

2018 SEASON HIGHLIGHTS

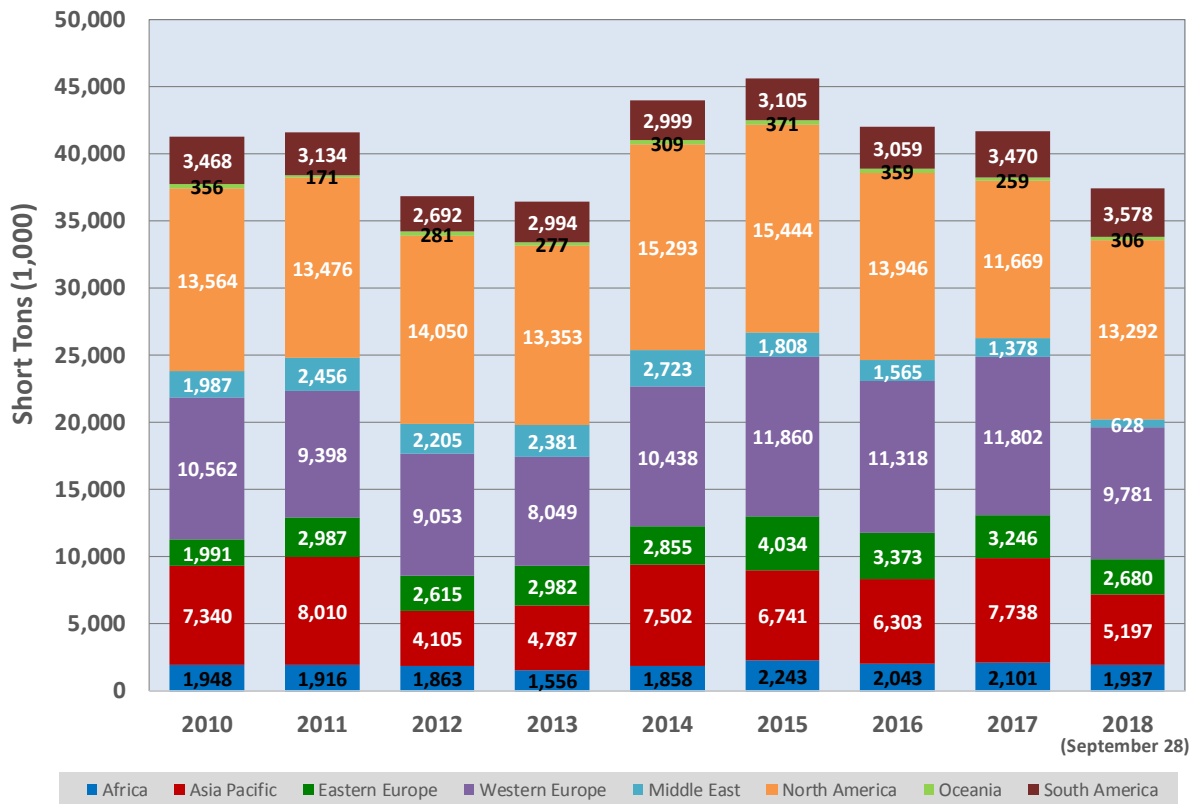


California Processing Tomato Season Review

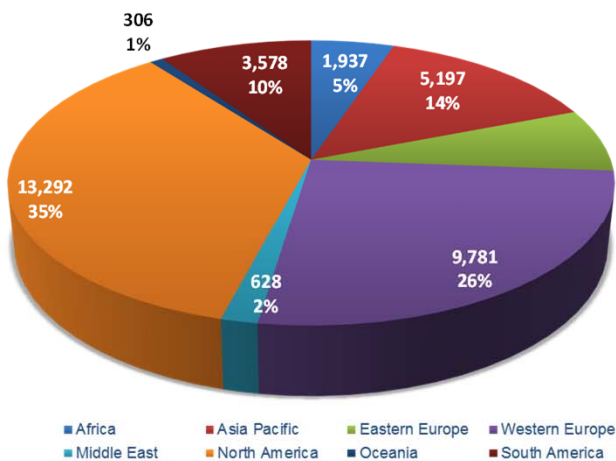
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2018 Season Review

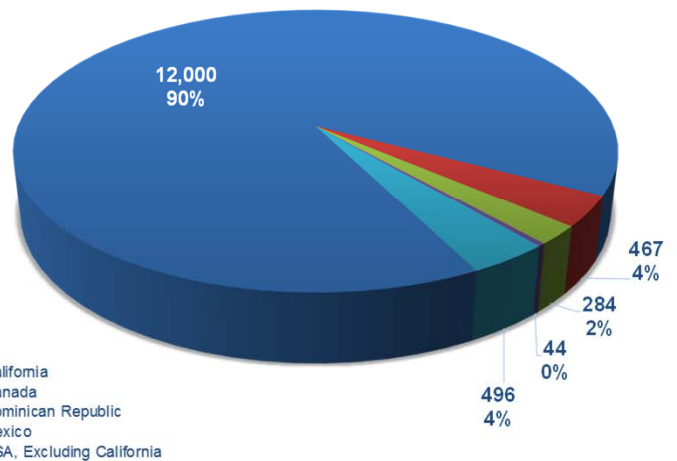
World Production History Short Tons by Region: 2010 - 2018



2018 World Production By Region (Short Tons)



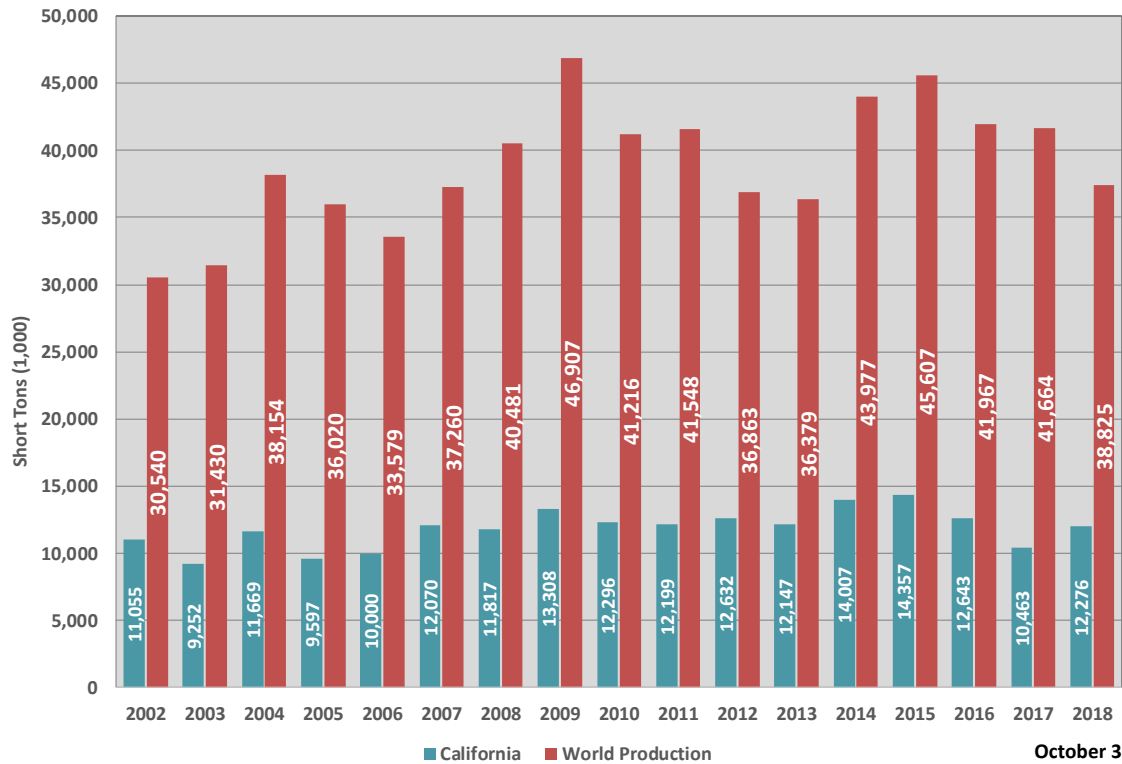
2018 World Production North America (Short Tons)



2018 Season Review

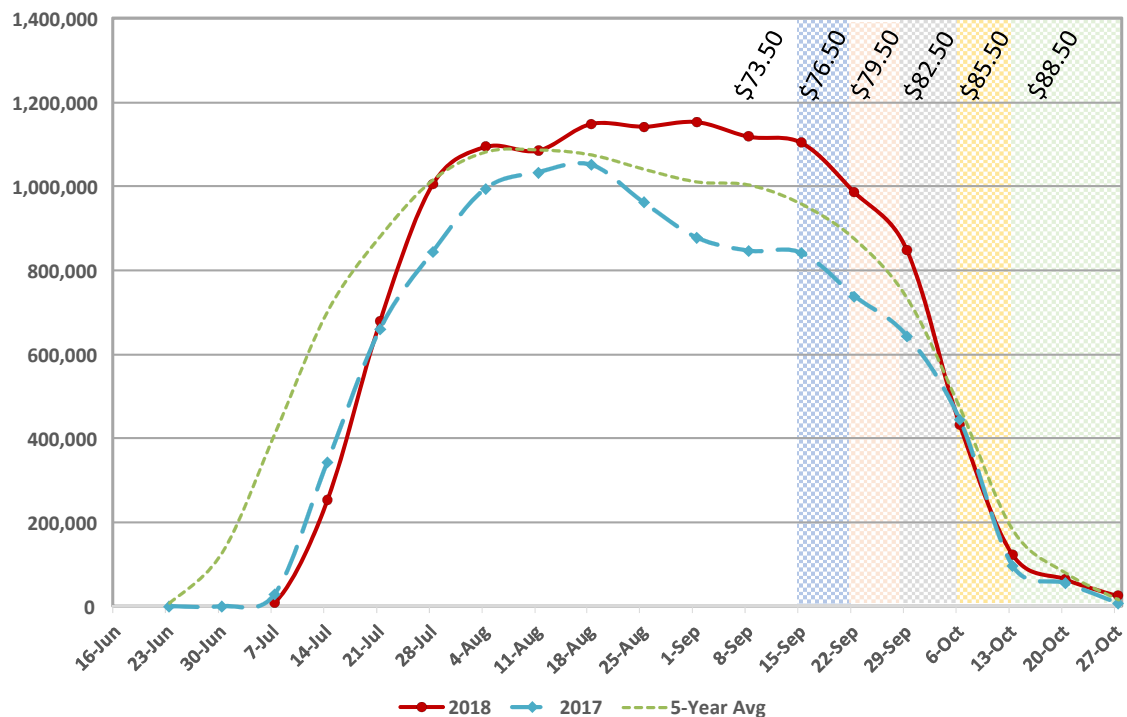
California vs World Production

Short Tons: 2002 - 2018



California Processing Tomato Harvest

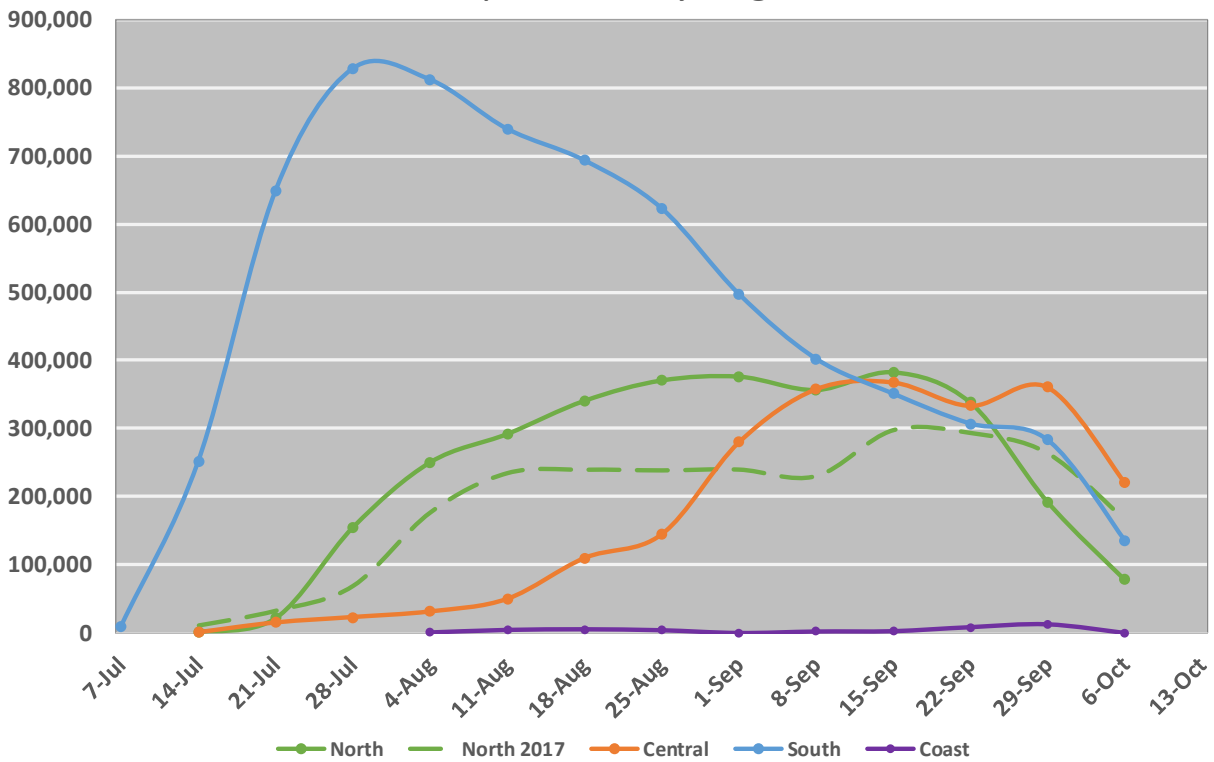
Tons per Week – 2018, 2017 & 5-Year Average



2018 Season Review

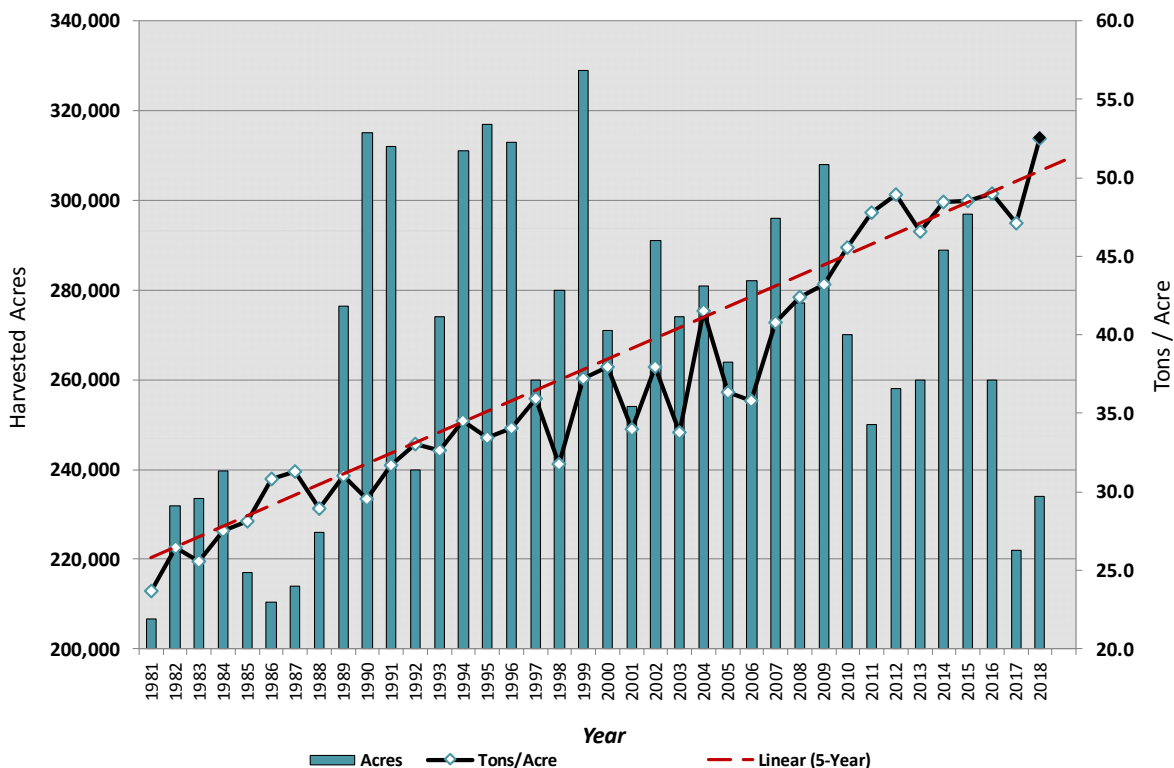
California Processing Tomato Harvest

Tons per Week by Region



California Processing Tomato Harvest

Harvested Acres & Yield (Tons / Acre): 1981 - 2018

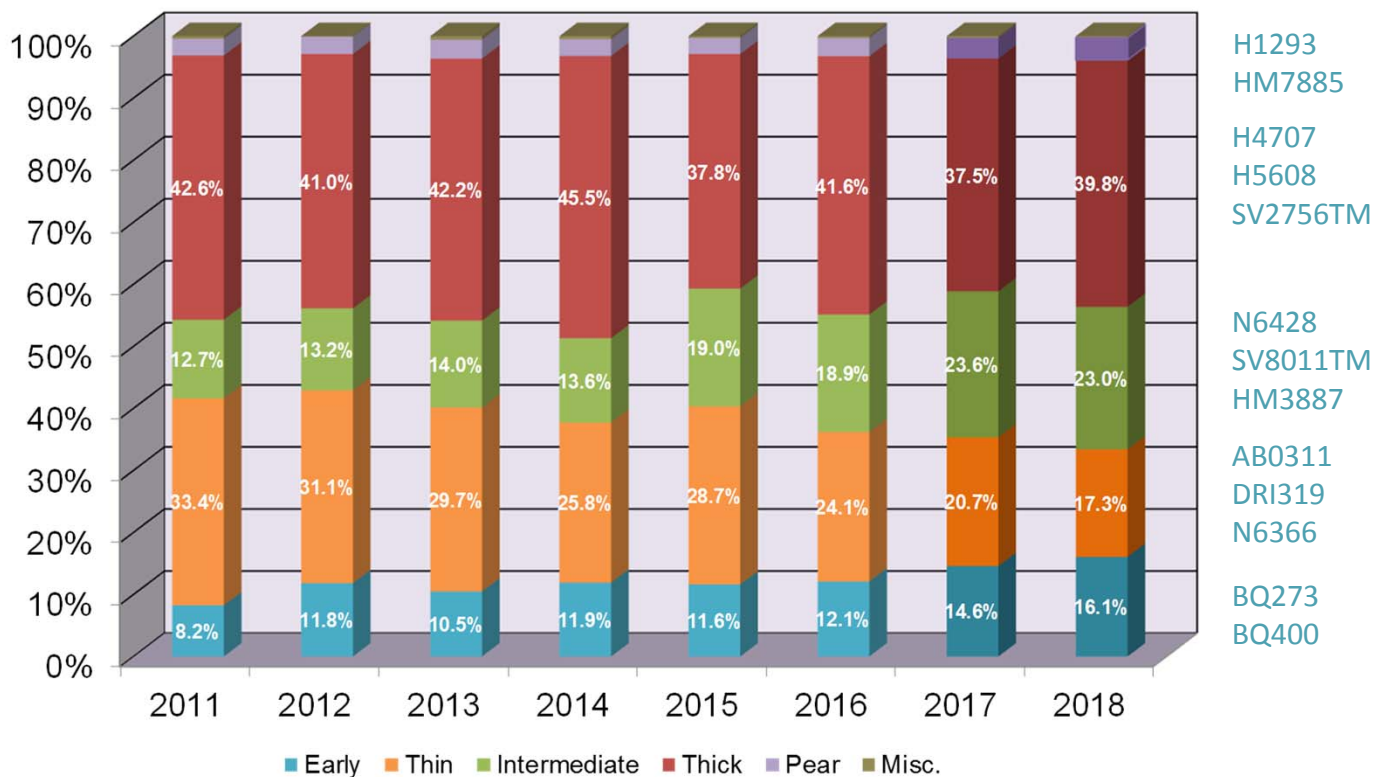


2018 Season Review

AgSeeds Unlimited 2018 Use Category Descriptions



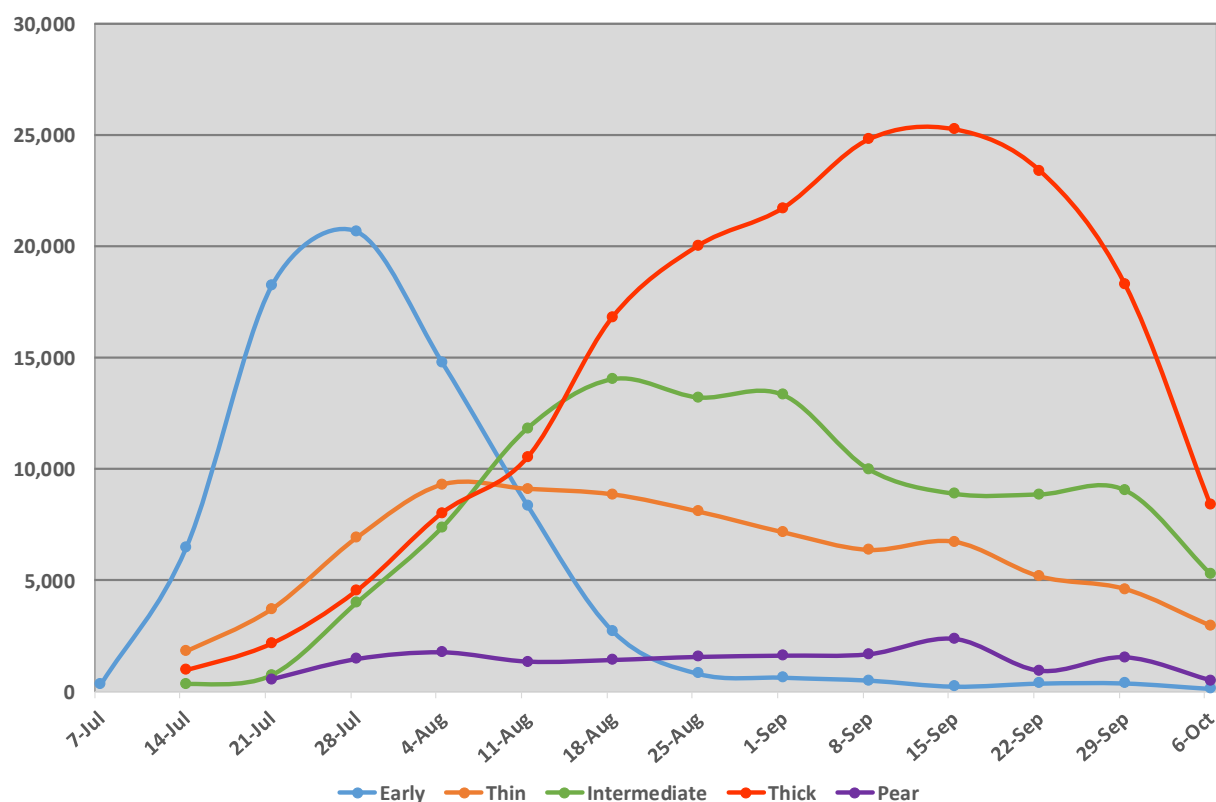
California Processing Tomato Harvest % of Market by Use Category



2018 Season Review

California Processing Tomato Harvest

Loads per Week by Use Category



California Processing Tomato Harvest

Historical Market Share by Supplier

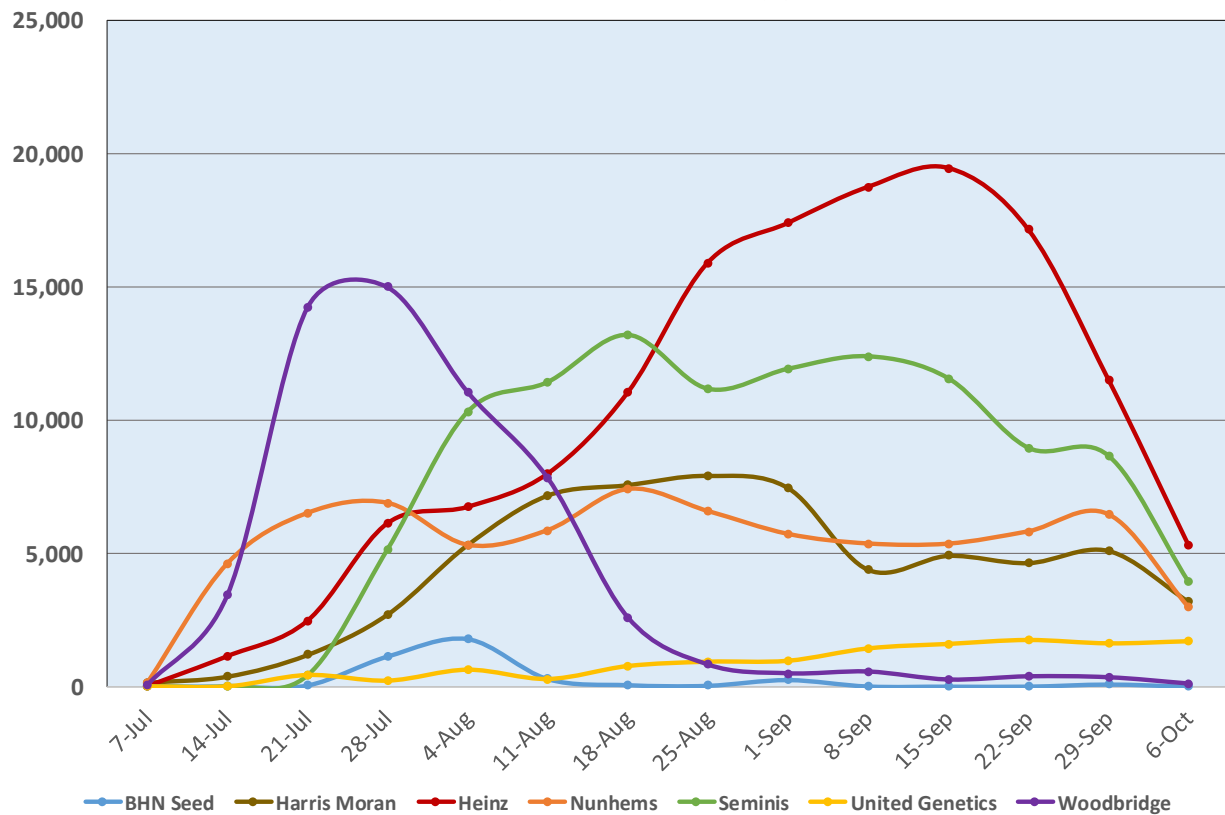
Supplier	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 ⁽¹⁾
BHN Seed	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	1.4%	1.6%	0.8%
Harris Moran	1.0%	1.5%	1.4%	1.2%	6.2%	8.9%	14.9%	20.0%	22.8%	13.5%
Heinz	41.0%	44.8%	46.4%	46.8%	47.0%	47.6%	35.5%	31.1%	27.2%	30.5%
Nunhems	27.6%	22.0%	24.2%	22.6%	22.6%	22.9%	24.3%	21.6%	16.8%	16.2%
Seminis	23.3%	21.4%	15.4%	13.0%	13.0%	12.2%	14.7%	16.9%	19.5%	23.2%
United Genetics	0.3%	1.7%	1.7%	3.5%	3.0%	3.6%	5.9%	3.7%	3.0%	2.6%
Woodbridge	0.3%	0.9%	2.0%	4.5%	5.8%	3.0%	2.7%	4.6%	8.7%	12.3%
Others	6.5%	7.8%	8.9%	8.3%	2.6%	1.9%	1.1%	0.7%	0.4%	0.9%

Note: (1) 2018 Market Share based on Final PTAB

2018 Season Review

California Processing Tomato Harvest

Loads per Week by Supplier



California Processing Tomato Harvest

Market Share by Use Category

Supplier	Early	Thin Viscosity	Intermediate Viscosity	Thick Viscosity	Pear	Total
BHN Seed	4.2%	0.0%	0.5%	0.0%	0.0%	0.8%
Harris Moran	3.0%	0.5%	37.1%	8.5%	27.7%	13.5%
Heinz	4.1%	0.3%	1.7%	69.1%	53.1%	30.5%
Nunhems	12.4%	19.2%	29.1%	8.8%	19.2%	16.2%
Seminis	1.2%	78.1%	21.0%	11.6%	0.0%	23.2%
United Genetics	0.0%	1.9%	6.7%	2.0%	0.0%	2.6%
Woodbridge	74.8%	0.0%	1.3%	0.0%	0.0%	12.3%
Other	0.3%	0.0%	2.6%	0.0%	0.0%	0.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

2018 Season Review

California Processing Tomato Harvest Supplier Market Share by Region

Supplier	South	Central	North	Coast	Total
BHN Seed	0.0%	0.1%	2.9%	0.0%	0.8%
Harris Moran	12.5%	9.9%	18.0%	7.4%	13.5%
Heinz	25.7%	35.6%	36.2%	31.0%	30.5%
Nunhems	15.4%	19.2%	15.5%	13.7%	16.2%
Seminis	24.9%	30.0%	15.9%	14.3%	23.2%
United Genetics	2.8%	2.1%	2.6%	9.6%	2.6%
Woodbridge	17.8%	2.3%	7.8%	24.0%	12.3%
Other	0.9%	0.7%	1.1%	0.0%	0.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

California Processing Tomato Harvest Top 25 Varieties – Final PTAB

	Variety	Supplier	Use Category	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
1	BQ273	Woodbridge	Early	X			42,112	8.90%	5.18	21.41	1.4	0.4	4.38
2	AB0311	Seminis	Thin	X			37,453	7.92%	5.63	20.69	1.8	2.2	4.41
3	N6428	Nunhems	Intermediate	X	X	X	27,317	5.78%	4.77	21.89	1.4	1.8	4.48
4	DRI319	Seminis	Thin	X			25,060	5.30%	5.64	21.49	2.3	1.8	4.42
5	H4707	Heinz	Thick			X	24,595	5.20%	4.79	22.63	0.7	1.6	4.45
6	H5608	Heinz	Thick	X			21,506	4.55%	4.79	20.89	1.2	1.6	4.45
7	SV2756TM	Seminis	Thick	X		X	20,645	4.37%	5.15	21.79	1.0	1.4	4.50
8	H1428	Heinz	Thick	X		X	20,017	4.23%	4.74	21.17	0.6	2.3	4.50
9	SV8011TM	Seminis	Intermediate	X			19,878	4.20%	5.11	20.65	1.0	2.1	4.44
10	H2401	Heinz	Thick			X	17,941	3.79%	4.70	21.72	1.2	1.9	4.39
11	HM3887	Harris Moran	Intermediate	X			16,141	3.41%	5.44	21.26	1.5	1.4	4.46
12	HM4885	Harris Moran	Thick	X		X	15,041	3.18%	4.94	21.10	0.9	2.1	4.38
13	N6415	Nunhems	Thick	X		X	14,459	3.06%	4.77	21.43	1.2	2.0	4.45
14	N6366	Nunhems	Thin				11,664	2.47%	5.20	20.92	2.1	0.5	4.43
15	H5702	Heinz	Thick			X	11,584	2.45%	4.71	21.07	0.7	1.6	4.48
16	H1662	Heinz	Thick	X	X		9,795	2.07%	4.91	22.19	1.3	1.9	4.47
17	BQ400	Woodbridge	Early	X			8,317	1.76%	5.01	20.78	1.3	0.3	4.51
18	N6416	Nunhems	Early	X			7,874	1.66%	4.68	21.64	1.8	0.3	4.36
19	UG19406	United Genetics	Intermediate			X	6,788	1.44%	5.24	21.55	1.0	2.3	4.34
20	H1293	Heinz	Pear	X			6,743	1.43%	5.47	20.62	1.2	1.4	4.54
21	HM4909	Harris Moran	Intermediate	X			6,016	1.27%	5.34	21.71	1.0	1.6	4.29
22	H8504	Heinz	Thick			X	5,632	1.19%	4.96	21.69	1.0	2.2	4.42
23	HM1892	Harris Moran	Intermediate			X	5,130	1.08%	5.21	20.99	1.6	1.1	4.51
24	BQ403	Woodbridge	Early	X			4,962	1.05%	5.12	21.43	1.9	0.2	4.35
25	H5508	Heinz	Thick	X		X	4,687	0.99%	4.53	21.33	0.5	2.2	4.48

2018 Season Review

California Processing Tomato Harvest

Top 15 Varieties – 2009 vs 2018

2009

Variety	# Loads	% Mkt Share
N6366	109,785	21.39%
AB2	68,806	13.41%
H2401	38,771	7.56%
H8504	34,526	6.73%
H8004	27,771	5.41%
H9663	25,802	5.03%
N6368	23,227	4.53%
H9780	20,418	3.98%
HP303	13,806	2.69%
H9665	13,639	2.66%
APT410	11,802	2.30%
H9557	10,084	1.97%
H2601	9,556	1.86%
CXD187	7,940	1.55%
HP849	7,643	1.49%

2018

Variety	# Loads	% Mkt Share
BQ273	42,112	8.90%
AB0311	37,453	7.92%
N6428	27,317	5.78%
DRI319	25,060	5.30%
H4707	24,595	5.20%
H5608	21,506	4.55%
SV2756TM	20,645	4.37%
H1428	20,017	4.23%
SV8011TM	19,878	4.20%
H2401	17,941	3.79%
HM3887	16,141	3.41%
HM4885	15,041	3.18%
N6415	14,459	3.06%
N6366	11,664	2.47%
H5702	11,584	2.45%



% of Pack: 82.5%

% of Pack: 68.8%



2018 VARIETIES BY USE CATEGORY



California Processing Tomato Season Review

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Trial Types

Total
197

Plot: 64 Locations

Chemistry & early indications of horticultural performance



GT: 50 Locations

First true test of yield and commercial viability



Adaptive: 62 Locations

Confirmation of commercial potential



Specialty: 21 Locations

Other trials testing chemistry, yield, paste and dice recovery

EARLY VARIETIES



2018 Season Review

California Processing Tomato Harvest

Use Category: Early, **15.8%** of Market

Based on Final PTAB

Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Early	BQ273	Woodbridge	VFFNPtsw	X			42,112	8.90%	5.18	21.41	1.4	0.4	4.38
Early	BQ400	Woodbridge	VFFNPtsw	X			8,317	1.76%	5.01	20.78	1.3	0.3	4.51
Early	N6416	Nunhems	VFNptsw	X			7,874	1.66%	4.68	21.64	1.8	0.3	4.36
Early	BQ403	Woodbridge	VFFNPtsw	X			4,962	1.05%	5.12	21.43	1.9	0.2	4.35
Early	BP13	BHN Seed	VFFNPtsw	X	X		3,128	0.66%	4.53	22.39	1.7	0.3	4.44
Early	H1015	Heinz	VFFNP*			X	3,079	0.65%	4.91	21.82	1.1	0.4	4.47
Early	Shasta	Harris Moran	VF				1,486	0.31%	5.08	22.69	2.7	0.3	4.29
Early	N6397	Nunhems	VFFN				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
Early	HM58881	Harris Moran	VFFNtsw	X			413	0.09%	4.75	20.76	1.1	0.3	4.40
Early	CXD187	Harris Moran	VFFNP				352	0.07%	4.63	20.74	2.5	0.6	4.40
Early	SV0599TM	Seminis	VFF				310	0.07%	5.29	21.75	0.8	0.4	4.35
Early	APT410	Seminis	VFFNP				299	0.06%	4.64	23.25	1.9	0.5	4.48
Early	BQ401	Woodbridge	VFFNPtsw	X			259	0.05%	5.16	21.32	0.8	0.2	4.43
Early	SVTM9000	Seminis	VFFNPtswLv	X			253	0.05%	4.87	21.17	1.3	0.3	4.46
Early	BOS66509	Orsetti	VFFNP				238	0.05%	4.78	21.46	1.9	0.1	4.35
Early	BQ413	Woodbridge	VFFNPtsw	X	X		155	0.03%	4.78	21.45	1.8	1.0	4.55
	ALL OTHERS						191	0.26%	5.28	5.27	5.3	5.3	5.27
Early Total							74,691	100.00%	5.05	21.45	1.5	0.4	4.40

Note: Thin Viscosity - Predicted Paste Bostwick ≥ 5.40 , Intermediate Viscosity - Predicted Paste Bostwick 3.76 - 5.39, Thick Viscosity - Predicted Paste Bostwick ≤ 3.75



BQ403**VFFNPtsw**

Woodbridge Seed

Balanced Quality Strategy

Days: 110

Commercial Variety**Early**1st Early | | High Brix

AgSeeds 2018 Lab

32 Locations

Variety	BQ273	BQ403	N6416
Fruit Wt	79	76	71
Brix	5.37	5.49	5.05
JB	15.15	17.07	15.76
PPB	4.85	6.00	4.64
pH	4.14	4.15	4.18
A/B	2.25	2.30	2.29
Ostwald	464	337	399

Dice Report Card

Recovery

Retention

Visual

Below
Average**Good**

Average

Optimal Harvest DateJuly 1st → July 25th**Comparable Varieties**

N6416

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
BQ273	42,112	5.18	0.4	1.4	21.4	4.38
BQ403	4,962	5.12	0.2	1.9	21.4	4.35
N6416	7,874	4.68	0.3	1.8	21.6	4.36

BQ400

VFFNP_{tsw}

Woodbridge Seed

Balanced Quality Strategy

Days: 115

Commercial Variety

Early

| Great Early Peeler |

AgSeeds 2018 Lab

32 Locations

Variety	BQ273	BQ400	N6416
Fruit Wt	79	73	71
Brix	5.37	5.21	5.05
JB	15.15	14.97	15.76
PPB	4.85	4.50	4.64
pH	4.14	4.20	4.18
A/B	2.25	2.32	2.29
Ostwald	464	416	399

Dice Report Card

Recovery	Retention	Visual
Good	Good	Good

Optimal Harvest Date

July 1st → Aug 1st

Comparable Varieties

BQ273

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
BQ273	42,112	5.18	0.4	1.4	21.4	4.38
BQ400	8,317	5.01	0.3	1.3	20.8	4.51
N6416	7,874	4.68	0.3	1.8	21.6	4.36

BQ401

VFFNP_{tsw}

Woodbridge Seed
Balanced Quality Strategy

Days: 116

Commercial Variety

Early

| Thin |

AgSeeds 2018 Lab

32 Locations

Variety	BQ273	BQ401	N6416
Fruit Wt	79	71	71
Brix	5.37	5.27	5.05
JB	15.15	18.46	15.76
PPB	4.85	6.34	4.64
pH	4.14	4.23	4.18
A/B	2.25	2.25	2.29
Ostwald	464	308	399

Dice Report Card

Recovery	Retention	Visual
Below Average	Average	Average

Optimal Harvest Date

July 1st → Aug 1st

Comparable Varieties

BQ273

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
BQ273	42,112	5.18	0.4	1.4	21.4	4.38
BQ401	259	5.16	0.2	0.8	21.3	4.43
N6416	7,874	4.68	0.3	1.8	21.6	4.36

2018 Season Review

SVTM9000

VFFNPtswLv



Days: 114

Semi-Commercial Variety

Early

Adequate Vine | | High Yield

AgSeeds 2018 Lab

32 Locations

Variety	BQ273	SVTM9000	N6416
Fruit Wt	79	80	71
Brix	5.37	5.00	5.05
JB	15.15	14.69	15.76
PPB	4.85	4.01	4.64
pH	4.14	4.22	4.18
A/B	2.25	2.28	2.29
Ostwald	464	452	399

Dice Report Card

Recovery	Retention	Visual
Good	Good	Average

Optimal Harvest Date

July 1st → Aug 1st

Comparable Varieties

BQ273 N6366

2018 Adaptive Trial Data

12 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM9000	64.3	4.83	0.2	0.9	21.6	4.45
BQ273	61.0	5.10	0.4	1.3	21.9	4.37

Variety	2018 4 GT Trials	Average Tons/Ac
SVTM9000		60.10
BQ273		56.68

12 Data Points

Variety	2017 5 GT Trials	Average Tons/Ac
BQ273		61.42
SVTM9000		58.92

15 Data Points

2018 Season Review

BQ413

VFFFNtsw

Woodbridge Seed

Balanced Quality Strategy

Days: 115

Semi-Commercial Variety

Early

| F3 |

AgSeeds 2018 Lab

32 Locations

Variety	BQ273	BQ413	BP13
Fruit Wt	79	75	71
Brix	5.37	5.04	5.02
JB	15.15	14.89	15.93
PPB	4.85	4.18	4.67
pH	4.14	4.25	4.19
A/B	2.25	2.30	2.26
Ostwald	464	368	332

Dice Report Card

Recovery	Retention	Visual
Average	Below Average	Average

Optimal Harvest Date

July 21st → Sept 20th

Comparable Varieties

BP13

2018 Adaptive Trial Data

10 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
BQ273	65.4	5.02	0.4	1.5	21.8	4.39
BQ413	59.0	4.86	0.6	1.7	21.1	4.51

2018 Season Review

H1765

VFFNP_{tsw}*



Days: 116

Semi-Commercial Variety

Early

Thin | | Good EFS™

AgSeeds 2018 Lab

32 Locations

Variety	BQ273	H1765	N6416
Fruit Wt	79	70	71
Brix	5.37	5.37	5.05
JB	15.15	17.38	15.76
PPB	4.85	5.97	4.64
pH	4.14	4.18	4.18
A/B	2.25	2.28	2.29
Ostwald	464	301	399

Dice Report Card

Recovery	Retention	Visual
Average	Good	Below Average

Optimal Harvest Date

July 1st → Aug 1st

Comparable Varieties

BQ273 H1015

2018 Adaptive Trial Data

10 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
BQ273	59.7	5.13	0.5	1.2	21.8	4.38
H1765	59.3	5.24	0.1	3.9	22.0	4.41

Variety	2018 4 GT Trials	Average Tons/Ac
BQ273		56.68
H1765		53.82

12 Data Points

Variety	2017 5 GT Trials	Average Tons/Ac
BQ273		61.42
H1765		60.68

15 Data Points

THIN VARIETIES



2018 Season Review

California Processing Tomato Harvest

Use Category: Thin, **17.6%** of Market

Based on Final PTAB

Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Thin	AB0311	Seminis	VFFNPtsw	X			37,453	7.92%	5.63	20.69	1.8	2.2	4.41
Thin	DRI319	Seminis	VFFNPtsw	X			25,060	5.30%	5.64	21.49	2.3	1.8	4.42
Thin	N6366	Nunhems	VFFNP				11,664	2.47%	5.20	20.92	2.1	0.5	4.43
Thin	N6402	Nunhems	VFFNPtsw	X			3,715	0.79%	5.41	20.73	1.7	0.8	4.47
Thin	SVTM1082	Seminis	VFFNPtsw	X	X		2,102	0.44%	5.36	21.36	1.5	1.2	4.36
Thin	UG16609	United Genetics	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
Thin	N6407	Nunhems	VFFNPtsw*	X		X	649	0.14%	4.98	21.67	0.5	2.1	4.39
Thin	HM4326	Harris Moran	VFFNtsw	X			464	0.10%	5.55	21.75	2.8	6.1	4.48
	ALL OTHERS						544	0.65%	5.32	21.16	1.8	2.8	4.43
Thin Total							83,061	100.00%	5.54	21.00	2.0	1.8	4.42

Note: Thin Viscosity - Predicted Paste Bostwick ≥ 5.40 , Intermediate Viscosity - Predicted Paste Bostwick 3.76 - 5.39, Thick Viscosity - Predicted Paste Bostwick ≤ 3.75



HM4326

VFFNtsw



Days: 124

Commercial Variety

Thin

Strong Vine | | High BRIX

AgSeeds 2018 Lab

32 Locations

Variety	DRI319	HM4326	HM3887
Fruit Wt	83	75	91
Brix	5.72	5.62	5.50
JB	17.50	15.87	15.35
PPB	6.60	5.63	5.17
pH	4.16	4.13	4.16
A/B	2.22	2.24	2.27
Ostwald	347	391	283

Dice Report Card

Recovery	Retention	Visual
Below Average	Average	Below Average

Optimal Harvest Date

July 15th → Sept 10th

Comparable Varieties

AB0311

DRI319

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
HM3887	16,141	5.44	1.4	1.5	21.3	4.46
HM4326	464	5.55	6.1	2.8	21.8	4.48
DRI319	25,060	5.64	1.8	2.3	21.5	4.42

2018 Season Review

BP43

VFFFN_Pts_w



Days: 122

Semi-Commercial Variety

Thin

High BRIX | | Harvest on Time

AgSeeds 2018 Lab

32 Locations

Variety	DRI319	BP43	N6428
Fruit Wt	83	80	73
Brix	5.72	5.51	5.03
JB	17.50	15.88	14.93
PPB	6.60	5.44	4.18
pH	4.16	4.18	4.18
A/B	2.22	2.30	2.18
Ostwald	347	343	445

Dice Report Card

Recovery	Retention	Visual
Average	Below Average	Below Average

Optimal Harvest Date

July 20th → Aug 30th

Comparable Varieties

AB0311 DRI319

2018 Adaptive Trial Data

8 Locations

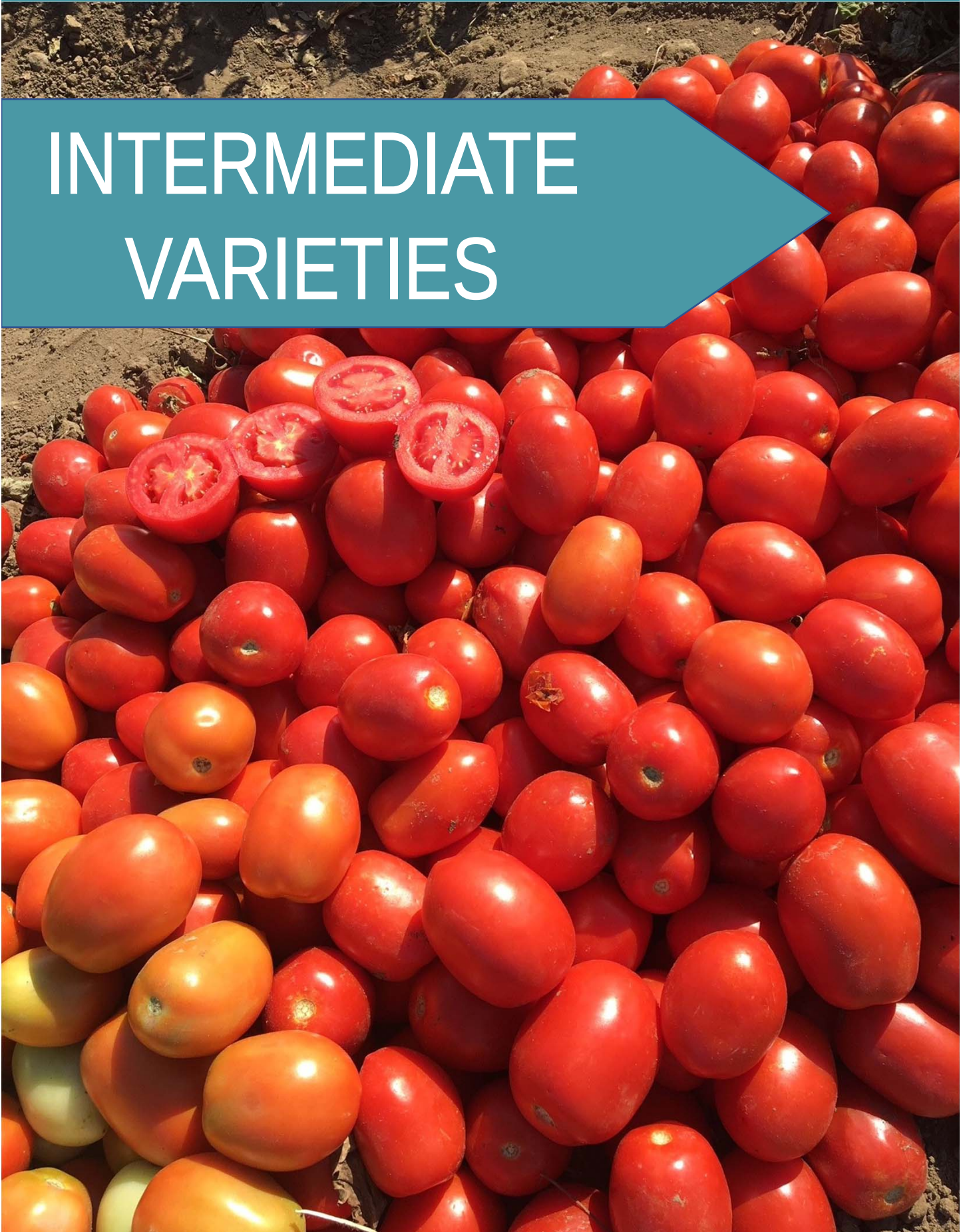
Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
DRI319	49.3	5.69	0.8	2.7	22.4	4.30
BP43	47.1	5.57	0.9	0.8	21.9	4.35

2018 Adaptive Trial Data

11 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6428	58.9	4.84	2.2	0.7	21.8	4.42
BP43	54.9	5.25	3.6	1.1	21.0	4.46

INTERMEDIATE VARIETIES



2018 Season Review

California Processing Tomato Harvest

Use Category: Intermediate, **23.3%** of Market

Based on Final PTAB

Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Intermediate	N6428	Nunhems	VFFFNptsw*	X	X	X	27,317	5.78%	4.77	21.89	1.4	1.8	4.48
Intermediate	SV8011TM	Seminis	VFFNtsw	X			19,878	4.20%	5.11	20.65	1.0	2.1	4.44
Intermediate	HM3887	Harris Moran	VFFNtsw	X			16,141	3.41%	5.44	21.26	1.5	1.4	4.46
Intermediate	UG19406	United Genetics	VFFNP*			X	6,788	1.44%	5.24	21.55	1.0	2.3	4.34
Intermediate	HM4909	Harris Moran	VFFNtswFr	X			6,016	1.27%	5.34	21.71	1.0	1.6	4.29
Intermediate	HM1892	Harris Moran	VFFNP*			X	5,130	1.08%	5.21	20.99	1.6	1.1	4.51
Intermediate	N6434	Nunhems	VFFFNtsw*	X	X	x	3,877	0.82%	5.01	21.95	1.3	2.1	4.46
Intermediate	HM9905	Harris Moran	VFFN*			X	3,593	0.76%	4.92	21.17	0.9	1.2	4.49
Intermediate	HM3888	Harris Moran	VFFNtsw*	X		X	3,014	0.64%	5.30	21.58	1.0	2.1	4.48
Intermediate	BOS811	Orsetti	VFFNtsw	X			1,996	0.42%	5.03	20.47	0.6	1.5	4.39
Intermediate	HM5235	Harris Moran	VFFFNtsw	X	X		1,731	0.37%	5.25	20.34	1.9	2.4	4.48
Intermediate	HM58841	Harris Moran	VFFNtsw*	X		X	1,609	0.34%	5.35	21.56	0.8	2.3	4.42
Intermediate	H9780	Heinz	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
Intermediate	HM5900	Harris Moran	VFFNtsw	X			1,151	0.24%	5.52	21.51	1.7	1.4	4.36
Intermediate	HM58801	Harris Moran	VFFFNtsw	X	X		1,085	0.23%	5.31	21.53	1.8	1.7	4.49
Intermediate	SV2493TM	Seminis	VFFFNptsw	X	X		982	0.21%	4.80	21.76	2.4	2.5	4.49
	ALL OTHERS						8,786	7.96%	4.96	21.66	1.4	1.8	4.41
Intermediate Total							110,310	100.00%	5.09	21.38	1.3	1.8	4.44

Note: Thin Viscosity - Predicted Paste Bostwick ≥ 5.40 , Intermediate Viscosity - Predicted Paste Bostwick 3.76 - 5.39, Thick Viscosity - Predicted Paste Bostwick ≤ 3.75



2018 Season Review

HM4521

VFFNP_{tsw}*



Days: 125

Commercial Variety

Intermediate

Strong EFH | | High Yield

AgSeeds 2018 Lab

32 Locations

Variety	HM3887	HM4521	SV8011TM
Fruit Wt	91	78	88
Brix	5.50	5.33	5.35
JB	15.35	14.02	13.54
PPB	5.17	4.22	4.02
pH	4.16	4.15	4.13
A/B	2.27	2.18	2.26
Ostwald	283	396	521

Dice Report Card

Recovery	Retention	Visual
Average	Average	Average
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Optimal Harvest Date

Aug 1st → Oct 1st

Comparable Varieties

HM3887 SV8011TM

2018 Adaptive Trial Data

2 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
HM4521	77.3	5.52	0.1	0.3	22.1	4.36
DRI319	65.9	6.10	0.5	3.4	22.1	4.43

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
HM3887	16,141	5.44	1.4	1.5	21.3	4.46
HM4521	900	5.17	1.6	0.8	21.9	4.37
DRI319	25,060	5.64	1.8	2.3	21.5	4.42

2018 Season Review

HM58841

VFFN_{tsw}*



Days: 126

Commercial Variety

Intermediate

Strong EFH | High Brix | Yield Boost

AgSeeds 2018 Lab

32 Locations

Variety	HM3887	HM58841	N6415
Fruit Wt	91	75	79
Brix	5.50	5.61	5.06
JB	15.35	13.28	12.18
PPB	5.17	4.31	2.86
pH	4.16	4.16	4.13
A/B	2.27	2.18	2.24
Ostwald	283	459	538

Dice Report Card

Recovery	Retention	Visual
Good	Average	Average

Optimal Harvest Date

Aug 1st → Oct 1st

Comparable Varieties

HM3887 SV8011TM

2016 Adaptive Trial Data

19 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
HM58841	59.0	5.59	1.5	0.6	25.5	4.37
H8504	53.8	5.22	1.3	0.4	24.3	4.30

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
HM3887	16,141	5.44	1.4	1.5	21.3	4.46
HM58841	1,609	5.35	2.3	0.8	21.6	4.42
N6415	14,459	4.77	2.0	1.2	21.4	4.45

2018 Season Review

N6434

VFFFNtsw*

nunhems

Days: 126

Commercial Variety

Intermediate

| Strong EFH |

AgSeeds 2018 Lab 32 Locations

Variety	N6428	N6434
Fruit Wt	73	81
Brix	5.03	5.15
JB	14.93	16.09
PPB	4.18	4.96
pH	4.18	4.19
A/B	2.18	2.19
Ostwald	445	379

Dice Report Card

Recovery	Retention	Visual
Good	Below Average	Below Average

Optimal Harvest Date

July 25th → Sept 15th

Comparable Varieties

N6428

2018 Adaptive Trial Data

2 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6434	56.6	5.04	1.7	0.6	21.8	4.49
N6428	54.3	4.73	1.5	1.0	21.9	4.41

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
N6428	27,317	4.77	1.8	1.4	21.9	4.48
N6434	3,877	5.01	2.1	1.3	22.0	4.46

SVTM1082

VFFFNptsw



Days: 124

Commercial Variety

Intermediate

F3 | High BRIX | Harvest on Time

AgSeeds 2018 Lab

32 Locations

Variety	DRI319	SVTM1082	N6428
Fruit Wt	83	70	73
Brix	5.72	5.55	5.03
JB	17.50	15.94	14.93
PPB	6.60	5.54	4.18
pH	4.16	4.14	4.18
A/B	2.22	2.20	2.18
Ostwald	347	494	445

Dice Report Card

Recovery	Retention	Visual
Average	Average	Average

Optimal Harvest Date

July 15th → Aug 30th

Comparable Varieties

AB0311 DRI319

2017 Adaptive Trial Data

12 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM1082	48.8	5.56	1.7	1.2	23.4	4.44
DRI319	45.5	5.67	4.6	1.9	23.6	4.50

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
N6428	27,317	4.77	1.8	1.4	21.9	4.48
SVTM1082	2,102	5.36	1.2	1.5	21.4	4.36
DRI319	25,060	5.64	1.8	2.3	21.5	4.42

HM5235**VFFFNtsw**

Days: 122

Commercial Variety

Intermediate

High BRIX | | Harvest on Time

AgSeeds 2018 Lab 32 Locations

Variety	N6428	HM5235
Fruit Wt	73	79
Brix	5.03	5.52
JB	14.93	13.88
PPB	4.18	4.46
pH	4.18	4.22
A/B	2.18	2.34
Ostwald	445	349

Dice Report Card

Recovery	Retention	Visual
Below Average	Average	Average

Optimal Harvest Date

July 20th → Aug 30th

Comparable Varieties

N6428

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
N6428	27,317	4.77	1.8	1.4	21.9	4.48
HM5235	1,731	5.25	2.4	1.9	20.3	4.48

2018 Season Review

HM5522

VFFNtswFr



Days: 122

Semi-Commercial Variety

Intermediate

Great Peeler | High BRIX | Fusarium Crown Rot

AgSeeds 2018 Lab 32 Locations

Variety	DRI319	HM5522	HM3887
Fruit Wt	83	76	91
Brix	5.72	5.80	5.50
JB	17.50	14.29	15.35
PPB	6.60	5.13	5.17
pH	4.16	4.13	4.16
A/B	2.22	2.31	2.27
Ostwald	347	391	283

Dice Report Card

Recovery	Retention	Visual
Good	Good	Good

Optimal Harvest Date

Aug 1st → Sept 10th

Comparable Varieties

HM3887 HM4909

2018 Adaptive Trial Data

2 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
HM5522	75.9	5.58	0.3	0.5	20.2	4.46
DRI319	71.2	5.65	0.9	3.1	22.0	4.46

2017 Adaptive Trial Data

7 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
HM5522	48.0	5.68	1.5	0.6	22.3	4.36
DRI319	44.7	5.65	2.1	1.7	23.2	4.43

2018 Season Review

SVTM9003

VFFNP_{tsw}*



Days: 125

Semi-Commercial Variety

Intermediate

Strong Vine | | Moderate EFH

AgSeeds 2018 Lab

32 Locations

Variety	DRI319	SVTM9003	HM3887
Fruit Wt	83	72	91
Brix	5.72	5.46	5.50
JB	17.50	15.57	15.35
PPB	6.60	5.21	5.17
pH	4.16	4.06	4.16
A/B	2.22	2.16	2.27
Ostwald	347	440	283

Dice Report Card

Recovery	Retention	Visual
Below Average	Average	Average

Optimal Harvest Date

July 20th → Sept 15th

Comparable Varieties

HM3887 HM3888

2018 Adaptive Trial Data

11 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM9003	54.8	5.51	0.2	0.9	23.2	4.29
DRI319	52.6	5.65	1.4	3.2	22.3	4.38

2018 Adaptive Trial Data

4 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM9003	62.0	5.53	0.1	1.0	22.1	4.25
N6415	55.2	4.85	0.4	1.1	21.4	4.33

2018 Season Review

BQ398

VFFNtsw

Woodbridge Seed
Balanced Quality Strategy

Days: 124

Semi-Commercial Variety

Intermediate

Strong Vine | | Good Color

AgSeeds 2018 Lab

32 Locations

Variety	N6415	BQ398	SV8011TM
Fruit Wt	79	78	88
Brix	5.06	5.34	5.35
JB	12.18	13.35	13.54
PPB	2.86	3.90	4.02
pH	4.13	4.14	4.13
A/B	2.24	2.29	2.26
Ostwald	538	522	521

Dice Report Card

Recovery	Retention	Visual
Average	Below Average	Average

Optimal Harvest Date

July 20th → Aug 30th

Comparable Varieties

HM3887 SV8011TM

2018 Adaptive Trial Data

9 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
BQ398	59.4	5.08	2.3	0.3	20.4	4.39
N6415	58.2	4.74	2.0	0.9	21.3	4.38

2018 Adaptive Trial Data

4 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
BQ398	57.6	5.58	0.5	1.2	20.9	4.23
DRI319	52.9	5.20	0.5	0.3	19.9	4.27

2018 Season Review

BQ422

VFFFN_{tsw}

Woodbridge Seed
Balanced Quality Strategy

Days: 124

Semi-Commercial Variety

Intermediate

| F3 |

AgSeeds 2018 Lab

32 Locations

Variety	N6415	BQ422	N6428
Fruit Wt	79	83	73
Brix	5.06	5.17	5.03
JB	12.18	14.64	14.93
PPB	2.86	4.27	4.18
pH	4.13	4.18	4.18
A/B	2.24	2.27	2.18
Ostwald	538	389	445

Dice Report Card

Recovery	Retention	Visual
Below Average	Average	Below Average

Optimal Harvest Date

July 20th → Aug 30th

Comparable Varieties

N6428

2018 Adaptive Trial Data

11 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6428	59.0	4.85	2.1	0.7	21.7	4.42
BQ422	53.8	4.83	3.0	2.2	21.4	4.45

2018 Adaptive Trial Data

2 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
BQ422	52.3	4.88	0.5	0.0	20.8	4.27
N6415	46.0	4.58	0.3	0.7	21.0	4.26

2018 Season Review

BP42

VFFFN_Ptsw



Days: 120

Semi-Commercial Variety

Intermediate

F3 | | Harvest on Time

AgSeeds 2018 Lab

32 Locations

Variety	HM3887	BP42	N6428
Fruit Wt	91	77	73
Brix	5.50	5.39	5.03
JB	15.35	15.61	14.93
PPB	5.17	5.11	4.18
pH	4.16	4.21	4.18
A/B	2.27	2.31	2.18
Ostwald	283	406	445

Dice Report Card

Recovery	Retention	Visual
Below Average	Below Average	Below Average

Optimal Harvest Date

July 20th → Aug 30th

Comparable Varieties

N6428

2018 Adaptive Trial Data

8 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
DRI319	49.3	5.69	0.8	2.7	22.4	4.30
BP42	48.1	5.25	0.9	2.0	21.3	4.37

2018 Adaptive Trial Data

12 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6428	56.1	4.79	1.3	0.9	21.8	4.42
BP42	52.9	5.14	3.2	2.4	21.1	4.46

2018 Season Review

BQ411

VFFFNtsw

Woodbridge Seed
Balanced Quality Strategy

Days: 121

Semi-Commercial Variety

Intermediate

| F3 |

AgSeeds 2018 Lab

32 Locations

Variety	N6415	BQ411	N6428
Fruit Wt	79	70	73
Brix	5.06	5.40	5.03
JB	12.18	13.42	14.93
PPB	2.86	4.03	4.18
pH	4.13	4.20	4.18
A/B	2.24	2.30	2.18
Ostwald	538	509	445

Dice Report Card

Recovery	Retention	Visual
Below Average	Average	Below Average

Optimal Harvest Date

July 21st → Sept 20th

Comparable Varieties

N6428

2018 Adaptive Trial Data

2 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
BQ411	52.6	4.80	0.8	0.5	20.4	4.32
N6415	46.0	4.58	0.3	0.7	21.0	4.26

2018 Adaptive Trial Data

8 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6428	55.0	5.02	1.6	0.7	21.7	4.41
BQ411	47.8	5.21	3.9	2.7	21.3	4.46

2018 Season Review



THICK VARIETIES



2018 Season Review

California Processing Tomato Harvest

Use Category: Thick, **39.5%** of Market

Based on Final PTAB

Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Thick	H4707	Heinz	VFFNP*			X	24,595	5.20%	4.79	22.63	0.7	1.6	4.45
Thick	H5608	Heinz	VFFNPtsw	X			21,506	4.55%	4.79	20.89	1.2	1.6	4.45
Thick	SV2756TM	Seminis	VFFNtsw	X		X	20,645	4.37%	5.15	21.79	1.0	1.4	4.50
Thick	H1428	Heinz	VFFNPtsw*	X		X	20,017	4.23%	4.74	21.17	0.6	2.3	4.50
Thick	H2401	Heinz	VFFNP*			X	17,941	3.79%	4.70	21.72	1.2	1.9	4.39
Thick	HM4885	Harris Moran	VFFNPtsw*	X		X	15,041	3.18%	4.94	21.10	0.9	2.1	4.38
Thick	N6415	Nunhems	VFFNPtsw*	X		X	14,459	3.06%	4.77	21.43	1.2	2.0	4.45
Thick	H5702	Heinz	VFFNP*			X	11,584	2.45%	4.71	21.07	0.7	1.6	4.48
Thick	H1662	Heinz	VFFNPtswLv	X	X		9,795	2.07%	4.91	22.19	1.3	1.9	4.47
Thick	H8504	Heinz	VFFNP*			X	5,632	1.19%	4.96	21.69	1.0	2.2	4.42
Thick	H5508	Heinz	VFFNtsw*	X		X	4,687	0.99%	4.53	21.33	0.5	2.2	4.48
Thick	H1310	Heinz	VFFNPtsw	X	X		3,213	0.68%	4.80	21.75	1.0	2.0	4.49
Thick	H5708	Heinz	VFFNP*			X	3,003	0.63%	4.62	21.06	0.6	1.4	4.40
Thick	H9663	Heinz	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48
Thick	UG16112	United Genetics	VFFNtsw*	X		X	2,051	0.43%	4.80	21.76	0.6	1.6	4.42
Thick	H1422	Heinz	VFFNP*		X	X	1,982	0.42%	4.88	21.68	1.2	2.0	4.44
Thick	N6426	Nunhems	VFFNtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
Thick	UG15212	United Genetics	VFFNtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
	ALL OTHERS						5,215	2.79%	4.88	21.39	0.8	3.4	4.50
Thick Total							187,032	100.00%	4.83	21.54	1.0	1.9	4.45

Note: Thin Viscosity - Predicted Paste Bostwick ≥ 5.40 , Intermediate Viscosity - Predicted Paste Bostwick 3.76 - 5.39, Thick Viscosity - Predicted Paste Bostwick ≤ 3.75



HM58811

VFFN_{tsw}*


Days: 126

Commercial Variety

Thick

Good EFH | | High Yield

AgSeeds 2018 Lab

32 Locations

Variety	HM3887	HM58811	N6415
Fruit Wt	91	78	79
Brix	5.50	5.13	5.06
JB	15.35	12.85	12.18
PPB	5.17	3.31	2.86
pH	4.16	4.16	4.13
A/B	2.27	2.23	2.24
Ostwald	283	386	538

Dice Report Card

Recovery	Retention	Visual
Average	Average	Average
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Optimal Harvest Date

Aug 1st → Sept 20th

Comparable Varieties

HM4885 SV2756TM

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
HM3887	16,141	5.44	1.4	1.5	21.3	4.46
HM58811	927	5.21	1.5	0.8	21.5	4.40
N6415	14,459	4.77	2.0	1.2	21.4	4.45

2018 Season Review

H1662

VFFFNptswLv



Days: 125

Commercial Variety

Thick

Powder Mildew | | High Ostwald

AgSeeds 2018 Lab 32 Locations

Variety	N6428	H1662
Fruit Wt	73	75
Brix	5.03	5.24
JB	14.93	11.68
PPB	4.18	2.91
pH	4.18	4.14
A/B	2.18	2.18
Ostwald	445	813

Dice Report Card

Recovery	Retention	Visual
Good	Average	Average

Optimal Harvest Date

July 20th → Sept 10th

Comparable Varieties

N6428 H1310

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
N6428	27,317	4.77	1.8	1.4	21.9	4.48
H1662	9,795	4.91	1.9	1.3	22.2	4.47

N6426

VFFNtswLv*



Days: 125

Commercial Variety

Thick

Great Peeler | | Good EFH

AgSeeds 2018 Lab

32 Locations

Variety	N6415	N6426	H5608
Fruit Wt	79	76	71
Brix	5.06	4.94	4.99
JB	12.18	12.83	12.69
PPB	2.86	2.99	2.99
pH	4.13	4.16	4.16
A/B	2.24	2.31	2.28
Ostwald	538	435	516

Dice Report Card

Recovery	Retention	Visual
Average	Good	Good

Optimal Harvest Date

Aug 1st → Oct 1st

Comparable Varieties

H5608

2018 PTAB Grades

Final PTAB

Variety	# of Loads	Solids	Mold	Lim	Hue	pH
H5608	21,506	4.79	1.6	1.2	20.9	4.45
N6426	1,966	4.90	1.8	1.7	20.6	4.50
N6415	14,459	4.77	2.0	1.2	21.4	4.45

2018 Season Review

H1776

VFFNP_{tsw}*



Days: 122

Semi-Commercial Variety

Thick

Good Peeler | High BRIX | Good Ostwald

AgSeeds 2018 Lab

32 Locations

Variety	N6415	H1776	SV2756TM
Fruit Wt	79	83	72
Brix	5.06	5.47	5.11
JB	12.18	11.94	13.10
PPB	2.86	3.41	3.20
pH	4.13	4.14	4.18
A/B	2.24	2.28	2.22
Ostwald	538	669	592

Dice Report Card

Recovery	Retention	Visual
Good	Average	Good

Optimal Harvest Date

Aug 1st → Sept 20th

Comparable Varieties

HM4885 N6415
H5608 SV2756TM

2018 Adaptive Trial Data

26 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
H1776	58.2	5.23	1.9	0.7	21.4	4.41
N6415	54.9	4.75	3.3	1.3	21.5	4.42

2017 Adaptive Trial Data

12 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
H1776	46.7	5.22	5.3	0.8	24.6	4.50
N6415	44.9	4.97	6.8	1.0	26.2	4.53

2018 Season Review

SVTM9007

VFFNP_{tsw}



Days: 122

Semi-Commercial Variety

Thick

Strong Vine | | Great Ostwald

AgSeeds 2018 Lab

32 Locations

Variety	N6415	SVTM9007	SV2756TM
Fruit Wt	79	69	72
Brix	5.06	5.03	5.11
JB	12.18	12.07	13.10
PPB	2.86	2.75	3.20
pH	4.13	4.21	4.18
A/B	2.24	2.27	2.22
Ostwald	538	702	592

Dice Report Card

Recovery	Retention	Visual
Average	Average	Below Average

Optimal Harvest Date

July 20th → Sept 1st

Comparable Varieties

N6415 SV2756TM

2018 Adaptive Trial Data

14 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM9007	55.4	4.96	3.5	1.1	21.4	4.48
N6415	55.2	4.85	4.8	1.1	21.3	4.41

Variety	2018 9 GT Trials	Average Tons/Ac
SVTM9007		54.01
N6415		47.37

27 Data Points

Variety	2017 4 GT Trials	Average Tons/Ac
SVTM9007		63.67
N6415		50.76

12 Data Points



2018 Season Review

SVTM9008

VFFNP_{tsw}*



Days: 127

Semi-Commercial Variety

Thick

Good EFH | | Good Ostwald

AgSeeds 2018 Lab

32 Locations

Variety	N6415	SVTM9008	SV2756TM
Fruit Wt	79	80	72
Brix	5.06	5.15	5.11
JB	12.18	12.98	13.10
PPB	2.86	3.40	3.20
pH	4.13	4.09	4.18
A/B	2.24	2.23	2.22
Ostwald	538	650	592

Dice Report Card

Recovery	Retention	Visual
Average	Average	Average

Optimal Harvest Date

July 21st → Sept 20th

Comparable Varieties

HM4885 SV2756TM

2018 Adaptive Trial Data

1 Location

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM9008	51.7	5.28	3.3	0.3	21.8	4.33
N6415	49.4	5.03	2.5	1.0	21.4	4.47

2018 Adaptive Trial Data

1 Location

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
SVTM9008	69.2	4.10	1.5	0.0	22.5	4.32
DRI319	52.3	4.40	7.5	7.0	21.5	4.53

2018 Season Review

N6441

VFFFNtsw*

nunhems

Days: 124

Semi-Commercial Variety

Thick

Good Peeler | | Sub Skin Color

AgSeeds 2018 Lab

32 Locations

Variety	N6415	N6441	N6428
Fruit Wt	79	75	73
Brix	5.06	5.14	5.03
JB	12.18	13.58	14.93
PPB	2.86	3.70	4.18
pH	4.13	4.20	4.18
A/B	2.24	2.22	2.18
Ostwald	538	390	445

Dice Report Card

Recovery	Retention	Visual
Good	Below Average	Good

Optimal Harvest Date

Aug 1st → Oct 1st

Comparable Varieties

N6428 H1310

2018 Adaptive Trial Data

10 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6441	55.7	5.09	3.5	0.7	21.2	4.49
N6415	52.8	4.84	5.2	1.1	21.3	4.39

2018 Adaptive Trial Data

16 Locations

Variety	Tons/Ac	Solids	Mold	Lim	Hue	pH
N6428	60.1	4.70	2.4	0.9	21.9	4.43
N6441	54.6	4.83	2.5	0.9	21.4	4.48

2018 Season Review



PEAR VARIETIES



2018 Season Review

California Processing Tomato Harvest

Use Category: Pears, **3.5%** of Market

Based on Final PTAB

Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Pear	H1293	Heinz	VFFNPtsw	X			6,743	40.79%	5.47	20.62	1.2	1.4	4.54
Pear	HM7885	Harris Moran	VFNP*			X	4,579	27.70%	4.88	21.29	1.0	1.2	4.58
Pear	N6420	Nunhems	VFFNtsw	X			3,181	19.24%	5.05	21.23	1.4	1.6	4.53
Pear	H1292	Heinz	VFFNPtsw	X			1,599	9.67%	5.41	20.79	2.5	0.9	4.54
Pear	H1538	Heinz	VFFNtsw	X			290	1.75%	5.36	20.78	0.9	0.7	4.42
Pear	H1421	Heinz	VFFFNtsw	X	X		141	0.85%	5.12	19.77	2.4	1.7	4.45
Pear Total							16,533	100.00%	5.22	20.94	1.3	1.3	4.54

Note: Thin Viscosity - Predicted Paste Bostwick ≥ 5.40 , Intermediate Viscosity - Predicted Paste Bostwick 3.76 - 5.39, Thick Viscosity - Predicted Paste Bostwick ≤ 3.75



HM8163

VFFN_{tsw}



Days: 122

Commercial Variety

Pear

| High Brix |

AgSeeds 2018 Lab 32 Locations

Variety	H1293	HM8163
Fruit Wt	63	72
Brix	5.58	5.82
JB	15.36	13.83
PPB	5.30	4.93
pH	4.26	4.25
A/B	2.29	2.29
Ostwald	477	406

Variety	2016 11 GT Trials		Average Tons/Ac
HM8163	A		52.98
H1293		B	49.09

LSD @.05 2.1341

33 Data Points

Optimal Harvest Date

July 20th → Aug 30th

Comparable Varieties

H1293

N6420

2018 Season Review

