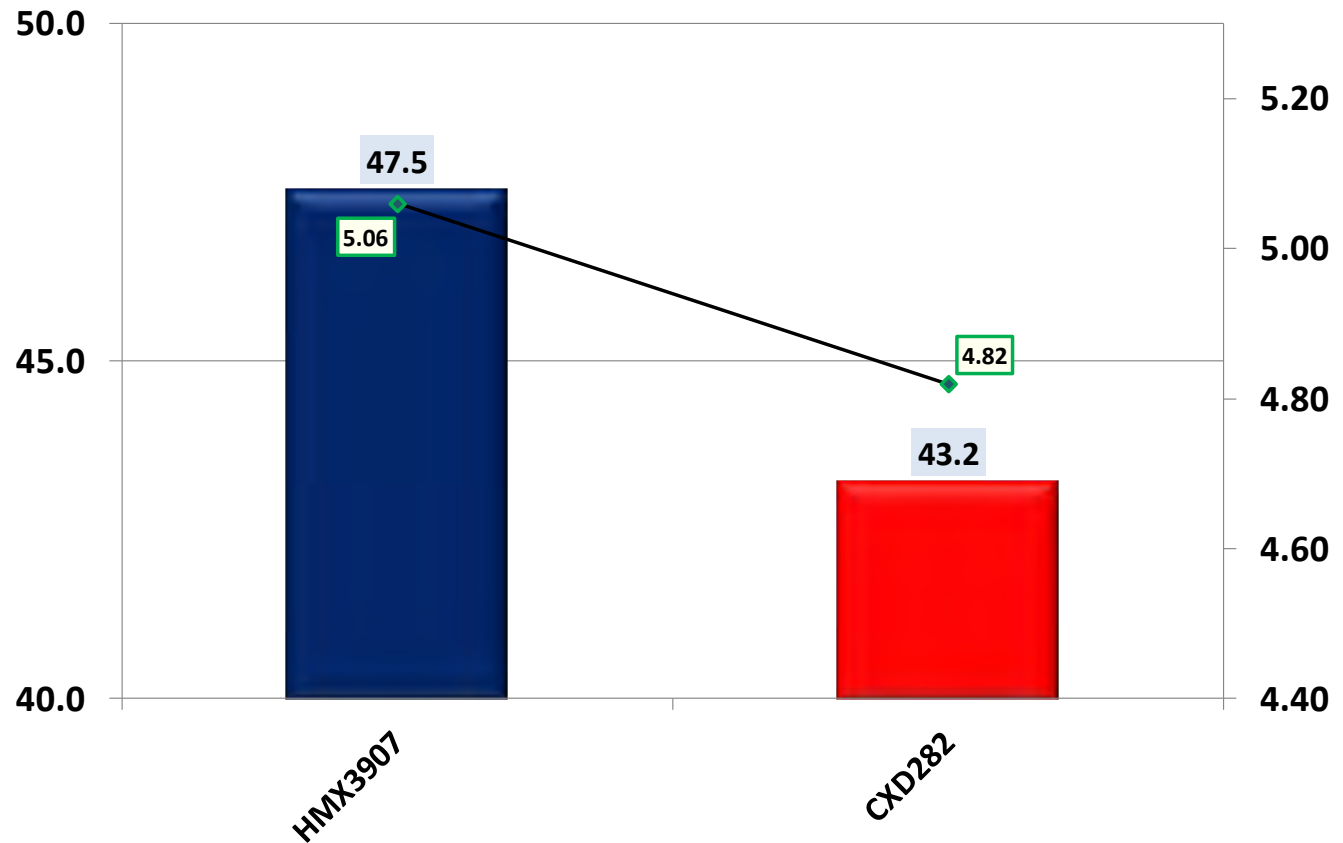


2015 New Commercial Variety HMX3907



F3 Resistant

Average Yield & Brix of 6 F3 GT Trials



- FFF
- Yield
- Adaptable



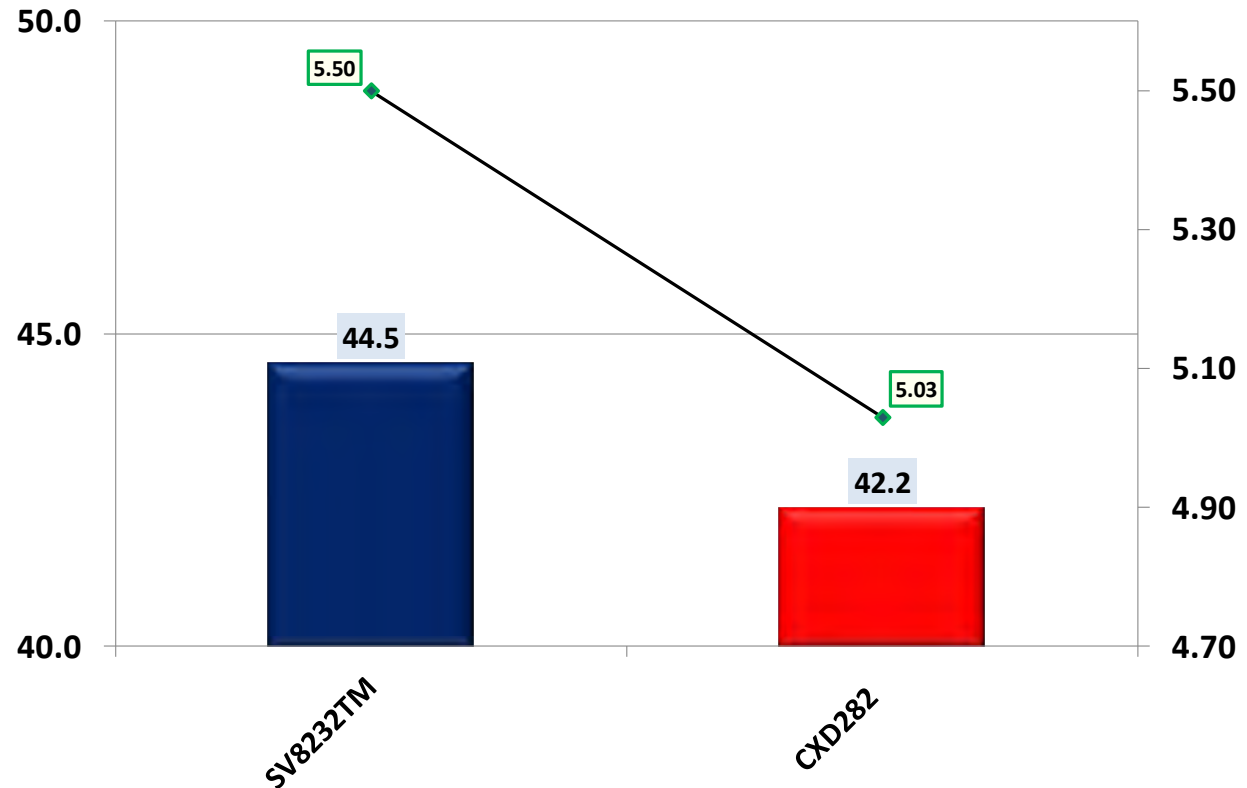
2015 New Commercial Variety SV8232TM



Average Yield & Brix of 4 F3 Adaptive Trials

F3 Resistant

- FFF
- TSW
- Brix
- Adaptable



Average of 4 F3 Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
SV8232TM	4.38	1.94	3.13	22.00	5.50	4.34
CXD282	4.56	2.25	1.19	24.25	5.03	4.39



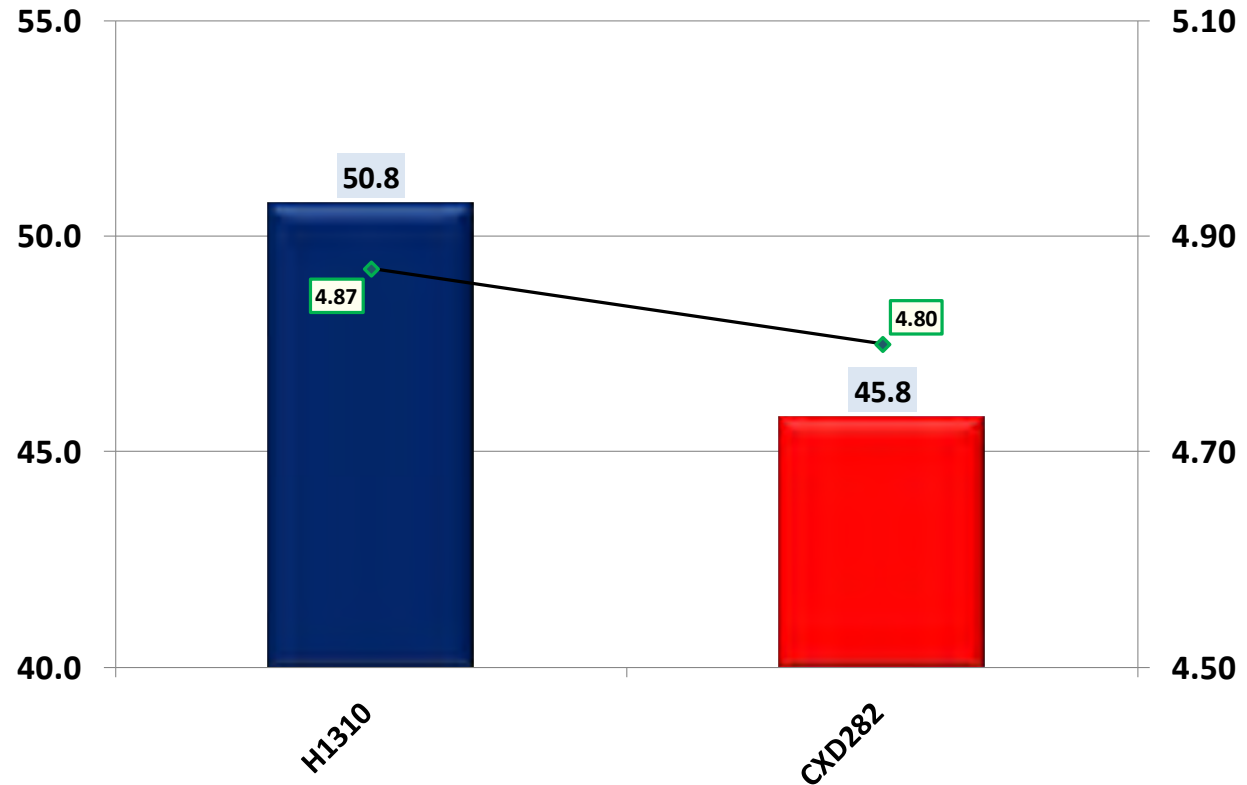
2015 New Commercial Variety H1310



F3 Resistant

- FFF
- EFS
- Yield
- TSW

Average Yield & Brix of 7 F3 Adaptive Trials



Average of 7 F3 Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
H1310	2.02	1.96	0.95	24.24	4.87	4.40
CXD282	3.17	1.90	1.00	24.00	4.80	4.39



2015 New Commercial Varieties

Fusarium Wilt Race 3

Variety	Maturity	Dis/Res	Comments
BQ141	120	VFFFNPtsw	TSW, Strong Vine, for 2nd year in a row was top yielder in F3 trials
BP2	125	VFFFNPtsw	TSW, Strong Vine, Yielded 5 tons/acre more than CXD282 for second year in a row
BQ142	120	VFFFNPtsw	TSW, Strong Vine, Yielded 5 tons/acre more than CXD282 in 2 year average



2015 Adaptive Varieties

Fusarium Wilt Race 3

Variety	Maturity	Dis/Res	Comments
SV8232TM	125	VFFFNptsw	TSW, Good brix and field performance
H1310	128	VFFFNptsw	TSW, for 2nd year in a row was top second highest yielder in F3 trials
N6424	125	VFFFNtsw	TSW, one of the top yielders in 2014 F3 GT trials
SV2493TM	122	VFFFNptsw	TSW, one of the top yielders in 2014 F3 GT trials
H1422	125	VFFFNp	Strong Vine, one of the top yielders in 2014 F3 GT trials
BP13	115	VFFFNptsw	TSW, Second Early
HMX4887	122	VFFN	Strong Performer, Sister of HM3907
BP16	125	VFFFNptsw	TSW, Good Performer in 2014 F3 Gt trials

2015 New Commercial Varieties





California Processing Tomato Harvest

Northern Variety Use Summary: Early (12.22%)

Based on Final PTAB Reports

Variety	Supplier	Category	Total Loads	Solids	Color	LU	Mold	pH
N6397	Nunhems	Early	4,764	5.10	23.77	1.59	0.81	4.44
H1015	Heinz	Early	3,929	5.06	24.29	1.18	0.64	4.43
APT410	Seminis	Early	2,722	4.88	25.32	2.77	0.51	4.38
Shasta	Harris Moran	Early	1,557	5.35	25.42	2.76	0.41	4.27
H5003	Heinz	Early	1,022	5.15	23.70	4.27	0.70	4.49
SV0599TM	Seminis	Early	968	4.99	27.20	1.20	0.54	4.36
HM1893	Harris Moran	Early	957	5.03	25.54	2.80	0.52	4.32
N6416	Nunhems	Early	627	5.00	24.95	1.00	0.37	4.33
BOS66509	Orsetti	Early	186	5.22	25.07	3.09	1.28	4.48
HP816	Seminis	Early	159	5.43	26.70	7.30	0.70	4.40
H1301	Heinz	Early	145	4.96	26.50	0.83	0.08	4.46
H9280	Heinz	Early	82	4.46	27.00	1.90	0.70	4.37
BP1	BHN	Early	13	5.00	23.92	2.38	0.30	4.41
HMX4895	Harris Moran	Early	12	4.93	25.23	4.70	0.17	4.38
BQ273	Woodbridge	Early	5	4.82	24.80	1.40	0.10	4.34



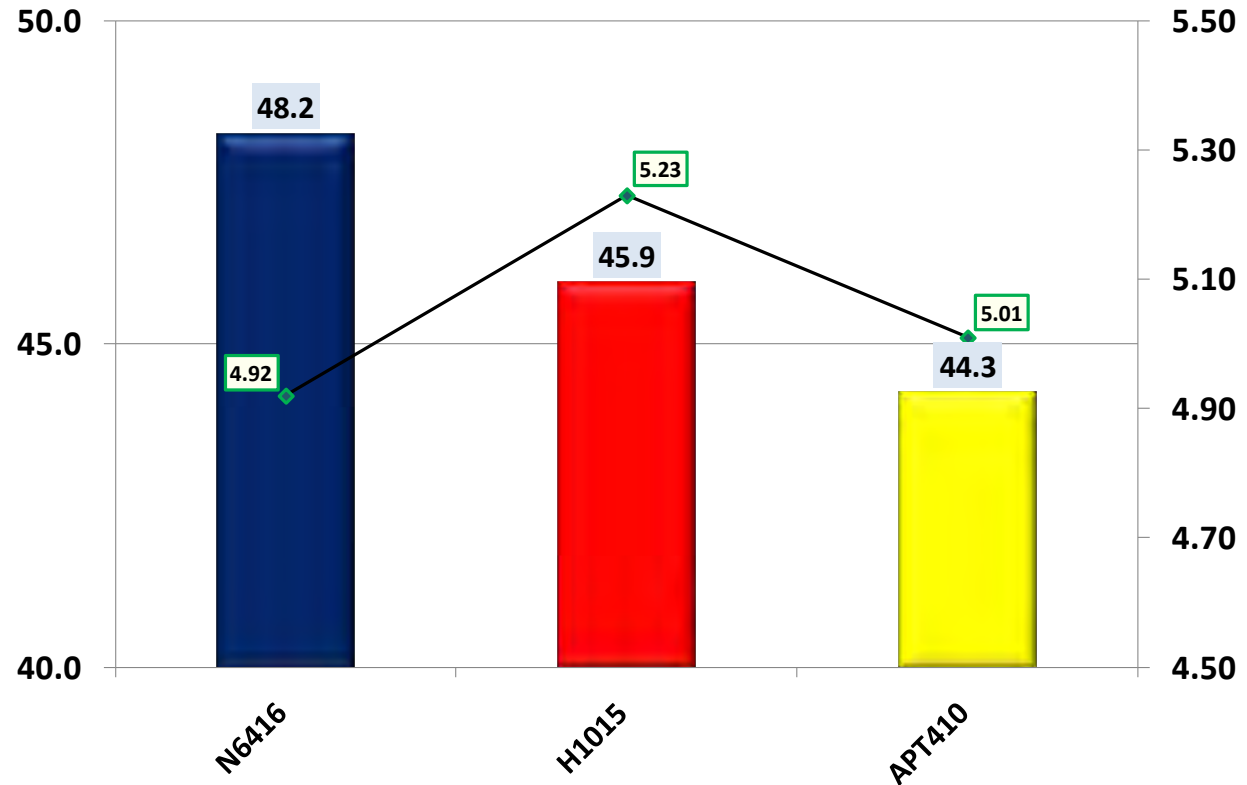
2015 Commercial Variety N6416



Average Yield & Brix of 8 Early Adaptive Trials

Early Maturity

- 1ST Early
- TSW
- Yield
- Nice Vine



Average of 8 Early Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
N6416	0.08	2.01	1.42	24.31	4.92	4.38
H1015	0.04	1.95	0.64	24.72	5.23	4.44
APT410	0.13	1.25	2.25	23.67	5.01	4.36



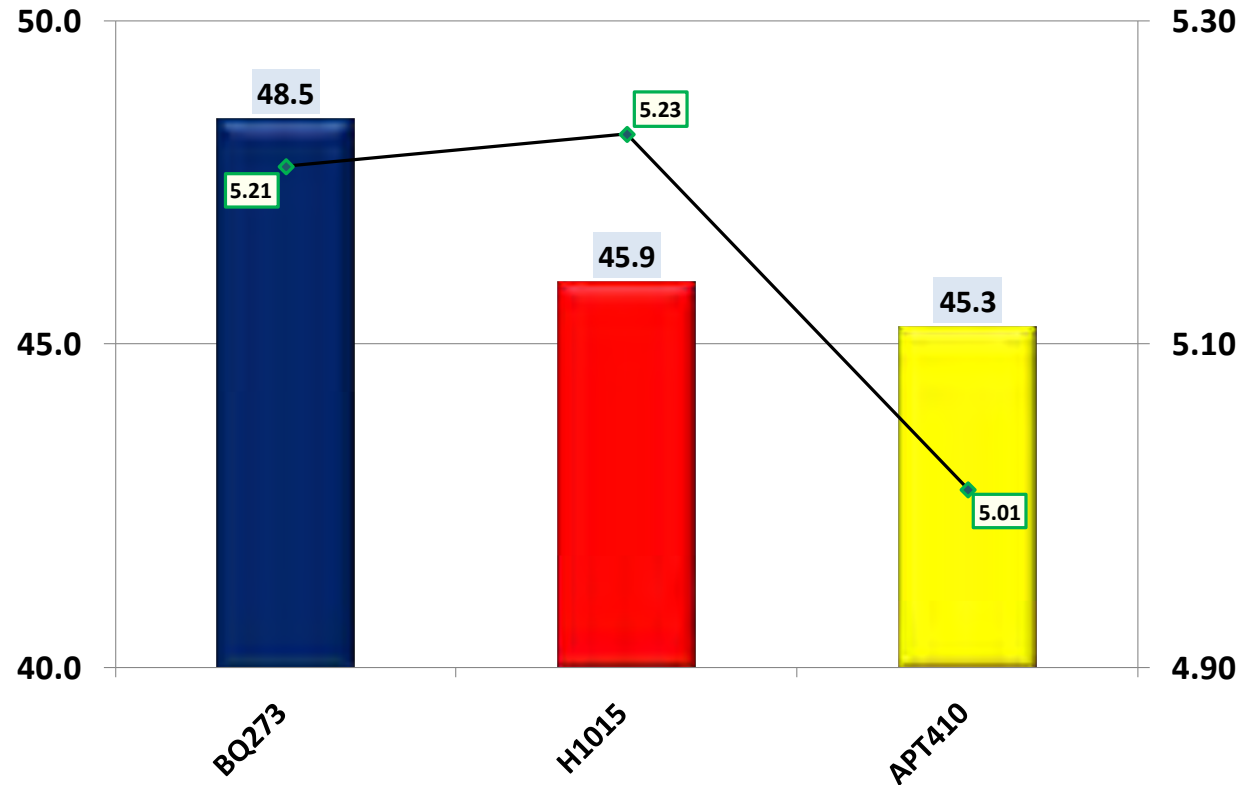
2015 New Commercial Variety BQ273



Average Yield & Brix of 7 Early Adaptive Trials

Early Maturity

- TSW
- Yield
- Strong Vine
- Ostwald



Average of 7 Early Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
BQ273	0.17	2.64	0.83	24.89	5.21	4.34
H1015	0.04	1.95	0.64	24.72	5.23	4.44
APT410	0.13	1.25	2.25	23.67	5.01	4.36



California Processing Tomato Harvest

Northern Variety Use Summary: Mid-Season (42.95%)

Based on Final PTAB Reports

Variety	Supplier	Category	Total Loads	Solids	Color	LU	Mold	pH
H5608	Heinz	Mid-Season	17,950	4.61	23.66	0.90	2.40	4.38
DRI319	Seminis	Mid-Season	7,727	5.57	24.49	1.90	1.40	4.33
N6404	Nunhems	Mid-Season	6,551	4.86	24.76	1.99	1.46	4.40
N6366	Nunhems	Mid-Season	6,348	5.07	24.86	2.15	1.08	4.41
N6402	Nunhems	Mid-Season	4,719	5.06	24.60	1.36	1.12	4.39
AB0311	Seminis	Mid-Season	4,042	5.45	23.88	1.25	1.67	4.34
CXD255	Harris Moran	Mid-Season	3,624	4.99	25.30	1.41	1.19	4.35
UG19406	United Genetics	Mid-Season	2,807	5.03	24.25	0.66	1.56	4.25
BQ206	Woodbridge	Mid-Season	1,980	5.11	25.07	1.91	1.23	4.29
BQ205	Woodbridge	Mid-Season	1,755	5.33	25.50	2.26	0.94	4.33
UG16609	United Genetics	Mid-Season	601	5.07	25.32	2.64	0.61	4.32
AB2	Seminis	Mid-Season	507	5.44	23.97	2.14	1.21	4.30
H1161	Heinz	Mid-Season	501	5.27	25.14	2.02	1.97	4.32
BQ163	Woodbridge	Mid-Season	394	5.26	24.85	2.08	0.34	4.35
BQ296	Woodbridge	Mid-Season	176	5.36	24.56	2.31	2.41	4.34
H9663	Heinz	Mid-Season	156	5.22	22.60	0.80	1.80	4.31
N6394	Nunhems	Mid-Season	122	4.44	25.38	0.80	1.99	4.41



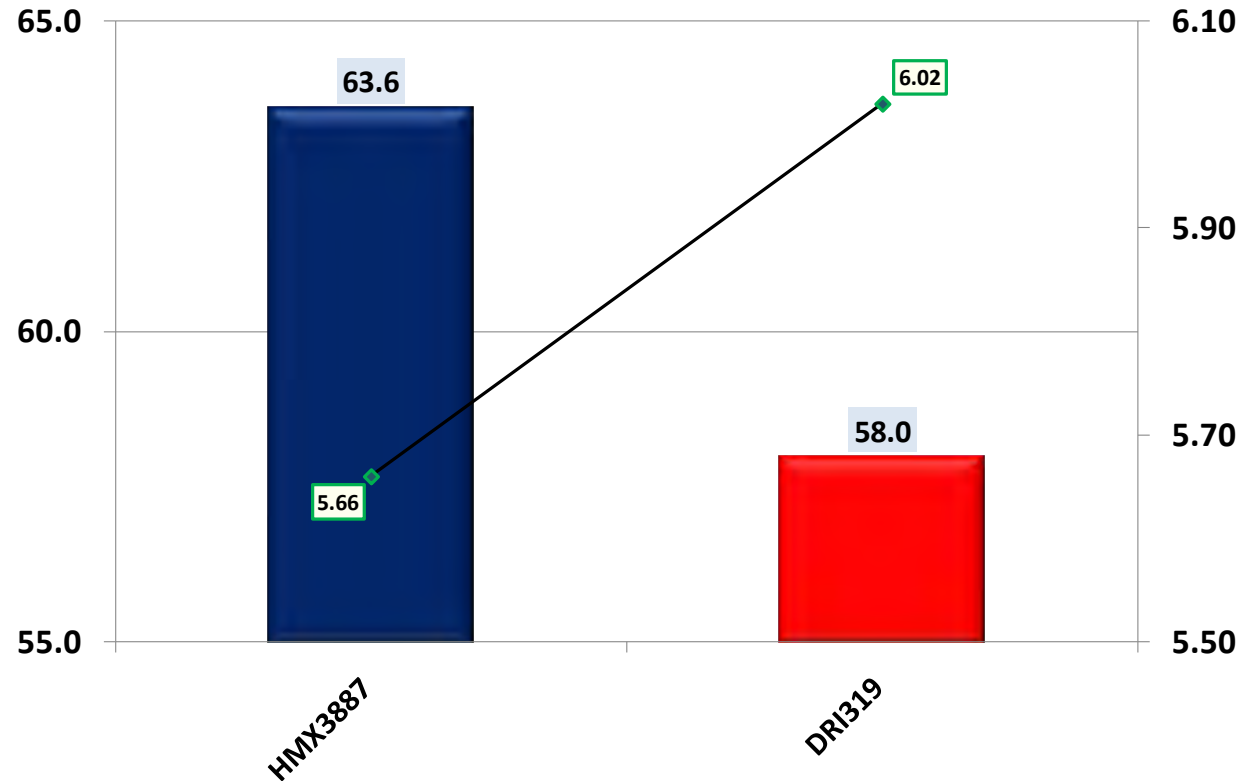
2015 New Commercial Variety HMX3887



Average Yield & Brix of 12 Adaptive Trials

Mid Season

- Yield
- Strong Vine
- TSW
- Adaptable



Average of 12 Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
HMX3887	0.86	2.85	0.88	25.48	5.66	4.35
DRI319	0.79	2.26	1.36	24.37	6.02	4.32

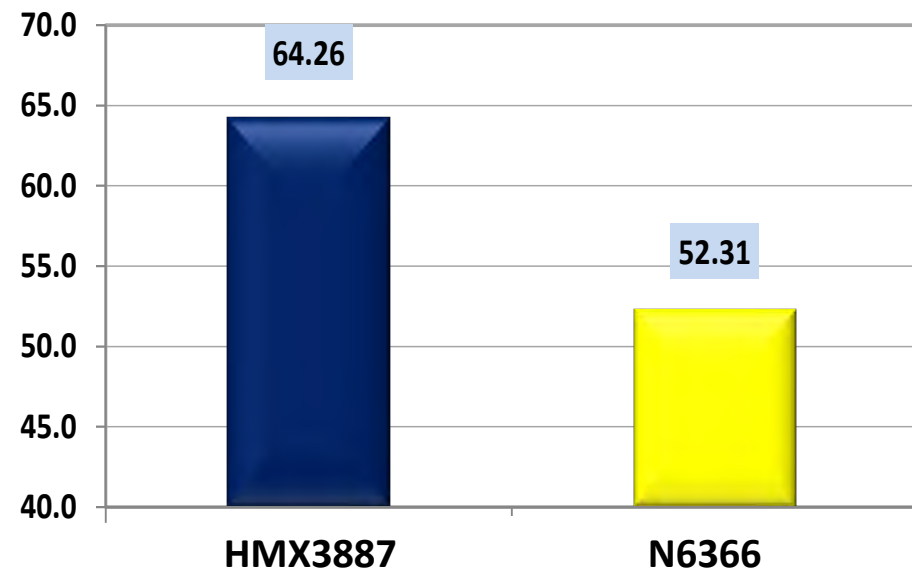


2015 New Commercial Variety HMX3887 – 2 Year Analysis

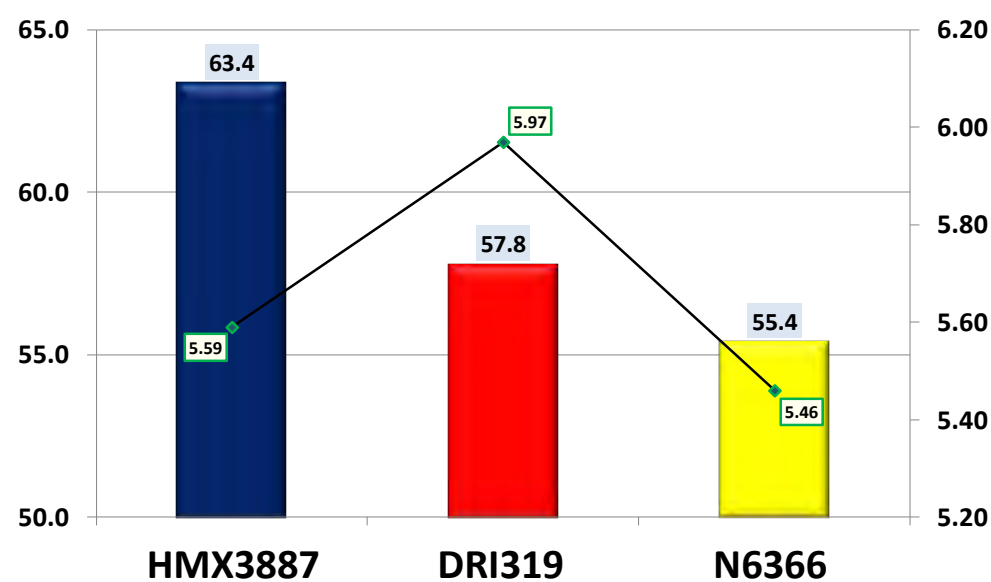


- Yield • TSW • Adaptable • Strong Vine

2013 Average GT Trials Yield



2014 Average Adaptive Trials Yield



Average of 10 Adaptive Trials

2014

Variety	Mold	Green	Lim	Comm	Brix	pH
HMX3887	0.83	3.10	0.83	25.68	5.59	4.34
DRI319	0.83	2.52	1.17	24.58	5.97	4.32
N6366	1.49	0.80	1.21	23.27	5.46	4.40



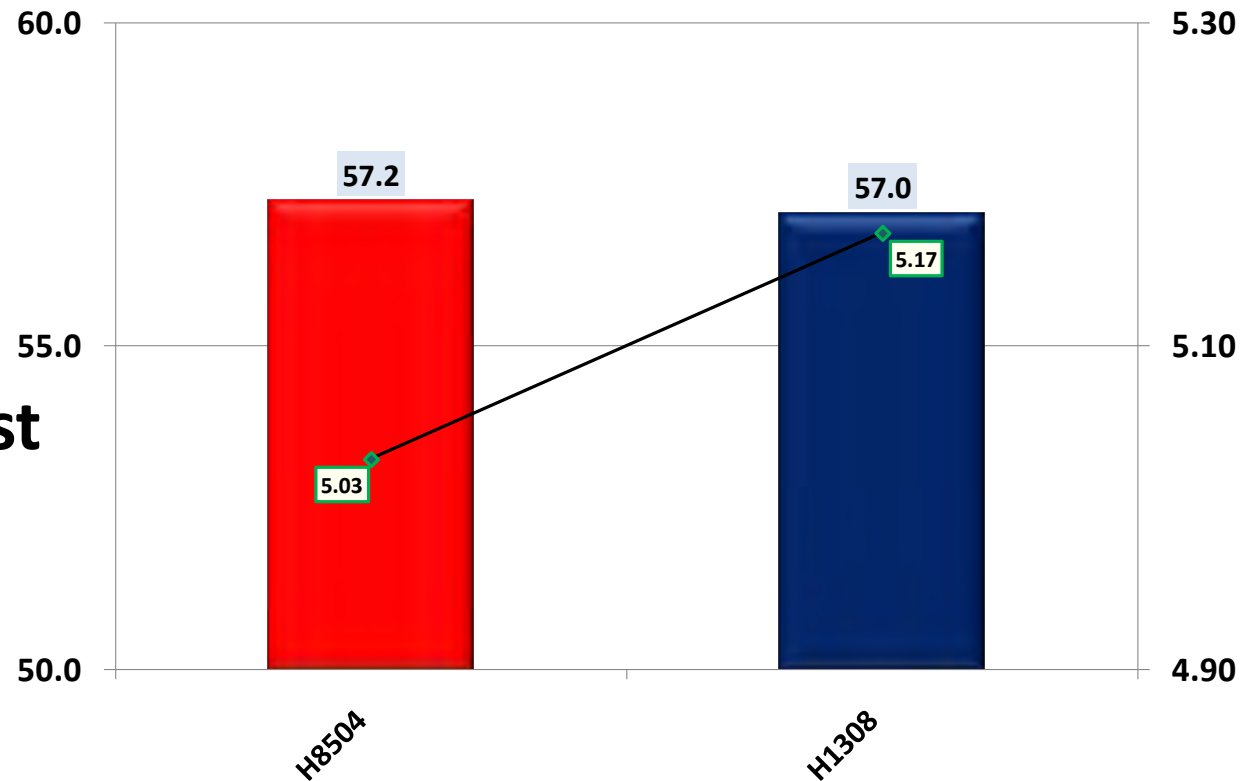
2015 New Commercial Variety H1308



Average Yield & Brix of 16 Adaptive Trials

Mid Season

- Strong Vine
- Yield thru August
- Ostwald



Average of 16 Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
H8504	0.96	2.81	0.31	24.86	5.03	4.30
H1308	1.43	1.96	1.70	22.48	5.17	4.48



California Processing Tomato Harvest

Northern Variety Use Summary: Late-Season (40.46%)

Based on Final PTAB Reports

Variety	Supplier	Category	Total Loads	Solids	Color	LU	Mold	pH
H5508	Heinz	Late-Season	11,220	4.34	25.51	0.49	0.78	4.31
HM9905	Harris Moran	Late-Season	8,369	4.82	25.10	0.70	0.80	4.39
H2401	Heinz	Late-Season	7,242	4.50	25.84	0.78	2.87	4.31
H8504	Heinz	Late-Season	5,194	4.73	25.67	0.65	2.15	4.27
H1175	Heinz	Late-Season	4,755	4.58	23.78	0.33	1.92	4.41
H4707	Heinz	Late-Season	3,414	4.80	24.87	0.69	1.45	4.36
H5701	Heinz	Late-Season	3,025	4.65	25.34	0.60	2.27	4.33
N6407	Nunhems	Late-Season	2,932	5.17	25.35	0.99	1.06	4.33
H3402	Heinz	Late-Season	2,497	4.79	25.92	0.35	1.62	4.41
HP849	Seminis	Late-Season	2,386	4.78	24.16	1.08	1.67	4.34
HM1892	Harris Moran	Late-Season	1,846	5.15	24.36	1.01	0.95	4.35
H5702	Heinz	Late-Season	1,541	4.81	23.66	0.43	1.11	4.37
H1170	Heinz	Late-Season	1,004	4.89	24.78	0.49	1.67	4.37
N6410	Nunhems	Late-Season	923	5.09	24.61	1.71	1.43	4.34
H9780	Heinz	Late-Season	267	4.43	26.20	1.50	1.10	4.37
PS650	Seminis	Late-Season	213	4.81	25.10	0.50	1.40	4.32
HM3888	Harris Moran	Late-Season	32	5.31	27.00	0.38	0.72	4.36



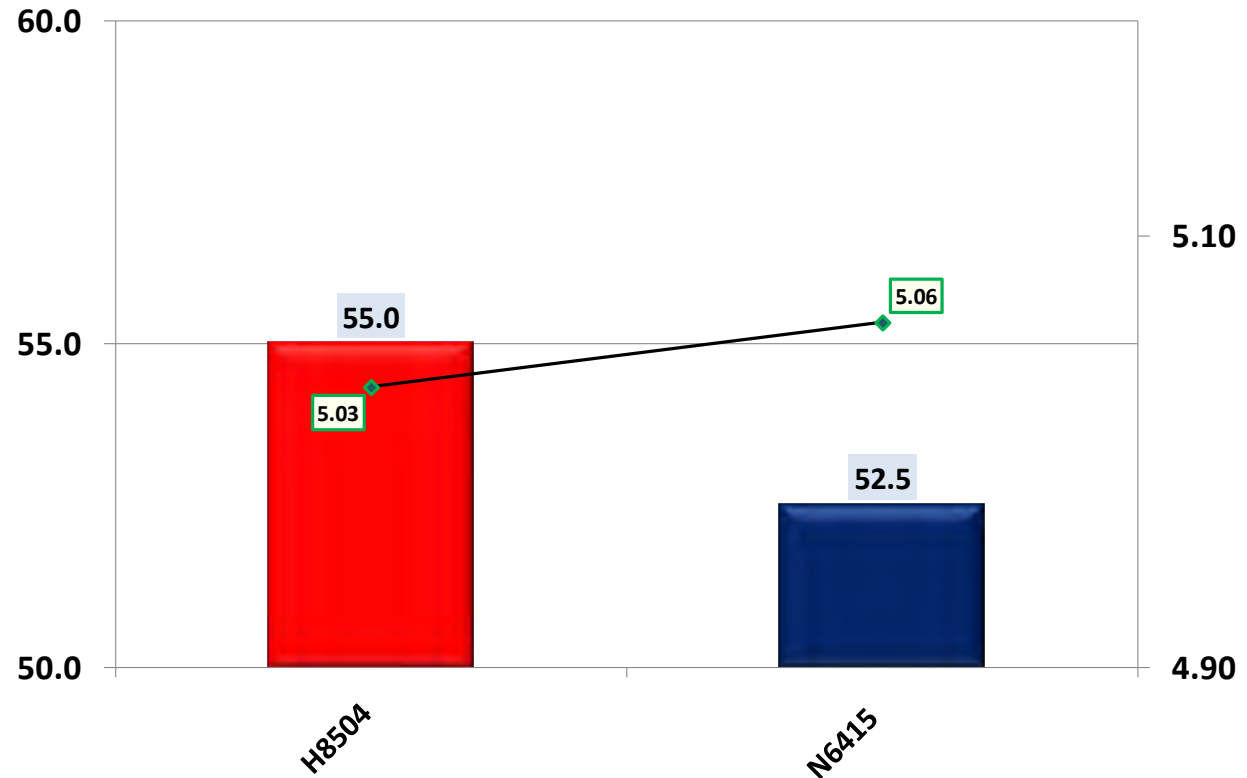
2015 New Commercial Variety N6415



Average Yield & Brix of 17 Adaptive Trials

Late Season

- TSW
- Strong EFS
- Adaptable
- Thick



Average of 17 Adaptive Trials

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
H8504	0.62	2.57	0.39	25.01	5.03	4.29
N6415	0.72	2.16	1.22	24.45	5.06	4.32

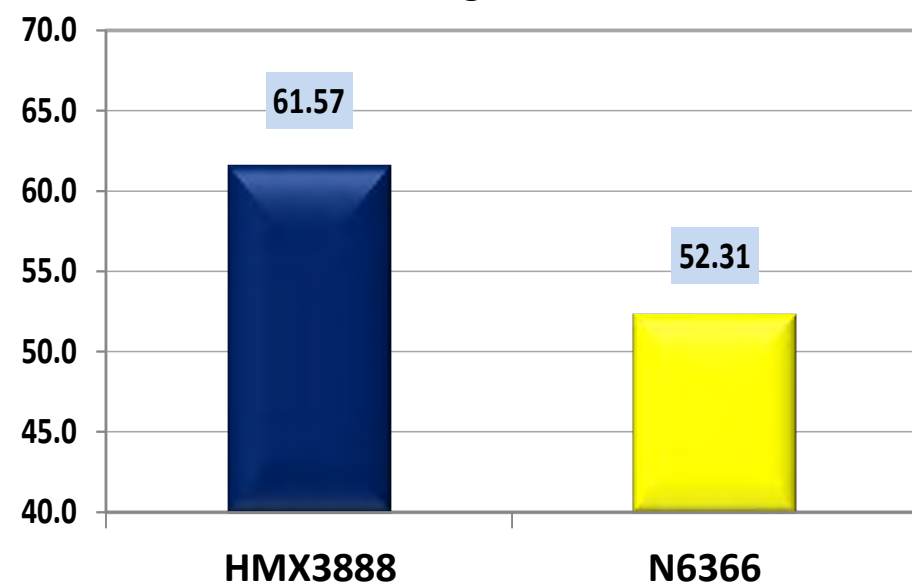


2015 New Commercial Variety HMX3888 – 2 Year Analysis

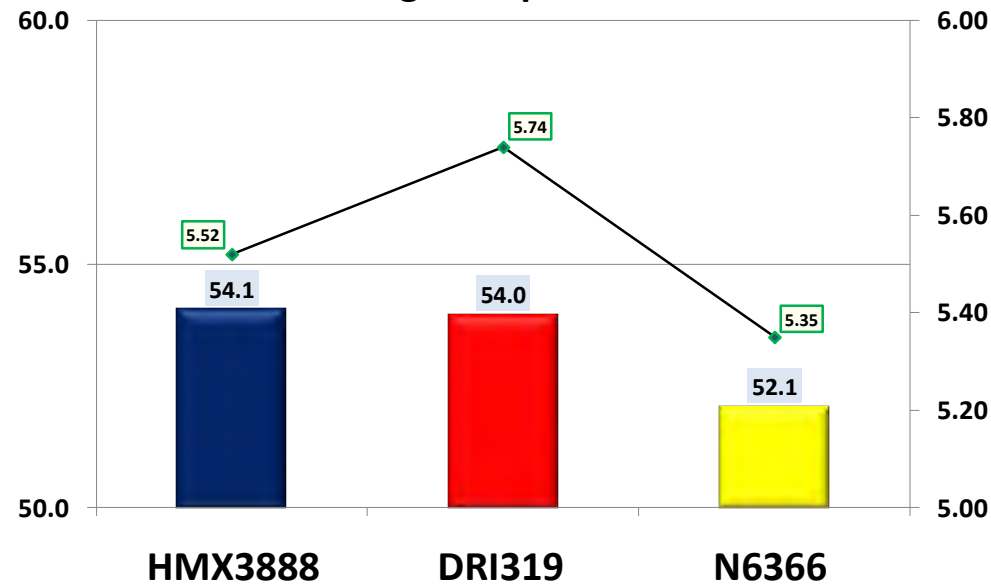


- Strong EFS • TSW • Adaptable • Strong Vine

2013 Average GT Trials Yield



2014 Average Adaptive Trials Yield



Average of 15 Adaptive Trials

2014

Variety	Mold	Green	Lim	Comm	Brix	pH
HMX3888	0.53	2.33	0.78	26.50	5.52	4.45
DRI319	1.32	2.31	1.76	24.68	5.74	4.32
N6366	2.73	0.73	1.40	23.51	5.35	4.42



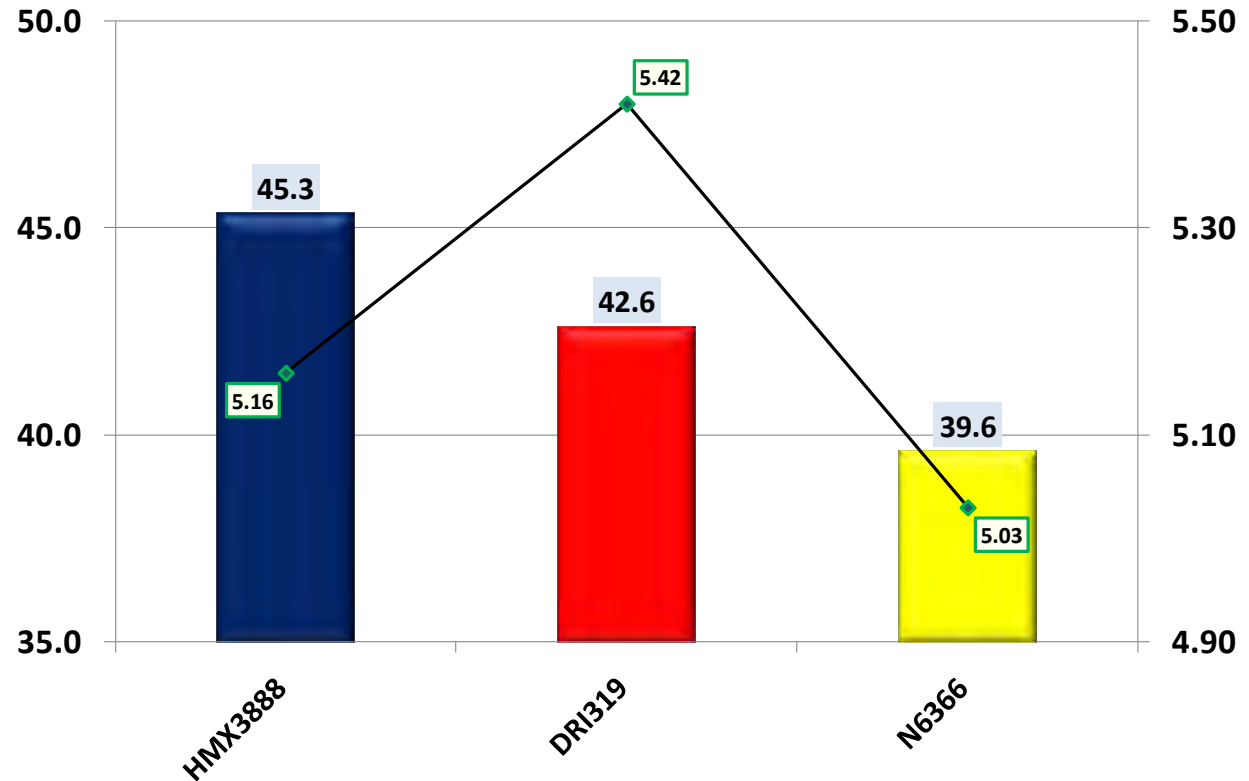
2015 New Commercial Variety HMX3888



Average Yield & Brix of 6 Adaptive Trials in the North

Late Season

- Strong EFS
- Strong Vine
- TSW
- Adaptable



Average of 6 Adaptive Trials in North State

Average PTAB Grades

Variety	Mold	Green	Lim	Comm	Brix	pH
HMX3888	0.54	1.21	0.88	27.17	5.16	4.47
DRI319	0.96	1.17	2.29	25.83	5.42	4.30
N6366	1.96	0.38	1.42	24.08	5.03	4.45



Ag-Seeds Unlimited

2015 Featured Varieties

Early Maturity Varieties



N6416

Early, TSW

Woodbridge Seeds



BQ273

Early, TSW

Mid Season Varieties



H1308

Vine, Yield



HM3887

TSW, Yield



Ag-Seeds Unlimited 2015 Featured Varieties

Late Season Varieties



N6415

EFS, TSW



HM3888

EFS, TSW

F3 Resistant Varieties



BQ141

Yield, Vine, TSW



BP2

Yield, Vine, TSW



BQ142

Yield, Vine, TSW



Ag-Seeds Unlimited 2015 Adaptive Varieties

Early Maturity Varieties



HMX5900

Brix, TSW

Mid Season Varieties



H1424

Yield, TSW, Brix



HMX4909

Yield, TSW, Brix



HMX4886

Yield, TSW, Brix



Ag-Seeds Unlimited 2015 Adaptive Varieties

Late Season Varieties



HMX4885

Yield, EFS, TSW



SV2756TM

Yield, EFS, TSW



Ag-Seeds Unlimited 2015 Adaptive Varieties

F3 Resistant Varieties



H1310

Yield, TSW



N6424

Yield, TSW



SV8232TM

Yield, TSW



H1422

Yield, Vine



SV2493TM

Yield, TSW



2014 Northern Trial Cooperators

Thank you – Without you, none of this work is possible

Grower	County
Y. Aoki Farms	Yolo
Barsoom Ranch	Yolo
Donald Beeman	Yolo
Dan Best Ranch	Yolo
Bullseye Farms	Yolo
Button & Turkovich	Yolo
Dougherty Bros.	Sutter
E & H Farms	Solano
E & J Farms	Yolo
F & F Farms	Sacramento
Geer Ranch	Yolo
Harlan Family Ranch	Yolo
Hunn, Merwin & Merwin	Yolo
J & P Farms	Sutter
LaGrande Farms	Colusa
Liberty Trust	Yolo

Grower	County
Matteoli Bros.	Sutter
Mayflower Farms	Colusa
J. H. Meek & Sons	Yolo
Joe Muller & Sons	Yolo
Park Farming	Sutter
Reveille Farms	Solano
Richter Bros.	Sutter
Gene Robben Farms	Solano
Rominger Bros.	Yolo
Schreiner Farms	Sutter
T & P Farms	Colusa
Tanaka Farms	Yolo
Triad Farms	Yolo
Tsutsui Ent.	Yolo
Vann Bros.	Colusa
Joe Yeung Farms	Yolo