

2018 PTAB SUMMARY



California Processing Tomato Season Review

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2018 California Processing Tomato

Top 50 Varieties

Based on PTAB 10/6/18

	Variety	Supplier	Use Category	Disease Resis	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
1	BQ273	Woodbridge	Early	VFFNPtsw	X			42,112	9.07%	5.18	21.41	1.4	0.4	4.38
2	AB0311	Seminis	Thin	VFFNPtsw	X			37,081	7.98%	5.63	20.69	1.8	2.2	4.41
3	N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	26,886	5.79%	4.77	21.90	1.4	1.7	4.48
4	H4707	Heinz	Thick	VFFNP*			X	24,557	5.29%	4.79	22.64	0.7	1.6	4.45
5	DR1319	Seminis	Thin	VFFNPtsw	X			23,681	5.10%	5.64	21.49	2.3	1.7	4.42
6	H5608	Heinz	Thick	VFFNPtsw	X			21,477	4.62%	4.79	20.89	1.2	1.6	4.45
7	SV2756TM	Seminis	Thick	VFFNPtsw	X		X	20,645	4.44%	5.15	21.79	1.0	1.4	4.50
8	H1428	Heinz	Thick	VFFNPtsw*	X		X	19,933	4.29%	4.74	21.18	0.6	2.3	4.50
9	SV8011TM	Seminis	Intermediate	VFFNPtsw	X			19,796	4.26%	5.11	20.65	1.0	2.1	4.44
10	H2401	Heinz	Thick	VFFNP*			X	17,702	3.81%	4.70	21.73	1.2	1.8	4.39
11	HM3887	Harris Moran	Intermediate	VFFNPtsw	X			15,996	3.44%	5.44	21.24	1.5	1.4	4.46
12	HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	14,838	3.19%	4.95	21.10	0.9	2.1	4.38
13	N6415	Nunhems	Thick	VFFNPtsw*	X		X	14,248	3.07%	4.77	21.44	1.2	2.0	4.45
14	N6366	Nunhems	Thin	VFFNP				11,664	2.51%	5.20	20.92	2.1	0.5	4.43
15	H5702	Heinz	Thick	VFFNP*			X	11,392	2.45%	4.70	21.09	0.7	1.6	4.48
16	H1662	Heinz	Thick	VFFNPtswLv	X	X		9,780	2.11%	4.91	22.19	1.3	1.9	4.47
17	BQ400	Woodbridge	Early	VFFNPtsw	X			8,317	1.79%	5.01	20.78	1.3	0.3	4.51
18	N6416	Nunhems	Early	VFFNPtsw	X			7,874	1.70%	4.68	21.64	1.8	0.3	4.36
19	H1293	Heinz	Pear	VFFNPtsw	X			6,743	1.45%	5.47	20.62	1.2	1.4	4.54
20	UG19406	United Genetics	Intermediate	VFFNP*			X	6,468	1.39%	5.26	21.54	1.0	2.3	4.34
21	HM4909	Harris Moran	Intermediate	VFFNPtswFr	X			6,018	1.30%	5.34	21.71	1.0	1.6	4.29
22	H8504	Heinz	Thick	VFFNP*			X	5,632	1.21%	4.96	21.69	1.0	2.2	4.42
23	BQ403	Woodbridge	Early	VFFNPtsw	X			4,962	1.07%	5.12	21.43	1.9	0.2	4.35
24	HM1892	Harris Moran	Intermediate	VFFNP*			X	4,916	1.06%	5.22	21.00	1.7	1.1	4.51
25	HM7885	Harris Moran	Pear	VFFNP*			X	4,579	0.99%	4.88	21.29	1.0	1.2	4.58
26	N6434	Nunhems	Intermediate	VFFNPtsw*	X	X	x	3,742	0.81%	5.01	21.95	1.3	2.0	4.46
27	N6402	Nunhems	Thin	VFFNPtsw	X			3,716	0.80%	5.41	20.73	1.7	0.8	4.47
28	H5508	Heinz	Thick	VFFNPtsw*	X		X	3,592	0.77%	4.58	21.46	0.5	2.3	4.48
29	H1310	Heinz	Thick	VFFNPtsw	X	X		3,213	0.69%	4.80	21.75	1.0	2.0	4.49
30	N6420	Nunhems	Pear	VFFNPtsw	X			3,181	0.68%	5.05	21.23	1.4	1.6	4.53
31	BP13	BHN Seed	Early	VFFNPtsw	X	X		3,128	0.67%	4.53	22.39	1.7	0.3	4.44
32	HM9905	Harris Moran	Intermediate	VFFNP*			X	3,085	0.66%	4.93	21.12	0.8	1.2	4.49
33	H5708	Heinz	Thick	VFFNP*			X	3,003	0.65%	4.62	21.06	0.6	1.4	4.40
34	H1015	Heinz	Early	VFFNP*			X	2,947	0.63%	4.88	21.86	1.1	0.4	4.48
35	H9663	Heinz	Thick	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48
36	SVTM1082	Seminis	Thin	VFFNPtsw	X	X		2,102	0.45%	5.36	21.36	1.5	1.2	4.36
37	UG16112	United Genetics	Thick	VFFNPtsw*	X		X	2,029	0.44%	4.80	21.74	0.6	1.6	4.42
38	BOS811	Orsetti	Intermediate	VFFNPtsw	X			1,986	0.43%	5.03	20.46	0.6	1.5	4.39
39	H1422	Heinz	Thick	VFFNP*		X	X	1,986	0.43%	4.88	21.68	1.2	2.0	4.44
40	N6426	Nunhems	Thick	VFFNPtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
41	HM3888	Harris Moran	Intermediate	VFFNPtsw*	X		X	1,811	0.39%	5.37	21.64	1.1	1.5	4.50
42	HM5235	Harris Moran	Intermediate	VFFNPtsw	X	X		1,734	0.37%	5.25	20.35	1.9	2.4	4.48
43	H1292	Heinz	Pear	VFFNPtsw	X			1,599	0.34%	5.41	20.79	2.5	0.9	4.54
44	UG15212	United Genetics	Thick	VFFNPtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
45	HM58841	Harris Moran	Intermediate	VFFNPtsw*	X		X	1,535	0.33%	5.35	21.55	0.8	2.3	4.41
46	Shasta	Harris Moran	Early	VF				1,486	0.32%	5.08	22.69	2.7	0.3	4.29
47	UG16609	United Genetics	Thin	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
48	N6397	Nunhems	Early	VFFNP				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
49	H9780	Heinz	Intermediate	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
50	H5728	Heinz	Thick	VFFNP*			X	1,175	0.25%	4.51	21.81	0.6	6.4	4.56
	All Others							20,627	4.44%	5.04	21.50	1.5	1.8	4.44
STATEWIDE		ALL						464,529	100.00%	5.07	21.37	1.3	1.6	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 Top 40 Varieties

South Region

Based on 10/6/18 PTAB Reports

Rank	Variety	Supplier	Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads
1	BQ273	Woodbridge	Early	VFFNPtsw	X			33,804	13.30%
2	AB0311	Seminis	Thin	VFFNPtsw	X			20,508	8.07%
3	SV2756TM	Seminis	Thick	VFFNtsw	X		X	19,670	7.74%
4	H5608	Heinz	Thick	VFFNPtsw	X			13,492	5.31%
5	H1428	Heinz	Thick	VFFNPtsw*	X		X	11,727	4.62%
6	SV8011TM	Seminis	Intermediate	VFFNtsw	X			11,007	4.33%
7	H4707	Heinz	Thick	VFFNP*			X	10,965	4.32%
8	HM3887	Harris Moran	Intermediate	VFFNtsw	X			10,768	4.24%
9	H2401	Heinz	Thick	VFFNP*			X	10,249	4.03%
10	N6415	Nunhems	Thick	VFFNPtsw*	X		X	8,940	3.52%
11	DRI319	Seminis	Thin	VFFNPtsw	X			8,567	3.37%
12	N6366	Nunhems	Thin	VFFNP				8,488	3.34%
13	HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	8,383	3.30%
14	BQ400	Woodbridge	Early	VFFNPtsw	X			6,796	2.67%
15	N6416	Nunhems	Early	VFNtsw	X			6,585	2.59%
16	N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	6,086	2.40%
17	BQ403	Woodbridge	Early	VFFNPtsw	X			4,178	1.64%
18	H1293	Heinz	Pear	VFFNPtsw	X			3,645	1.43%
19	HM7885	Harris Moran	Pear	VFNtsw*			X	3,442	1.35%
20	HM4909	Harris Moran	Intermediate	VFFNtswFr	X			3,434	1.35%
21	H8504	Heinz	Thick	VFFNP*			X	3,116	1.23%
22	H5508	Heinz	Thick	VFFNtsw*	X		X	3,088	1.22%
23	N6402	Nunhems	Thin	VFFNPtsw	X			2,978	1.17%
24	HM1892	Harris Moran	Intermediate	VFFNP*			X	2,669	1.05%
25	H5702	Heinz	Thick	VFFNP*			X	2,225	0.88%
26	N6420	Nunhems	Pear	VFFNtsw	X			2,074	0.82%
27	UG19406	United Genetics	Intermediate	VFFNP*			X	1,929	0.76%
28	H9663	Heinz	Thick	VFFNP				1,774	0.70%
29	N6426	Nunhems	Thick	VFFNtswLv*	X		X	1,741	0.69%
30	UG16112	United Genetics	Thick	VFFNtsw*	X		X	1,723	0.68%
31	BOS811	Orsetti	Intermediate	VFFNtsw	X			1,480	0.58%
32	UG15212	United Genetics	Thick	VFFNtsw*	X		X	1,440	0.57%
33	N6434	Nunhems	Intermediate	VFFNtsw*	X	X	x	1,389	0.55%
34	UG16609	United Genetics	Thin	VFFNPtsw	X			1,377	0.54%
35	H1662	Heinz	Thick	VFFNPtswLv	X	X		1,266	0.50%
36	H1292	Heinz	Pear	VFFNPtsw	X			1,203	0.47%
37	H5728	Heinz	Thick	VFFNP*			X	1,175	0.46%
38	SVTM5655	Seminis	Intermediate	VFFNtsw	X			907	0.36%
39	SVTM1082	Seminis	Thin	VFFNPtsw	X	X		772	0.30%
40	N6397	Nunhems	Early	VFFN				605	0.24%
	All Others	Various	Various					8,424	3.32%
SOUTH								254,089	100.00%

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 Top 40 Varieties

Central Region

Based on 10/6/18 PTAB Reports

Rank	Variety	Supplier	Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads
1	AB0311	Seminis	Thin	VFFNPtsw	X			10,589	12.06%
2	DRI319	Seminis	Thin	VFFNPtsw	X			9,238	10.52%
3	H4707	Heinz	Thick	VFFNP*			X	8,197	9.33%
4	N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	7,218	8.22%
5	H2401	Heinz	Thick	VFFNP*			X	5,355	6.10%
6	N6415	Nunhems	Thick	VFFNPtsw*	X		X	4,625	5.27%
7	SV8011TM	Seminis	Intermediate	VFFNtsw	X			4,438	5.05%
8	H1428	Heinz	Thick	VFFNPtsw*	X		X	4,375	4.98%
9	N6366	Nunhems	Thin	VFFNP				2,961	3.37%
10	H5702	Heinz	Thick	VFFNP*			X	2,310	2.63%
11	H1293	Heinz	Pear	VFFNPtsw	X			2,287	2.60%
12	HM1892	Harris Moran	Intermediate	VFFNP*			X	2,070	2.36%
13	H5608	Heinz	Thick	VFFNPtsw	X			2,058	2.34%
14	H8504	Heinz	Thick	VFFNP*			X	2,055	2.34%
15	HM9905	Harris Moran	Intermediate	VFFN*			X	1,670	1.90%
16	H1662	Heinz	Thick	VFFNPtswLv	X	X		1,454	1.66%
17	UG19406	United Genetics	Intermediate	VFFNP*			X	1,403	1.60%
18	HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	1,335	1.52%
19	BQ273	Woodbridge	Early	VFFNPtsw	X			1,315	1.50%
20	H9780	Heinz	Intermediate	VFFNP*			X	1,216	1.38%
21	HM3887	Harris Moran	Intermediate	VFFNtsw	X			866	0.99%
22	N6402	Nunhems	Thin	VFFNPtsw	X			737	0.84%
23	HM5900	Harris Moran	Intermediate	VFFNtsw	X			662	0.75%
24	HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	621	0.71%
25	SVTM1082	Seminis	Thin	VFFNPtsw	X	X		610	0.69%
26	SV2756TM	Seminis	Thick	VFFNtsw	X		X	587	0.67%
27	N6420	Nunhems	Pear	VFFNtsw	X			587	0.67%
28	H5715	Heinz	Thick	VFFNP*			X	566	0.64%
29	N6434	Nunhems	Intermediate	VFFNPtsw*	X	X	x	440	0.50%
30	H1175	Heinz	Thick	VFFN*			X	436	0.50%
31	HM7885	Harris Moran	Pear	VFFNP*			X	357	0.41%
32	H9663	Heinz	Thick	VFFNP				339	0.39%
33	HM4909	Harris Moran	Intermediate	VFFNtswFr	X			328	0.37%
34	Shasta	Harris Moran	Early	VF				307	0.35%
35	UG16112	United Genetics	Thick	VFFNPtsw*	X		X	306	0.35%
36	H1292	Heinz	Pear	VFFNPtsw	X			295	0.34%
37	BQ403	Woodbridge	Early	VFFNPtsw	X			266	0.30%
38	BQ400	Woodbridge	Early	VFFNPtsw	X			255	0.29%
39	H5508	Heinz	Thick	VFFNPtsw*	X		X	244	0.28%
40	BOS66509	Orsetti	Early	VFFNP				238	0.27%
	All Others	Various	Various					2,595	2.96%
CENTRAL								87,811	100.00%

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 Top 40 Varieties

North Region

Based on 10/6/18 PTAB Reports

Rank	Variety	Supplier	Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads
1	N6428	Nunhems	Intermediate	VFFFNptsw*	X	X	X	13,582	11.22%
2	H1662	Heinz	Thick	VFFFNptswLv	X	X		7,060	5.83%
3	H5702	Heinz	Thick	VFFNP*			X	6,857	5.66%
4	BQ273	Woodbridge	Early	VFFNPtsw	X			6,625	5.47%
5	AB0311	Seminis	Thin	VFFNPtsw	X			5,984	4.94%
6	DRI319	Seminis	Thin	VFFNPtsw	X			5,876	4.85%
7	H5608	Heinz	Thick	VFFNPtsw	X			5,451	4.50%
8	H4707	Heinz	Thick	VFFNP*			X	5,395	4.46%
9	HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	5,120	4.23%
10	HM3887	Harris Moran	Intermediate	VFFNtsw	X			4,362	3.60%
11	SV8011TM	Seminis	Intermediate	VFFNtsw	X			4,261	3.52%
12	H1428	Heinz	Thick	VFFNPtsw*	X		X	3,831	3.16%
13	H1310	Heinz	Thick	VFFFNptsw	X	X		3,185	2.63%
14	UG19406	United Genetics	Intermediate	VFFNP*			X	3,136	2.59%
15	BP13	BHN Seed	Early	VFFFNptsw	X	X		3,025	2.50%
16	H5708	Heinz	Thick	VFFNP*			X	2,971	2.45%
17	H1015	Heinz	Early	VFFNP*			X	2,947	2.43%
18	HM4909	Harris Moran	Intermediate	VFFNtswFr	X			2,256	1.86%
19	H2401	Heinz	Thick	VFFNP*			X	2,098	1.73%
20	H1422	Heinz	Thick	VFFFNp*		X	X	1,986	1.64%
21	N6434	Nunhems	Intermediate	VFFFNtsw*	X	X	x	1,913	1.58%
22	HM9905	Harris Moran	Intermediate	VFFN*			X	1,415	1.17%
23	BQ400	Woodbridge	Early	VFFNPtsw	X			1,266	1.05%
24	N6416	Nunhems	Early	VFNptsw	X			1,265	1.04%
25	HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	1,190	0.98%
26	Shasta	Harris Moran	Early	VF				1,179	0.97%
27	HM5235	Harris Moran	Intermediate	VFFFNtsw	X	X		1,159	0.96%
28	HM58841	Harris Moran	Intermediate	VFFNtsw*	X		X	978	0.81%
29	CXD255	Harris Moran	Intermediate	VFFNP				947	0.78%
30	H1293	Heinz	Pear	VFFNPtsw	X			811	0.67%
31	BQ141	Woodbridge	Intermediate	VFFFNptsw	X	X		800	0.66%
32	HM7885	Harris Moran	Pear	VFNp*			X	780	0.64%
33	SVTM1082	Seminis	Thin	VFFFNptsw	X	X		720	0.59%
34	IVF5234	Seeds of Solution	Intermediate	VFFNP				657	0.54%
35	SV2493TM	Seminis	Intermediate	VFFFNptsw	X	X		642	0.53%
36	N6415	Nunhems	Thick	VFFNPtsw*	X		X	631	0.52%
37	HP849	Seminis	Intermediate	VFFNP*			X	585	0.48%
38	N6397	Nunhems	Early	VFFN				534	0.44%
39	N6420	Nunhems	Pear	VFFNtsw	X			520	0.43%
40	BQ403	Woodbridge	Early	VFFNPtsw	X			518	0.43%
	All Others							6,575	5.43%
NORTH								121,093	100.00%

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 California Processing Tomato

Variety Use Category Detail

Based on PTAB 10/6/18

Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Early	BQ273	Woodbridge	VFFNPtsw	X			42,112	56.48%	5.18	21.41	1.4	0.4	4.38
Early	BQ400	Woodbridge	VFFNPtsw	X			8,317	11.15%	5.01	20.78	1.3	0.3	4.51
Early	N6416	Nunhems	VFNptsw	X			7,874	10.56%	4.68	21.64	1.8	0.3	4.36
Early	BQ403	Woodbridge	VFFNPtsw	X			4,962	6.65%	5.12	21.43	1.9	0.2	4.35
Early	BP13	BHN Seed	VFFNPtsw	X	X		3,128	4.19%	4.53	22.39	1.7	0.3	4.44
Early	H1015	Heinz	VFFNP*			X	2,947	3.95%	4.88	21.86	1.1	0.4	4.48
Early	Shasta	Harris Moran	VF				1,486	1.99%	5.08	22.69	2.7	0.3	4.29
Early	N6397	Nunhems	VFFN				1,263	1.69%	5.07	21.13	1.5	0.5	4.44
Early	HM58881	Harris Moran	VFFNtsw	X			413	0.55%	4.76	20.76	1.1	0.3	4.40
Early	CXD187	Harris Moran	VFFNP				352	0.47%	4.63	20.74	2.5	0.6	4.40
Early	SV0599TM	Seminis	VFF				312	0.42%	5.30	21.75	0.8	0.4	4.36
Early	APT410	Seminis	VFFNP				299	0.40%	4.64	23.25	1.9	0.5	4.48
Early	BQ401	Woodbridge	VFFNPtsw	X			259	0.35%	5.16	21.32	0.8	0.2	4.43
Early	SVTM9000	Seminis	VFFNPtswLv	X			253	0.34%	4.87	21.17	1.3	0.3	4.46
Early	BOS66509	Orsetti	VFFNP				238	0.32%	4.78	21.46	1.9	0.1	4.35
Early	BQ413	Woodbridge	VFFNtsw	X	X		155	0.21%	4.78	21.45	1.8	1.0	4.55
Early	H1765	Heinz	VFFNPtsw	X			98	0.13%	5.85	21.32	3.6	0.1	4.50
Early	N6436	Nunhems	VFFNPtsw	X			95	0.13%	4.67	22.05	1.5	1.1	4.49
Early	HM1893	Harris Moran	VFFNtsw	X			2	0.00%	5.05	21.75	2.3	0.3	4.49
Early	BQ270	Woodbridge	VFFNtsw	X			1	0.00%	5.50	20.00	0.5	0.5	4.29
Early	BQ312	Woodbridge	VFFNtsw	X			1	0.00%	5.50	21.00	1.0	0.0	4.34
Early Total							74,567	100.00%	5.05	21.45	1.5	0.4	4.40
Thin	AB0311	Seminis	VFFNPtsw	X			37,081	46.06%	5.63	20.69	1.8	2.2	4.41
Thin	DRI319	Seminis	VFFNPtsw	X			23,681	29.41%	5.64	21.49	2.3	1.7	4.42
Thin	N6366	Nunhems	VFFNP				11,664	14.49%	5.20	20.92	2.1	0.5	4.43
Thin	N6402	Nunhems	VFFNPtsw	X			3,716	4.62%	5.41	20.73	1.7	0.8	4.47
Thin	SVTM1082	Seminis	VFFNPtsw	X	X		2,102	2.61%	5.36	21.36	1.5	1.2	4.36
Thin	UG16609	United Genetics	VFFNPtsw	X			1,410	1.75%	5.38	20.84	1.9	0.8	4.39
Thin	HM4326	Harris Moran	VFFNtsw	X			386	0.48%	5.58	21.78	3.1	7.0	4.51
Thin	H1161	Heinz	VFFNP				229	0.28%	5.35	21.78	1.4	1.8	4.34
Thin	UG27713	United Genetics	VFFNPtsw	X			132	0.16%	5.86	19.91	3.9	4.4	4.58
Thin	N6407	Nunhems	VFFNPtsw*	X		X	79	0.10%	5.83	21.06	0.9	1.0	4.40
Thin	BP43	BHN Seed	VFFNPtsw	X	X		16	0.02%	5.82	21.23	0.7	1.5	4.35
Thin	BQ205	Woodbridge	VFFNP				9	0.01%	4.99	21.00	2.9	2.5	4.38
Thin	FM1115	Harris Moran	VFFN				5	0.01%	4.94	20.10	1.0	0.6	4.39
Thin	BQ163	Woodbridge	VFFNP				1	0.00%	5.70	19.50	3.0	0.0	4.40
Thin	HMX4884	Harris Moran	VFFNPtsw	X			1	0.00%	4.20	22.50	0.0	0.0	4.36
Thin Total							80,512	100.00%	5.55	20.99	2.0	1.7	4.42
Intermediate	N6428	Nunhems	VFFNPtsw*	X	X	X	26,886	25.19%	4.77	21.90	1.4	1.7	4.48
Intermediate	SV8011TM	Seminis	VFFNtsw	X			19,796	18.54%	5.11	20.65	1.0	2.1	4.44
Intermediate	HM3887	Harris Moran	VFFNtsw	X			15,996	14.98%	5.44	21.24	1.5	1.4	4.46
Intermediate	UG19406	United Genetics	VFFNP*			X	6,468	6.06%	5.26	21.54	1.0	2.3	4.34
Intermediate	HM4909	Harris Moran	VFFNtswFr	X			6,018	5.64%	5.34	21.71	1.0	1.6	4.29
Intermediate	HM1892	Harris Moran	VFFNP*			X	4,916	4.61%	5.22	21.00	1.7	1.1	4.51
Intermediate	N6434	Nunhems	VFFNtsw*	X	X	x	3,742	3.51%	5.01	21.95	1.3	2.0	4.46

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Category	Variety	Supplier	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Intermediate	HM9905	Harris Moran	VFFN*			X	3,085	2.89%	4.93	21.12	0.8	1.2	4.49
Intermediate	BOS811	Orsetti	VFFNtsw	X			1,986	1.86%	5.03	20.46	0.6	1.5	4.39
Intermediate	HM3888	Harris Moran	VFFNtsw*	X		X	1,811	1.70%	5.37	21.64	1.1	1.5	4.50
Intermediate	HM5235	Harris Moran	VFFFNtsw	X	X		1,734	1.62%	5.25	20.35	1.9	2.4	4.48
Intermediate	HM58841	Harris Moran	VFFNtsw*	X		X	1,535	1.44%	5.35	21.55	0.8	2.3	4.41
Intermediate	H9780	Heinz	VFFNP*			X	1,216	1.14%	5.55	20.89	2.1	1.3	4.39
Intermediate	HM5900	Harris Moran	VFFNtsw	X			1,117	1.05%	5.54	21.46	1.6	1.2	4.36
Intermediate	HM58801	Harris Moran	VFFFNtsw	X	X		1,027	0.96%	5.34	21.51	1.9	1.6	4.49
Intermediate	SV2493TM	Seminis	VFFFNptsw	X	X		982	0.92%	4.80	21.76	2.4	2.5	4.49
Intermediate	SVTM5655	Seminis	VFFNtsw	X			952	0.89%	5.20	21.20	1.0	5.2	4.53
Intermediate	CXD255	Harris Moran	VFFNP				947	0.89%	4.81	22.56	1.5	0.9	4.37
Intermediate	BQ141	Woodbridge	VFFFNptsw	X	X		933	0.87%	4.55	21.86	2.5	1.0	4.45
Intermediate	HM4521	Harris Moran	VFFNtsw*	X		X	818	0.77%	5.16	21.92	0.8	1.7	4.38
Intermediate	IVF5234	Seeds of Solution	VFFNP				657	0.62%	5.05	21.98	2.4	0.9	4.31
Intermediate	UG9436	United Genetics	VFFNP				638	0.60%	4.79	20.23	1.6	1.1	4.45
Intermediate	HM58871	Harris Moran	VFFNtsw	X			593	0.56%	5.50	21.99	0.9	2.8	4.42
Intermediate	HP849	Seminis	VFFNP*			X	585	0.55%	4.77	21.65	0.7	1.5	4.37
Intermediate	H9491	Heinz	VFFNP				377	0.35%	4.66	22.00	2.4	1.0	4.37
Intermediate	BQ398	Woodbridge	VFFNtsw	X			325	0.30%	5.11	20.96	1.0	3.0	4.43
Intermediate	N6440	Nunhems	VFFFNtsw*	X	X	X	299	0.28%	4.58	21.85	0.8	1.6	4.45
Intermediate	BP16	BHN Seed	VFFFNptsw	X	X		261	0.24%	5.05	21.40	0.4	0.6	4.43
Intermediate	H1170	Heinz	VFFN*			X	250	0.23%	4.86	21.58	0.9	0.7	4.40
Intermediate	BP2	BHN Seed	VFFFNptsw	X	X		179	0.17%	5.10	20.56	0.7	0.9	4.49
Intermediate	SVTM9003	Seminis	VFFNptsw*	X		X	147	0.14%	5.68	21.69	1.0	0.7	4.31
Intermediate	BOS3842	Orsetti	VFFNptsw	X			115	0.11%	5.03	21.04	1.1	0.4	4.40
Intermediate	N6410	Nunhems	VFFN*			X	77	0.07%	5.12	22.73	2.2	5.8	4.56
Intermediate	N6429	Nunhems	VFFFNtswLv*	X	X	X	63	0.06%	4.38	21.79	0.7	0.5	4.48
Intermediate	BP32	BHN Seed	VFFFNptswXv	X	X	X	62	0.06%	5.75	21.18	1.4	2.3	4.43
Intermediate	BQ411	Woodbridge	VFFFNtsw	X	X		52	0.05%	4.91	20.82	3.5	3.3	4.45
Intermediate	BQ422	Woodbridge	VFFFNtsw	X	X		46	0.04%	4.73	20.99	3.4	2.2	4.45
Intermediate	HM9905	Harris Moran	VFFN*			X	24	0.02%	5.03	20.58	0.8	0.8	4.54
Intermediate	BP42	BHN Seed	VFFFNptsw	X	X		17	0.02%	5.34	20.88	2.4	1.3	4.41
Intermediate	UG1813	United Genetics	VFFNtsw	X			8	0.01%	5.04	21.50	1.4	0.7	4.40
Intermediate	N6404	Nunhems	VFFNptsw	X			5	0.00%	5.08	21.20	1.3	0.4	4.45
Intermediate	HM5522	Harris Moran	VFFNtswFr	X			4	0.00%	5.33	19.63	0.3	0.3	4.29
Intermediate	US11336	US Agriseeds	VFFNtsw	X			2	0.00%	5.25	19.75	0.5	0.5	4.33
Intermediate	BP26	BHN Seed	VFFFNptsw	X	X		1	0.00%	4.70	20.50	0.0	1.0	4.46
Intermediate	BQ323	Woodbridge	VFFNtsw	X			1	0.00%	6.10	20.00	0.5	0.5	4.28
Intermediate Total							106,753	100.00%	5.10	21.37	1.3	1.8	4.44
Thick	H4707	Heinz	VFFNP*			X	24,557	13.29%	4.79	22.64	0.7	1.6	4.45
Thick	H5608	Heinz	VFFNptsw	X			21,477	11.62%	4.79	20.89	1.2	1.6	4.45
Thick	SV2756TM	Seminis	VFFNtsw	X		X	20,645	11.17%	5.15	21.79	1.0	1.4	4.50
Thick	H1428	Heinz	VFFNptsw*	X		X	19,933	10.78%	4.74	21.18	0.6	2.3	4.50
Thick	H2401	Heinz	VFFNP*			X	17,702	9.58%	4.70	21.73	1.2	1.8	4.39
Thick	HM4885	Harris Moran	VFFNptsw*	X		X	14,838	8.03%	4.95	21.10	0.9	2.1	4.38
Thick	N6415	Nunhems	VFFNptsw*	X		X	14,248	7.71%	4.77	21.44	1.2	2.0	4.45
Thick	H5702	Heinz	VFFNP*			X	11,392	6.16%	4.70	21.09	0.7	1.6	4.48
Thick	H1662	Heinz	VFFFNptswLv	X	X		9,780	5.29%	4.91	22.19	1.3	1.9	4.47

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Category	Variety	Supplier	Disease Resistance	TSW	F3	EF3	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Thick	H8504	Heinz	VFFNP*			X	5,632	3.05%	4.96	21.69	1.0	2.2	4.42
Thick	H5508	Heinz	VFFNtsw*	X		X	3,592	1.94%	4.58	21.46	0.5	2.3	4.48
Thick	H1310	Heinz	VFFNPtsw	X	X		3,213	1.74%	4.80	21.75	1.0	2.0	4.49
Thick	H5708	Heinz	VFFNP*			X	3,003	1.62%	4.62	21.06	0.6	1.4	4.40
Thick	H9663	Heinz	VFFNP				2,113	1.14%	4.71	20.03	1.8	6.6	4.48
Thick	UG16112	United Genetics	VFFNtsw*	X		X	2,029	1.10%	4.80	21.74	0.6	1.6	4.42
Thick	H1422	Heinz	VFFNP*		X	X	1,986	1.07%	4.88	21.68	1.2	2.0	4.44
Thick	N6426	Nunhems	VFFNtswLv*	X		X	1,966	1.06%	4.90	20.64	1.7	1.8	4.50
Thick	UG15212	United Genetics	VFFNtsw*	X		X	1,587	0.86%	4.52	21.43	1.0	1.8	4.42
Thick	H5728	Heinz	VFFNP*			X	1,175	0.64%	4.51	21.81	0.6	6.4	4.56
Thick	H5715	Heinz	VFFNP*			X	990	0.54%	4.94	21.41	0.5	2.9	4.45
Thick	HM58811	Harris Moran	VFFNtsw*	X		X	931	0.50%	5.21	21.54	0.8	1.5	4.40
Thick	H1175	Heinz	VFFN*			X	436	0.24%	4.66	20.23	0.4	0.8	4.58
Thick	SVTM9007	Seminis	VFFNPtsw	X			387	0.21%	5.06	21.78	1.4	2.7	4.55
Thick	H5710	Heinz	VFFNP				313	0.17%	4.79	21.83	0.8	8.2	4.59
Thick	SV6133TM	Seminis	VFFNtsw	X			265	0.14%	5.34	20.89	1.1	2.2	4.54
Thick	Misc	Heinz					229	0.12%	4.81	21.05	1.9	1.7	4.49
Thick	N6441	Nunhems	VFFNtsw*	X	X	X	140	0.08%	4.76	21.07	0.8	1.1	4.46
Thick	H1776	Heinz	VFFNPtsw*	X			138	0.07%	4.93	21.24	0.8	1.8	4.43
Thick	SVTM2303	Seminis	VFFNtsw	X			57	0.03%	4.39	20.16	2.1	4.8	4.53
Thick	H1311VHL™	Heinz	VFFN*			X	51	0.03%	5.71	20.69	1.0	0.4	4.36
Thick	H5701	Heinz	VFFNP*			X	23	0.01%	4.79	21.57	1.2	0.9	4.45
Thick	BP34	BHN Seed	VFFNPtsw*	X	X	X	9	0.00%	4.69	20.56	1.9	2.1	4.49
Thick	SVTM9008	Seminis	VFFNPtsw*	X		X	4	0.00%	4.15	22.25	0.4	1.6	4.36
Thick	H1885	Heinz	VFFNPtsw	X	X		3	0.00%	5.03	20.50	0.5	1.7	4.41
Thick Total							184,844	100.00%	4.83	21.55	1.0	1.9	4.45
Pear	H1293	Heinz	VFFNPtsw	X			6,743	40.79%	5.47	20.62	1.2	1.4	4.54
Pear	HM7885	Harris Moran	VFFNP*			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	VFFNtsw	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
Misc Total							1,320	100.00%	5.07	21.57	2.3	1.7	4.46
STATEWIDE ALL							464,529	100.00%	5.07	21.37	1.3	1.6	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

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Supplier Detail

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Supplier	Variety	Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
BHN Seed	BP13	Early	VFFFNPTsw	X	X		3,128	85.16%	4.53	22.39	1.7	0.3	4.44
BHN Seed	BP16	Intermediate	VFFFNPTsw	X	X		261	7.11%	5.05	21.40	0.4	0.6	4.43
BHN Seed	BP2	Intermediate	VFFFNPTsw	X	X		179	4.87%	5.10	20.56	0.7	0.9	4.49
BHN Seed	BP32	Intermediate	VFFFNPTswXv*	X	X	X	62	1.69%	5.75	21.18	1.4	2.3	4.43
BHN Seed	BP42	Intermediate	VFFFNPTsw	X	X		17	0.46%	5.34	20.88	2.4	1.3	4.41
BHN Seed	BP43	Thin	VFFFNPTsw	X	X		16	0.44%	5.82	21.23	0.7	1.5	4.35
BHN Seed	BP34	Thick	VFFFNPTsw*	X	X	X	9	0.25%	4.69	20.56	1.9	2.1	4.49
BHN Seed	BP26	Intermediate	VFFFNPTsw	X	X		1	0.03%	4.70	20.50	0.0	1.0	4.46
BHN Seed Total							3,673	100.00%	4.63	22.19	1.6	0.4	4.44
Harris Moran	HM3887	Intermediate	VFFNtsw	X			15,996	25.55%	5.44	21.24	1.5	1.4	4.46
Harris Moran	HM4885	Thick	VFFNPTsw*	X		X	14,838	23.70%	4.95	21.10	0.9	2.1	4.38
Harris Moran	HM4909	Intermediate	VFFNtswFr	X			6,018	9.61%	5.34	21.71	1.0	1.6	4.29
Harris Moran	HM1892	Intermediate	VFFNP*			X	4,916	7.85%	5.22	21.00	1.7	1.1	4.51
Harris Moran	HM7885	Pear	VFNP*			X	4,579	7.31%	4.88	21.29	1.0	1.2	4.58
Harris Moran	HM9905	Intermediate	VFFN*			X	3,085	4.93%	4.93	21.12	0.8	1.2	4.49
Harris Moran	HM3888	Intermediate	VFFNtsw*	X		X	1,811	2.89%	5.37	21.64	1.1	1.5	4.50
Harris Moran	HM5235	Intermediate	VFFFNtsw	X	X		1,734	2.77%	5.25	20.35	1.9	2.4	4.48
Harris Moran	HM58841	Intermediate	VFFNtsw*	X		X	1,535	2.45%	5.35	21.55	0.8	2.3	4.41
Harris Moran	Shasta	Early	VF				1,486	2.37%	5.08	22.69	2.7	0.3	4.29
Harris Moran	HM5900	Intermediate	VFFNtsw	X			1,117	1.78%	5.54	21.46	1.6	1.2	4.36
Harris Moran	HM58801	Intermediate	VFFFNtsw	X	X		1,027	1.64%	5.34	21.51	1.9	1.6	4.49
Harris Moran	CXD255	Intermediate	VFFNP				947	1.51%	4.81	22.56	1.5	0.9	4.37
Harris Moran	HM58811	Thick	VFFNtsw*	X		X	931	1.49%	5.21	21.54	0.8	1.5	4.40
Harris Moran	HM4521	Intermediate	VFFNtsw*	X		X	818	1.31%	5.16	21.92	0.8	1.7	4.38
Harris Moran	HM58871	Intermediate	VFFNtsw	X			593	0.95%	5.50	21.99	0.9	2.8	4.42
Harris Moran	HM58881	Early	VFFNtsw	X			413	0.66%	4.76	20.76	1.1	0.3	4.40
Harris Moran	HM4326	Thin	VFFNtsw	X			386	0.62%	5.58	21.78	3.1	7.0	4.51
Harris Moran	CXD187	Early	VFFNP				352	0.56%	4.63	20.74	2.5	0.6	4.40
Harris Moran	HM9905	Intermediate	VFFN*			X	24	0.04%	5.03	20.58	0.8	0.8	4.54
Harris Moran	FM1115	Thin	VFFN				5	0.01%	4.94	20.10	1.0	0.6	4.39
Harris Moran	HM5522	Intermediate	VFFNtswFr	X			4	0.01%	5.33	19.63	0.3	0.3	4.29
Harris Moran	HM1893	Early	VFFNtsw	X			2	0.00%	5.05	21.75	2.3	0.3	4.49
Harris Moran	HMX4884	Thin	VFFNPtsw	X			1	0.00%	4.20	22.50	0.0	0.0	4.36
Harris Moran Total							62,618	100.00%	5.19	21.31	1.3	1.6	4.43
Heinz	H4707	Thick	VFFNP*			X	24,557	17.34%	4.79	22.64	0.7	1.6	4.45
Heinz	H5608	Thick	VFFNPtsw	X			21,477	15.16%	4.79	20.89	1.2	1.6	4.45
Heinz	H1428	Thick	VFFNPtsw*	X		X	19,933	14.07%	4.74	21.18	0.6	2.3	4.50
Heinz	H2401	Thick	VFFNP*			X	17,702	12.50%	4.70	21.73	1.2	1.8	4.39
Heinz	H5702	Thick	VFFNP*			X	11,392	8.04%	4.70	21.09	0.7	1.6	4.48
Heinz	H1662	Thick	VFFFNPTswLv	X	X		9,780	6.91%	4.91	22.19	1.3	1.9	4.47
Heinz	H1293	Pear	VFFNPtsw	X			6,743	4.76%	5.47	20.62	1.2	1.4	4.54
Heinz	H8504	Thick	VFFNP*			X	5,632	3.98%	4.96	21.69	1.0	2.2	4.42
Heinz	H5508	Thick	VFFNtsw*	X		X	3,592	2.54%	4.58	21.46	0.5	2.3	4.48
Heinz	H1310	Thick	VFFFNPTsw	X	X		3,213	2.27%	4.80	21.75	1.0	2.0	4.49
Heinz	H5708	Thick	VFFNP*			X	3,003	2.12%	4.62	21.06	0.6	1.4	4.40
Heinz	H1015	Early	VFFNP*			X	2,947	2.08%	4.88	21.86	1.1	0.4	4.48

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Supplier	Variety	Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Heinz	H9663	Thick	VFFNP				2,113	1.49%	4.71	20.03	1.8	6.6	4.48
Heinz	H1422	Thick	VFFFNP*		X	X	1,986	1.40%	4.88	21.68	1.2	2.0	4.44
Heinz	H1292	Pear	VFFNPtsw	X			1,599	1.13%	5.41	20.79	2.5	0.9	4.54
Heinz	H9780	Intermediate	VFFNP*			X	1,216	0.86%	5.55	20.89	2.1	1.3	4.39
Heinz	H5728	Thick	VFFNP*			X	1,175	0.83%	4.51	21.81	0.6	6.4	4.56
Heinz	H5715	Thick	VFFNP*			X	990	0.70%	4.94	21.41	0.5	2.9	4.45
Heinz	H1175	Thick	VFFN*			X	436	0.31%	4.66	20.23	0.4	0.8	4.58
Heinz	H9491	Intermediate	VFFNP				377	0.27%	4.66	22.00	2.4	1.0	4.37
Heinz	H5710	Thick	VFFNP				313	0.22%	4.79	21.83	0.8	8.2	4.59
Heinz	H1538	Pear	VFFNtsw	X			290	0.20%	5.36	20.78	0.9	0.7	4.42
Heinz	H1170	Intermediate	VFFN*			X	250	0.18%	4.86	21.58	0.9	0.7	4.40
Heinz	H1161	Thin	VFFNP				229	0.16%	5.35	21.78	1.4	1.8	4.34
Heinz	Misc	Thick					229	0.16%	4.81	21.05	1.9	1.7	4.49
Heinz	H1421	Pear	VFFFNtsw	X	X		141	0.10%	5.12	19.77	2.4	1.7	4.45
Heinz	H1776	Thick	VFFNPtsw*	X			138	0.10%	4.93	21.24	0.8	1.8	4.43
Heinz	H1765	Early	VFFNPtsw	X			98	0.07%	5.85	21.32	3.6	0.1	4.50
Heinz	H1311VHL™	Thick	VFFN*			X	51	0.04%	5.71	20.69	1.0	0.4	4.36
Heinz	H5701	Thick	VFFNP*			X	23	0.02%	4.79	21.57	1.2	0.9	4.45
Heinz	H1885	Thick	VFFFNPtsw	X	X		3	0.00%	5.03	20.50	0.5	1.7	4.41
Heinz Total							141,628	100.00%	4.82	21.54	1.0	1.9	4.46
Nunhems	N6428	Intermediate	VFFFNPtsw*	X	X	X	26,886	35.71%	4.77	21.90	1.4	1.7	4.48
Nunhems	N6415	Thick	VFFNPtsw*	X		X	14,248	18.92%	4.77	21.44	1.2	2.0	4.45
Nunhems	N6366	Thin	VFFNP				11,664	15.49%	5.20	20.92	2.1	0.5	4.43
Nunhems	N6416	Early	VFNPTsw	X			7,874	10.46%	4.68	21.64	1.8	0.3	4.36
Nunhems	N6434	Intermediate	VFFFNtsw*	X	X	x	3,742	4.97%	5.01	21.95	1.3	2.0	4.46
Nunhems	N6402	Thin	VFFNPtsw	X			3,716	4.94%	5.41	20.73	1.7	0.8	4.47
Nunhems	N6420	Pear	VFFNtsw	X			3,181	4.22%	5.05	21.23	1.4	1.6	4.53
Nunhems	N6426	Thick	VFFNtswLv*	X		X	1,966	2.61%	4.90	20.64	1.7	1.8	4.50
Nunhems	N6397	Early	VFFN				1,263	1.68%	5.07	21.13	1.5	0.5	4.44
Nunhems	N6440	Intermediate	VFFFNtsw*	X	X	X	299	0.40%	4.58	21.85	0.8	1.6	4.45
Nunhems	N6441	Thick	VFFFNtsw*	X	X	X	140	0.19%	4.76	21.07	0.8	1.1	4.46
Nunhems	N6436	Early	VFFNPtsw	X			95	0.13%	4.67	22.05	1.5	1.1	4.49
Nunhems	N6407	Thin	VFFNPtsw*	X		X	79	0.10%	5.83	21.06	0.9	1.0	4.40
Nunhems	N6410	Intermediate	VFFN*			X	77	0.10%	5.12	22.73	2.2	5.8	4.56
Nunhems	N6429	Intermediate	VFFFNtswLv*	X	X	X	63	0.08%	4.38	21.79	0.7	0.5	4.48
Nunhems	N6404	Intermediate	VFFNPtsw	X			5	0.01%	5.08	21.20	1.3	0.4	4.45
Nunhems Total							75,298	100.00%	4.89	21.50	1.5	1.4	4.46
Orsetti	BOS811	Intermediate	VFFNtsw	X			1,986	84.91%	5.03	20.46	0.6	1.5	4.39
Orsetti	BOS66509	Early	VFFNP				238	10.18%	4.78	21.46	1.9	0.1	4.35
Orsetti	BOS3842	Intermediate	VFFNPtsw	X			115	4.92%	5.03	21.04	1.1	0.4	4.40
Orsetti Total							2,339	100.00%	5.00	20.59	0.8	1.3	4.39
Seeds of Solution	IVF5234	Intermediate	VFFNP				657	100.00%	5.05	21.98	2.4	0.9	4.31
Seeds of Solution Total							657	100.00%	5.05	21.98	2.4	0.9	4.31
Seminis	AB0311	Thin	VFFNPtsw	X			37,081	34.48%	5.63	20.69	1.8	2.2	4.41
Seminis	DRI319	Thin	VFFNPtsw	X			23,681	22.02%	5.64	21.49	2.3	1.7	4.42
Seminis	SV2756TM	Thick	VFFNtsw	X		X	20,645	19.20%	5.15	21.79	1.0	1.4	4.50

2018 California Processing Tomato

Supplier Detail

Based on PTAB 10/6/18

Supplier	Variety	Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Seminis	SV8011TM	Intermediate	VFFNtsw	X			19,796	18.41%	5.11	20.65	1.0	2.1	4.44
Seminis	SVTM1082	Thin	VFFFNtsw	X	X		2,102	1.95%	5.36	21.36	1.5	1.2	4.36
Seminis	SV2493TM	Intermediate	VFFFNtsw	X	X		982	0.91%	4.80	21.76	2.4	2.5	4.49
Seminis	SVTM5655	Intermediate	VFFNtsw	X			952	0.89%	5.20	21.20	1.0	5.2	4.53
Seminis	HP849	Intermediate	VFFNP*			X	585	0.54%	4.77	21.65	0.7	1.5	4.37
Seminis	SVTM9007	Thick	VFFNtsw	X			387	0.36%	5.06	21.78	1.4	2.7	4.55
Seminis	SV0599TM	Early	VFF				312	0.29%	5.30	21.75	0.8	0.4	4.36
Seminis	APT410	Early	VFFNP				299	0.28%	4.64	23.25	1.9	0.5	4.48
Seminis	SV6133TM	Thick	VFFNtsw	X			265	0.25%	5.34	20.89	1.1	2.2	4.54
Seminis	SVTM9000	Early	VFFNPtswLv	X			253	0.24%	4.87	21.17	1.3	0.3	4.46
Seminis	SVTM9003	Intermediate	VFFNPtsw*	X		X	147	0.14%	5.68	21.69	1.0	0.7	4.31
Seminis	SVTM2303	Thick	VFFNtsw	X			57	0.05%	4.39	20.16	2.1	4.8	4.53
Seminis	SVTM9008	Thick	VFFNPtsw*	X		X	4	0.00%	4.15	22.25	0.4	1.6	4.36
Seminis Total							107,548	100.00%	5.41	21.12	1.6	1.9	4.44
United Genetics	UG19406	Intermediate	VFFNP*			X	6,468	52.71%	5.26	21.54	1.0	2.3	4.34
United Genetics	UG16112	Thick	VFFNtsw*	X		X	2,029	16.53%	4.80	21.74	0.6	1.6	4.42
United Genetics	UG15212	Thick	VFFNtsw*	X		X	1,587	12.93%	4.52	21.43	1.0	1.8	4.42
United Genetics	UG16609	Thin	VFFNPtsw	X			1,410	11.49%	5.38	20.84	1.9	0.8	4.39
United Genetics	UG9436	Intermediate	VFFNP				638	5.20%	4.79	20.23	1.6	1.1	4.45
United Genetics	UG27713	Thin	VFFNPtsw	X			132	1.08%	5.86	19.91	3.9	4.4	4.58
United Genetics	UG1813	Intermediate	VFFNtsw	X			8	0.07%	5.04	21.50	1.4	0.7	4.40
United Genetics Total							12,272	100.00%	5.08	21.40	1.1	1.9	4.38
US Agriseeds	US11336	Intermediate	VFFNtsw	X			2	100.00%	5.25	19.75	0.5	0.5	4.33
US Agriseeds Total							2	100.00%	5.25	19.75	0.5	0.5	4.33
Woodbridge	BQ273	Early	VFFNPtsw	X			42,112	73.66%	5.18	21.41	1.4	0.4	4.38
Woodbridge	BQ400	Early	VFFNPtsw	X			8,317	14.55%	5.01	20.78	1.3	0.3	4.51
Woodbridge	BQ403	Early	VFFNPtsw	X			4,962	8.68%	5.12	21.43	1.9	0.2	4.35
Woodbridge	BQ141	Intermediate	VFFFNtsw	X	X		933	1.63%	4.55	21.86	2.5	1.0	4.45
Woodbridge	BQ398	Intermediate	VFFNtsw	X			325	0.57%	5.11	20.96	1.0	3.0	4.43
Woodbridge	BQ401	Early	VFFNPtsw	X			259	0.45%	5.16	21.32	0.8	0.2	4.43
Woodbridge	BQ413	Early	VFFFNtsw	X	X		155	0.27%	4.78	21.45	1.8	1.0	4.55
Woodbridge	BQ411	Intermediate	VFFFNtsw	X	X		52	0.09%	4.91	20.82	3.5	3.3	4.45
Woodbridge	BQ422	Intermediate	VFFFNtsw	X	X		46	0.08%	4.73	20.99	3.4	2.2	4.45
Woodbridge	BQ205	Thin	VFFNP				9	0.02%	4.99	21.00	2.9	2.5	4.38
Woodbridge	BQ270	Early	VFFNtsw	X			1	0.00%	5.50	20.00	0.5	0.5	4.29
Woodbridge	BQ312	Early	VFFNtsw	X			1	0.00%	5.50	21.00	1.0	0.0	4.34
Woodbridge	BQ163	Thin	VFFNP				1	0.00%	5.70	19.50	3.0	0.0	4.40
Woodbridge	BQ323	Intermediate	VFFNtsw	X			1	0.00%	6.10	20.00	0.5	0.5	4.28
Woodbridge Total							57,174	100.00%	5.14	21.32	1.4	0.4	4.40
Misc Total							1,320	100.00%	5.07	21.57	2.3	1.7	4.46
ALL	ALL	ALL					464,529	100.00%	5.07	21.37	1.3	1.6	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 California Processing Tomato

Solids Sort (High to Low) > 1,000 Loads

Based on PTAB 10/6/18

Variety	Supplier	Use Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
DRI319	Seminis	Thin	VFFNPtsw	X			23,681	5.10%	5.64	21.49	2.3	1.7	4.42
AB0311	Seminis	Thin	VFFNPtsw	X			37,081	7.98%	5.63	20.69	1.8	2.2	4.41
H9780	Heinz	Intermediate	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
HM5900	Harris Moran	Intermediate	VFFNtsw	X			1,117	0.24%	5.54	21.46	1.6	1.2	4.36
H1293	Heinz	Pear	VFFNPtsw	X			6,743	1.45%	5.47	20.62	1.2	1.4	4.54
HM3887	Harris Moran	Intermediate	VFFNtsw	X			15,996	3.44%	5.44	21.24	1.5	1.4	4.46
N6402	Nunhems	Thin	VFFNPtsw	X			3,716	0.80%	5.41	20.73	1.7	0.8	4.47
H1292	Heinz	Pear	VFFNPtsw	X			1,599	0.34%	5.41	20.79	2.5	0.9	4.54
UG16609	United Genetics	Thin	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	1,811	0.39%	5.37	21.64	1.1	1.5	4.50
SVTM1082	Seminis	Thin	VFFNPtsw	X	X		2,102	0.45%	5.36	21.36	1.5	1.2	4.36
HM58841	Harris Moran	Intermediate	VFFNtsw*	X		X	1,535	0.33%	5.35	21.55	0.8	2.3	4.41
HM58801	Harris Moran	Intermediate	VFFNtsw	X	X		1,027	0.22%	5.34	21.51	1.9	1.6	4.49
HM4909	Harris Moran	Intermediate	VFFNtswFr	X			6,018	1.30%	5.34	21.71	1.0	1.6	4.29
UG19406	United Genetics	Intermediate	VFFNP*			X	6,468	1.39%	5.26	21.54	1.0	2.3	4.34
HM5235	Harris Moran	Intermediate	VFFNtsw	X	X		1,734	0.37%	5.25	20.35	1.9	2.4	4.48
HM1892	Harris Moran	Intermediate	VFFNP*			X	4,916	1.06%	5.22	21.00	1.7	1.1	4.51
N6366	Nunhems	Thin	VFFNP				11,664	2.51%	5.20	20.92	2.1	0.5	4.43
BQ273	Woodbridge	Early	VFFNPtsw	X			42,112	9.07%	5.18	21.41	1.4	0.4	4.38
SV2756TM	Seminis	Thick	VFFNtsw	X		X	20,645	4.44%	5.15	21.79	1.0	1.4	4.50
BQ403	Woodbridge	Early	VFFNPtsw	X			4,962	1.07%	5.12	21.43	1.9	0.2	4.35
SV8011TM	Seminis	Intermediate	VFFNtsw	X			19,796	4.26%	5.11	20.65	1.0	2.1	4.44
Shasta	Harris Moran	Early	VF				1,486	0.32%	5.08	22.69	2.7	0.3	4.29
N6397	Nunhems	Early	VFFN				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
N6420	Nunhems	Pear	VFFNtsw	X			3,181	0.68%	5.05	21.23	1.4	1.6	4.53
BOS811	Orsetti	Intermediate	VFFNtsw	X			1,986	0.43%	5.03	20.46	0.6	1.5	4.39
N6434	Nunhems	Intermediate	VFFNtsw*	X	X	x	3,742	0.81%	5.01	21.95	1.3	2.0	4.46
BQ400	Woodbridge	Early	VFFNPtsw	X			8,317	1.79%	5.01	20.78	1.3	0.3	4.51
H8504	Heinz	Thick	VFFNP*			X	5,632	1.21%	4.96	21.69	1.0	2.2	4.42
HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	14,838	3.19%	4.95	21.10	0.9	2.1	4.38
HM9905	Harris Moran	Intermediate	VFFN*			X	3,085	0.66%	4.93	21.12	0.8	1.2	4.49
H1662	Heinz	Thick	VFFNPtswLv	X	X		9,780	2.11%	4.91	22.19	1.3	1.9	4.47
N6426	Nunhems	Thick	VFFNtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
HM7885	Harris Moran	Pear	VFN*			X	4,579	0.99%	4.88	21.29	1.0	1.2	4.58
H1015	Heinz	Early	VFFNP*			X	2,947	0.63%	4.88	21.86	1.1	0.4	4.48
H1422	Heinz	Thick	VFFNP*		X	X	1,986	0.43%	4.88	21.68	1.2	2.0	4.44
H1310	Heinz	Thick	VFFNPtsw	X	X		3,213	0.69%	4.80	21.75	1.0	2.0	4.49
UG16112	United Genetics	Thick	VFFNtsw*	X		X	2,029	0.44%	4.80	21.74	0.6	1.6	4.42
H5608	Heinz	Thick	VFFNPtsw	X			21,477	4.62%	4.79	20.89	1.2	1.6	4.45
H4707	Heinz	Thick	VFFNP*			X	24,557	5.29%	4.79	22.64	0.7	1.6	4.45
N6415	Nunhems	Thick	VFFNPtsw*	X		X	14,248	3.07%	4.77	21.44	1.2	2.0	4.45
N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	26,886	5.79%	4.77	21.90	1.4	1.7	4.48
H1428	Heinz	Thick	VFFNPtsw*	X		X	19,933	4.29%	4.74	21.18	0.6	2.3	4.50
H9663	Heinz	Thick	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48
H5702	Heinz	Thick	VFFNP*			X	11,392	2.45%	4.70	21.09	0.7	1.6	4.48
H2401	Heinz	Thick	VFFNP*			X	17,702	3.81%	4.70	21.73	1.2	1.8	4.39
N6416	Nunhems	Early	VFNtsw	X			7,874	1.70%	4.68	21.64	1.8	0.3	4.36
H5708	Heinz	Thick	VFFNP*			X	3,003	0.65%	4.62	21.06	0.6	1.4	4.40
H5508	Heinz	Thick	VFFNtsw*	X		X	3,592	0.77%	4.58	21.46	0.5	2.3	4.48
BP13	BHN Seed	Early	VFFNPtsw	X	X		3,128	0.67%	4.53	22.39	1.7	0.3	4.44
UG15212	United Genetics	Thick	VFFNtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
H5728	Heinz	Thick	VFFNP*			X	1,175	0.25%	4.51	21.81	0.6	6.4	4.56

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 California Processing Tomato

Hue Sort (Low to High) > 1,000 Loads

Based on PTAB 10/6/18

Variety	Supplier	Use Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
H9663	Heinz	Thick	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48
HM5235	Harris Moran	Intermediate	VFFNtsw	X	X		1,734	0.37%	5.25	20.35	1.9	2.4	4.48
BOS811	Orsetti	Intermediate	VFFNtsw	X			1,986	0.43%	5.03	20.46	0.6	1.5	4.39
H1293	Heinz	Pear	VFFNPtsw	X			6,743	1.45%	5.47	20.62	1.2	1.4	4.54
N6426	Nunhems	Thick	VFFNtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
SV8011TM	Seminis	Intermediate	VFFNtsw	X			19,796	4.26%	5.11	20.65	1.0	2.1	4.44
AB0311	Seminis	Thin	VFFNPtsw	X			37,081	7.98%	5.63	20.69	1.8	2.2	4.41
N6402	Nunhems	Thin	VFFNPtsw	X			3,716	0.80%	5.41	20.73	1.7	0.8	4.47
BQ400	Woodbridge	Early	VFFNPtsw	X			8,317	1.79%	5.01	20.78	1.3	0.3	4.51
H1292	Heinz	Pear	VFFNPtsw	X			1,599	0.34%	5.41	20.79	2.5	0.9	4.54
UG16609	United Genetics	Thin	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
H9780	Heinz	Intermediate	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
H5608	Heinz	Thick	VFFNPtsw	X			21,477	4.62%	4.79	20.89	1.2	1.6	4.45
N6366	Nunhems	Thin	VFFNP				11,664	2.51%	5.20	20.92	2.1	0.5	4.43
HM1892	Harris Moran	Intermediate	VFFNP*			X	4,916	1.06%	5.22	21.00	1.7	1.1	4.51
H5708	Heinz	Thick	VFFNP*			X	3,003	0.65%	4.62	21.06	0.6	1.4	4.40
H5702	Heinz	Thick	VFFNP*			X	11,392	2.45%	4.70	21.09	0.7	1.6	4.48
HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	14,838	3.19%	4.95	21.10	0.9	2.1	4.38
HM9905	Harris Moran	Intermediate	VFFN*			X	3,085	0.66%	4.93	21.12	0.8	1.2	4.49
N6397	Nunhems	Early	VFFN				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
H1428	Heinz	Thick	VFFNPtsw*	X		X	19,933	4.29%	4.74	21.18	0.6	2.3	4.50
N6420	Nunhems	Pear	VFFNtsw	X			3,181	0.68%	5.05	21.23	1.4	1.6	4.53
HM3887	Harris Moran	Intermediate	VFFNtsw	X			15,996	3.44%	5.44	21.24	1.5	1.4	4.46
HM7885	Harris Moran	Pear	VFFNP*			X	4,579	0.99%	4.88	21.29	1.0	1.2	4.58
SVTM1082	Seminis	Thin	VFFNPtsw	X	X		2,102	0.45%	5.36	21.36	1.5	1.2	4.36
BQ273	Woodbridge	Early	VFFNPtsw	X			42,112	9.07%	5.18	21.41	1.4	0.4	4.38
BQ403	Woodbridge	Early	VFFNPtsw	X			4,962	1.07%	5.12	21.43	1.9	0.2	4.35
UG15212	United Genetics	Thick	VFFNtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
N6415	Nunhems	Thick	VFFNPtsw*	X		X	14,248	3.07%	4.77	21.44	1.2	2.0	4.45
HM5900	Harris Moran	Intermediate	VFFNtsw	X			1,117	0.24%	5.54	21.46	1.6	1.2	4.36
H5508	Heinz	Thick	VFFNtsw*	X		X	3,592	0.77%	4.58	21.46	0.5	2.3	4.48
DRI319	Seminis	Thin	VFFNPtsw	X			23,681	5.10%	5.64	21.49	2.3	1.7	4.42
HM58801	Harris Moran	Intermediate	VFFNtsw	X	X		1,027	0.22%	5.34	21.51	1.9	1.6	4.49
UG19406	United Genetics	Intermediate	VFFNP*			X	6,468	1.39%	5.26	21.54	1.0	2.3	4.34
HM58841	Harris Moran	Intermediate	VFFNtsw*	X		X	1,535	0.33%	5.35	21.55	0.8	2.3	4.41
HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	1,811	0.39%	5.37	21.64	1.1	1.5	4.50
N6416	Nunhems	Early	VFFNPtsw	X			7,874	1.70%	4.68	21.64	1.8	0.3	4.36
H1422	Heinz	Thick	VFFNP*		X	X	1,986	0.43%	4.88	21.68	1.2	2.0	4.44
H8504	Heinz	Thick	VFFNP*			X	5,632	1.21%	4.96	21.69	1.0	2.2	4.42
HM4909	Harris Moran	Intermediate	VFFNtswFr	X			6,018	1.30%	5.34	21.71	1.0	1.6	4.29
H2401	Heinz	Thick	VFFNP*			X	17,702	3.81%	4.70	21.73	1.2	1.8	4.39
UG16112	United Genetics	Thick	VFFNtsw*	X		X	2,029	0.44%	4.80	21.74	0.6	1.6	4.42
H1310	Heinz	Thick	VFFNPtsw	X	X		3,213	0.69%	4.80	21.75	1.0	2.0	4.49
SV2756TM	Seminis	Thick	VFFNtsw	X		X	20,645	4.44%	5.15	21.79	1.0	1.4	4.50
H5728	Heinz	Thick	VFFNP*			X	1,175	0.25%	4.51	21.81	0.6	6.4	4.56
H1015	Heinz	Early	VFFNP*			X	2,947	0.63%	4.88	21.86	1.1	0.4	4.48
N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	26,886	5.79%	4.77	21.90	1.4	1.7	4.48
N6434	Nunhems	Intermediate	VFFNtsw*	X	X	x	3,742	0.81%	5.01	21.95	1.3	2.0	4.46
H1662	Heinz	Thick	VFFNPtswLv	X	X		9,780	2.11%	4.91	22.19	1.3	1.9	4.47
BP13	BHN Seed	Early	VFFNPtsw	X	X		3,128	0.67%	4.53	22.39	1.7	0.3	4.44
H4707	Heinz	Thick	VFFNP*			X	24,557	5.29%	4.79	22.64	0.7	1.6	4.45
Shasta	Harris Moran	Early	VF				1,486	0.32%	5.08	22.69	2.7	0.3	4.29

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 California Processing Tomato

Limited Use Sort (Low to High) > 1,000 Loads

Based on PTAB 10/6/18

Variety	Supplier	Use Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
H5508	Heinz	Thick	VFFNtsw*	X		X	3,592	0.77%	4.58	21.46	0.5	2.3	4.48
H5728	Heinz	Thick	VFFNP*			X	1,175	0.25%	4.51	21.81	0.6	6.4	4.56
UG16112	United Genetics	Thick	VFFNtsw*	X		X	2,029	0.44%	4.80	21.74	0.6	1.6	4.42
H1428	Heinz	Thick	VFFNPtsw*	X		X	19,933	4.29%	4.74	21.18	0.6	2.3	4.50
BOS811	Orsetti	Intermediate	VFFNtsw	X			1,986	0.43%	5.03	20.46	0.6	1.5	4.39
H5708	Heinz	Thick	VFFNP*			X	3,003	0.65%	4.62	21.06	0.6	1.4	4.40
H5702	Heinz	Thick	VFFNP*			X	11,392	2.45%	4.70	21.09	0.7	1.6	4.48
H4707	Heinz	Thick	VFFNP*			X	24,557	5.29%	4.79	22.64	0.7	1.6	4.45
HM58841	Harris Moran	Intermediate	VFFNtsw*	X		X	1,535	0.33%	5.35	21.55	0.8	2.3	4.41
HM9905	Harris Moran	Intermediate	VFFN*			X	3,085	0.66%	4.93	21.12	0.8	1.2	4.49
HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	14,838	3.19%	4.95	21.10	0.9	2.1	4.38
HM7885	Harris Moran	Pear	VFN*			X	4,579	0.99%	4.88	21.29	1.0	1.2	4.58
UG15212	United Genetics	Thick	VFFNtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
SV2756TM	Seminis	Thick	VFFNtsw	X		X	20,645	4.44%	5.15	21.79	1.0	1.4	4.50
H1310	Heinz	Thick	VFFNPtsw	X	X		3,213	0.69%	4.80	21.75	1.0	2.0	4.49
HM4909	Harris Moran	Intermediate	VFFNtswFr	X			6,018	1.30%	5.34	21.71	1.0	1.6	4.29
UG19406	United Genetics	Intermediate	VFFNP*			X	6,468	1.39%	5.26	21.54	1.0	2.3	4.34
H8504	Heinz	Thick	VFFNP*			X	5,632	1.21%	4.96	21.69	1.0	2.2	4.42
SV8011TM	Seminis	Intermediate	VFFNtsw	X			19,796	4.26%	5.11	20.65	1.0	2.1	4.44
H1015	Heinz	Early	VFFNP*			X	2,947	0.63%	4.88	21.86	1.1	0.4	4.48
HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	1,811	0.39%	5.37	21.64	1.1	1.5	4.50
H2401	Heinz	Thick	VFFNP*			X	17,702	3.81%	4.70	21.73	1.2	1.8	4.39
H5608	Heinz	Thick	VFFNPtsw	X			21,477	4.62%	4.79	20.89	1.2	1.6	4.45
H1293	Heinz	Pear	VFFNPtsw	X			6,743	1.45%	5.47	20.62	1.2	1.4	4.54
N6415	Nunhems	Thick	VFFNPtsw*	X		X	14,248	3.07%	4.77	21.44	1.2	2.0	4.45
H1422	Heinz	Thick	VFFNP*		X	X	1,986	0.43%	4.88	21.68	1.2	2.0	4.44
N6434	Nunhems	Intermediate	VFFNtsw*	X	X	x	3,742	0.81%	5.01	21.95	1.3	2.0	4.46
H1662	Heinz	Thick	VFFNPtswLv	X	X		9,780	2.11%	4.91	22.19	1.3	1.9	4.47
BQ400	Woodbridge	Early	VFFNPtsw	X			8,317	1.79%	5.01	20.78	1.3	0.3	4.51
N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	26,886	5.79%	4.77	21.90	1.4	1.7	4.48
BQ273	Woodbridge	Early	VFFNPtsw	X			42,112	9.07%	5.18	21.41	1.4	0.4	4.38
N6420	Nunhems	Pear	VFFNtsw	X			3,181	0.68%	5.05	21.23	1.4	1.6	4.53
N6397	Nunhems	Early	VFFN				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
HM3887	Harris Moran	Intermediate	VFFNtsw	X			15,996	3.44%	5.44	21.24	1.5	1.4	4.46
SVTM1082	Seminis	Thin	VFFNPtsw	X	X		2,102	0.45%	5.36	21.36	1.5	1.2	4.36
HM5900	Harris Moran	Intermediate	VFFNtsw	X			1,117	0.24%	5.54	21.46	1.6	1.2	4.36
N6402	Nunhems	Thin	VFFNPtsw	X			3,716	0.80%	5.41	20.73	1.7	0.8	4.47
HM1892	Harris Moran	Intermediate	VFFNP*			X	4,916	1.06%	5.22	21.00	1.7	1.1	4.51
BP13	BHN Seed	Early	VFFNPtsw	X	X		3,128	0.67%	4.53	22.39	1.7	0.3	4.44
N6426	Nunhems	Thick	VFFNtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
AB0311	Seminis	Thin	VFFNPtsw	X			37,081	7.98%	5.63	20.69	1.8	2.2	4.41
H9663	Heinz	Thick	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48
N6416	Nunhems	Early	VFNptsw	X			7,874	1.70%	4.68	21.64	1.8	0.3	4.36
BQ403	Woodbridge	Early	VFFNPtsw	X			4,962	1.07%	5.12	21.43	1.9	0.2	4.35
HM58801	Harris Moran	Intermediate	VFFNtsw	X	X		1,027	0.22%	5.34	21.51	1.9	1.6	4.49
UG16609	United Genetics	Thin	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
HM5235	Harris Moran	Intermediate	VFFNtsw	X	X		1,734	0.37%	5.25	20.35	1.9	2.4	4.48
H9780	Heinz	Intermediate	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
N6366	Nunhems	Thin	VFFNP				11,664	2.51%	5.20	20.92	2.1	0.5	4.43
DR1319	Seminis	Thin	VFFNPtsw	X			23,681	5.10%	5.64	21.49	2.3	1.7	4.42
H1292	Heinz	Pear	VFFNPtsw	X			1,599	0.34%	5.41	20.79	2.5	0.9	4.54
Shasta	Harris Moran	Early	VF				1,486	0.32%	5.08	22.69	2.7	0.3	4.29

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 California Processing Tomato

Mold Sort (Low to High) > 1,000 Loads

Based on PTAB 10/6/18

Variety	Supplier	Use Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
BQ403	Woodbridge	Early	VFFNPtsw	X			4,962	1.07%	5.12	21.43	1.9	0.2	4.35
N6416	Nunhems	Early	VFNPTsw	X			7,874	1.70%	4.68	21.64	1.8	0.3	4.36
Shasta	Harris Moran	Early	VF				1,486	0.32%	5.08	22.69	2.7	0.3	4.29
BP13	BHN Seed	Early	VFFFNPTsw	X	X		3,128	0.67%	4.53	22.39	1.7	0.3	4.44
BQ400	Woodbridge	Early	VFFNPtsw	X			8,317	1.79%	5.01	20.78	1.3	0.3	4.51
H1015	Heinz	Early	VFFNP*			X	2,947	0.63%	4.88	21.86	1.1	0.4	4.48
BQ273	Woodbridge	Early	VFFNPtsw	X			42,112	9.07%	5.18	21.41	1.4	0.4	4.38
N6366	Nunhems	Thin	VFFNP				11,664	2.51%	5.20	20.92	2.1	0.5	4.43
N6397	Nunhems	Early	VFFN				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
UG16609	United Genetics	Thin	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
N6402	Nunhems	Thin	VFFNPtsw	X			3,716	0.80%	5.41	20.73	1.7	0.8	4.47
H1292	Heinz	Pear	VFFNPtsw	X			1,599	0.34%	5.41	20.79	2.5	0.9	4.54
HM1892	Harris Moran	Intermediate	VFFNP*			X	4,916	1.06%	5.22	21.00	1.7	1.1	4.51
HM5900	Harris Moran	Intermediate	VFFNtsw	X			1,117	0.24%	5.54	21.46	1.6	1.2	4.36
HM9905	Harris Moran	Intermediate	VFFN*			X	3,085	0.66%	4.93	21.12	0.8	1.2	4.49
SVTM1082	Seminis	Thin	VFFFNPTsw	X	X		2,102	0.45%	5.36	21.36	1.5	1.2	4.36
HM7885	Harris Moran	Pear	VFFNP*			X	4,579	0.99%	4.88	21.29	1.0	1.2	4.58
H9780	Heinz	Intermediate	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
H5708	Heinz	Thick	VFFNP*			X	3,003	0.65%	4.62	21.06	0.6	1.4	4.40
SV2756TM	Seminis	Thick	VFFNtsw	X		X	20,645	4.44%	5.15	21.79	1.0	1.4	4.50
H1293	Heinz	Pear	VFFNPtsw	X			6,743	1.45%	5.47	20.62	1.2	1.4	4.54
HM3887	Harris Moran	Intermediate	VFFNtsw	X			15,996	3.44%	5.44	21.24	1.5	1.4	4.46
HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	1,811	0.39%	5.37	21.64	1.1	1.5	4.50
BOS811	Orsetti	Intermediate	VFFNtsw	X			1,986	0.43%	5.03	20.46	0.6	1.5	4.39
UG16112	United Genetics	Thick	VFFNtsw*	X		X	2,029	0.44%	4.80	21.74	0.6	1.6	4.42
HM58801	Harris Moran	Intermediate	VFFFNtsw	X	X		1,027	0.22%	5.34	21.51	1.9	1.6	4.49
H5702	Heinz	Thick	VFFNP*			X	11,392	2.45%	4.70	21.09	0.7	1.6	4.48
N6420	Nunhems	Pear	VFFNtsw	X			3,181	0.68%	5.05	21.23	1.4	1.6	4.53
H4707	Heinz	Thick	VFFNP*			X	24,557	5.29%	4.79	22.64	0.7	1.6	4.45
H5608	Heinz	Thick	VFFNPtsw	X			21,477	4.62%	4.79	20.89	1.2	1.6	4.45
HM4909	Harris Moran	Intermediate	VFFNtswFr	X			6,018	1.30%	5.34	21.71	1.0	1.6	4.29
N6428	Nunhems	Intermediate	VFFFNPTsw*	X	X	X	26,886	5.79%	4.77	21.90	1.4	1.7	4.48
DRI319	Seminis	Thin	VFFNPtsw	X			23,681	5.10%	5.64	21.49	2.3	1.7	4.42
H2401	Heinz	Thick	VFFNP*			X	17,702	3.81%	4.70	21.73	1.2	1.8	4.39
UG15212	United Genetics	Thick	VFFNtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
N6426	Nunhems	Thick	VFFNtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
H1662	Heinz	Thick	VFFFNPTswLv	X	X		9,780	2.11%	4.91	22.19	1.3	1.9	4.47
H1310	Heinz	Thick	VFFFNPTsw	X	X		3,213	0.69%	4.80	21.75	1.0	2.0	4.49
H1422	Heinz	Thick	VFFFNPTsw*		X	X	1,986	0.43%	4.88	21.68	1.2	2.0	4.44
N6415	Nunhems	Thick	VFFNPtsw*	X		X	14,248	3.07%	4.77	21.44	1.2	2.0	4.45
N6434	Nunhems	Intermediate	VFFFNtsw*	X	X	x	3,742	0.81%	5.01	21.95	1.3	2.0	4.46
HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	14,838	3.19%	4.95	21.10	0.9	2.1	4.38
SV8011TM	Seminis	Intermediate	VFFNtsw	X			19,796	4.26%	5.11	20.65	1.0	2.1	4.44
H8504	Heinz	Thick	VFFNP*			X	5,632	1.21%	4.96	21.69	1.0	2.2	4.42
AB0311	Seminis	Thin	VFFNPtsw	X			37,081	7.98%	5.63	20.69	1.8	2.2	4.41
HM58841	Harris Moran	Intermediate	VFFNtsw*	X		X	1,535	0.33%	5.35	21.55	0.8	2.3	4.41
H5508	Heinz	Thick	VFFNtsw*	X		X	3,592	0.77%	4.58	21.46	0.5	2.3	4.48
H1428	Heinz	Thick	VFFNPtsw*	X		X	19,933	4.29%	4.74	21.18	0.6	2.3	4.50
UG19406	United Genetics	Intermediate	VFFNP*			X	6,468	1.39%	5.26	21.54	1.0	2.3	4.34
HM5235	Harris Moran	Intermediate	VFFFNtsw	X	X		1,734	0.37%	5.25	20.35	1.9	2.4	4.48
H5728	Heinz	Thick	VFFNP*			X	1,175	0.25%	4.51	21.81	0.6	6.4	4.56
H9663	Heinz	Thick	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48

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 California Processing Tomato

pH Sort (Low to High) > 1,000 Loads

Based on PTAB 10/6/18

Variety	Supplier	Use Category	Disease Resistance	TSW	F3	EFS	Total Loads	% of Loads	Solids	Hue	LU	Mold	pH
Shasta	Harris Moran	Early	VF				1,486	0.32%	5.08	22.69	2.7	0.3	4.29
HM4909	Harris Moran	Intermediate	VFFNtswFr	X			6,018	1.30%	5.34	21.71	1.0	1.6	4.29
UG19406	United Genetics	Intermediate	VFFNP*			X	6,468	1.39%	5.26	21.54	1.0	2.3	4.34
BQ403	Woodbridge	Early	VFFNPtsw	X			4,962	1.07%	5.12	21.43	1.9	0.2	4.35
SVTM1082	Seminis	Thin	VFFNPtsw	X	X		2,102	0.45%	5.36	21.36	1.5	1.2	4.36
HM5900	Harris Moran	Intermediate	VFFNtsw	X			1,117	0.24%	5.54	21.46	1.6	1.2	4.36
N6416	Nunhems	Early	VFNtsw	X			7,874	1.70%	4.68	21.64	1.8	0.3	4.36
BQ273	Woodbridge	Early	VFFNPtsw	X			42,112	9.07%	5.18	21.41	1.4	0.4	4.38
HM4885	Harris Moran	Thick	VFFNPtsw*	X		X	14,838	3.19%	4.95	21.10	0.9	2.1	4.38
H9780	Heinz	Intermediate	VFFNP*			X	1,216	0.26%	5.55	20.89	2.1	1.3	4.39
UG16609	United Genetics	Thin	VFFNPtsw	X			1,410	0.30%	5.38	20.84	1.9	0.8	4.39
H2401	Heinz	Thick	VFFNP*			X	17,702	3.81%	4.70	21.73	1.2	1.8	4.39
BOS811	Orsetti	Intermediate	VFFNtsw	X			1,986	0.43%	5.03	20.46	0.6	1.5	4.39
H5708	Heinz	Thick	VFFNP*			X	3,003	0.65%	4.62	21.06	0.6	1.4	4.40
AB0311	Seminis	Thin	VFFNPtsw	X			37,081	7.98%	5.63	20.69	1.8	2.2	4.41
HM58841	Harris Moran	Intermediate	VFFNtsw*	X		X	1,535	0.33%	5.35	21.55	0.8	2.3	4.41
H8504	Heinz	Thick	VFFNP*			X	5,632	1.21%	4.96	21.69	1.0	2.2	4.42
UG16112	United Genetics	Thick	VFFNtsw*	X		X	2,029	0.44%	4.80	21.74	0.6	1.6	4.42
DRI319	Seminis	Thin	VFFNPtsw	X			23,681	5.10%	5.64	21.49	2.3	1.7	4.42
UG15212	United Genetics	Thick	VFFNtsw*	X		X	1,587	0.34%	4.52	21.43	1.0	1.8	4.42
N6366	Nunhems	Thin	VFFNP				11,664	2.51%	5.20	20.92	2.1	0.5	4.43
BP13	BHN Seed	Early	VFFNPtsw	X	X		3,128	0.67%	4.53	22.39	1.7	0.3	4.44
N6397	Nunhems	Early	VFFN				1,263	0.27%	5.07	21.13	1.5	0.5	4.44
H1422	Heinz	Thick	VFFNP*		X	X	1,986	0.43%	4.88	21.68	1.2	2.0	4.44
SV8011TM	Seminis	Intermediate	VFFNtsw	X			19,796	4.26%	5.11	20.65	1.0	2.1	4.44
H4707	Heinz	Thick	VFFNP*			X	24,557	5.29%	4.79	22.64	0.7	1.6	4.45
H5608	Heinz	Thick	VFFNPtsw	X			21,477	4.62%	4.79	20.89	1.2	1.6	4.45
N6415	Nunhems	Thick	VFFNPtsw*	X		X	14,248	3.07%	4.77	21.44	1.2	2.0	4.45
N6434	Nunhems	Intermediate	VFFNPtsw*	X	X	x	3,742	0.81%	5.01	21.95	1.3	2.0	4.46
HM3887	Harris Moran	Intermediate	VFFNtsw	X			15,996	3.44%	5.44	21.24	1.5	1.4	4.46
H1662	Heinz	Thick	VFFNPtswLv	X	X		9,780	2.11%	4.91	22.19	1.3	1.9	4.47
N6402	Nunhems	Thin	VFFNPtsw	X			3,716	0.80%	5.41	20.73	1.7	0.8	4.47
H5508	Heinz	Thick	VFFNtsw*	X		X	3,592	0.77%	4.58	21.46	0.5	2.3	4.48
H1015	Heinz	Early	VFFNP*			X	2,947	0.63%	4.88	21.86	1.1	0.4	4.48
HM5235	Harris Moran	Intermediate	VFFNPtsw	X	X		1,734	0.37%	5.25	20.35	1.9	2.4	4.48
N6428	Nunhems	Intermediate	VFFNPtsw*	X	X	X	26,886	5.79%	4.77	21.90	1.4	1.7	4.48
H5702	Heinz	Thick	VFFNP*			X	11,392	2.45%	4.70	21.09	0.7	1.6	4.48
H9663	Heinz	Thick	VFFNP				2,113	0.45%	4.71	20.03	1.8	6.6	4.48
H1310	Heinz	Thick	VFFNPtsw	X	X		3,213	0.69%	4.80	21.75	1.0	2.0	4.49
HM9905	Harris Moran	Intermediate	VFFN*			X	3,085	0.66%	4.93	21.12	0.8	1.2	4.49
HM58801	Harris Moran	Intermediate	VFFNPtsw	X	X		1,027	0.22%	5.34	21.51	1.9	1.6	4.49
HM3888	Harris Moran	Intermediate	VFFNtsw*	X		X	1,811	0.39%	5.37	21.64	1.1	1.5	4.50
SV2756TM	Seminis	Thick	VFFNtsw	X		X	20,645	4.44%	5.15	21.79	1.0	1.4	4.50
N6426	Nunhems	Thick	VFFNPtswLv*	X		X	1,966	0.42%	4.90	20.64	1.7	1.8	4.50
H1428	Heinz	Thick	VFFNPtsw*	X		X	19,933	4.29%	4.74	21.18	0.6	2.3	4.50
BQ400	Woodbridge	Early	VFFNPtsw	X			8,317	1.79%	5.01	20.78	1.3	0.3	4.51
HM1892	Harris Moran	Intermediate	VFFNP*			X	4,916	1.06%	5.22	21.00	1.7	1.1	4.51
N6420	Nunhems	Pear	VFFNPtsw	X			3,181	0.68%	5.05	21.23	1.4	1.6	4.53
H1293	Heinz	Pear	VFFNPtsw	X			6,743	1.45%	5.47	20.62	1.2	1.4	4.54
H1292	Heinz	Pear	VFFNPtsw	X			1,599	0.34%	5.41	20.79	2.5	0.9	4.54
H5728	Heinz	Thick	VFFNP*			X	1,175	0.25%	4.51	21.81	0.6	6.4	4.56
HM7885	Harris Moran	Pear	VFN*			X	4,579	0.99%	4.88	21.29	1.0	1.2	4.58

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 California Processing Tomato

Solids History - Selected Counties

Solids

County	2014	2015	2016	2017	2018	5 Year Average
Colusa	4.71	4.95	5.02	5.10	4.77	4.91
Contra Costa	5.60	5.44	5.74	5.65	5.25	5.54
Fresno	5.44	5.45	5.60	5.32	5.17	5.40
Kern	5.08	5.07	5.18	5.05	4.96	5.07
Kings	5.20	5.30	5.36	5.22	5.17	5.25
Merced	5.12	5.32	5.27	5.19	4.92	5.16
Sacramento	4.96	5.19	5.61	5.55	5.30	5.32
San Joaquin	4.95	5.11	5.32	5.29	5.17	5.17
Solano	5.14	5.32	5.54	5.55	5.24	5.36
Stanislaus	5.20	5.29	5.58	5.49	5.21	5.35
Sutter	5.01	5.10	5.25	5.28	5.02	5.13
Yolo	4.85	5.03	5.16	5.17	4.87	5.02
State Average	5.15	5.25	5.37	5.26	5.07	5.22

% of State Average

County	2014	2015	2016	2017	2018	5 Year Average
Colusa	91.5%	94.3%	93.5%	97.0%	94.1%	94.1%
Contra Costa	108.7%	103.6%	106.9%	107.4%	103.6%	106.1%
Fresno	105.6%	103.8%	104.3%	101.1%	102.0%	103.4%
Kern	98.6%	96.6%	96.5%	96.0%	97.8%	97.1%
Kings	101.0%	101.0%	99.8%	99.2%	102.0%	100.6%
Merced	99.4%	101.3%	98.1%	98.7%	97.0%	98.9%
Sacramento	96.3%	98.9%	104.5%	105.5%	104.5%	102.0%
San Joaquin	96.1%	97.3%	99.1%	100.6%	102.0%	99.0%
Solano	99.8%	101.3%	103.2%	105.5%	103.4%	102.6%
Stanislaus	101.0%	100.8%	103.9%	104.4%	102.8%	102.6%
Sutter	97.3%	97.1%	97.8%	100.4%	99.0%	98.3%
Yolo	94.2%	95.8%	96.1%	98.3%	96.1%	96.1%
State Average	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note: 2018 based on 10/6/18 reports published by the Processing Tomato Advisory Board.