

Cannery Tomato



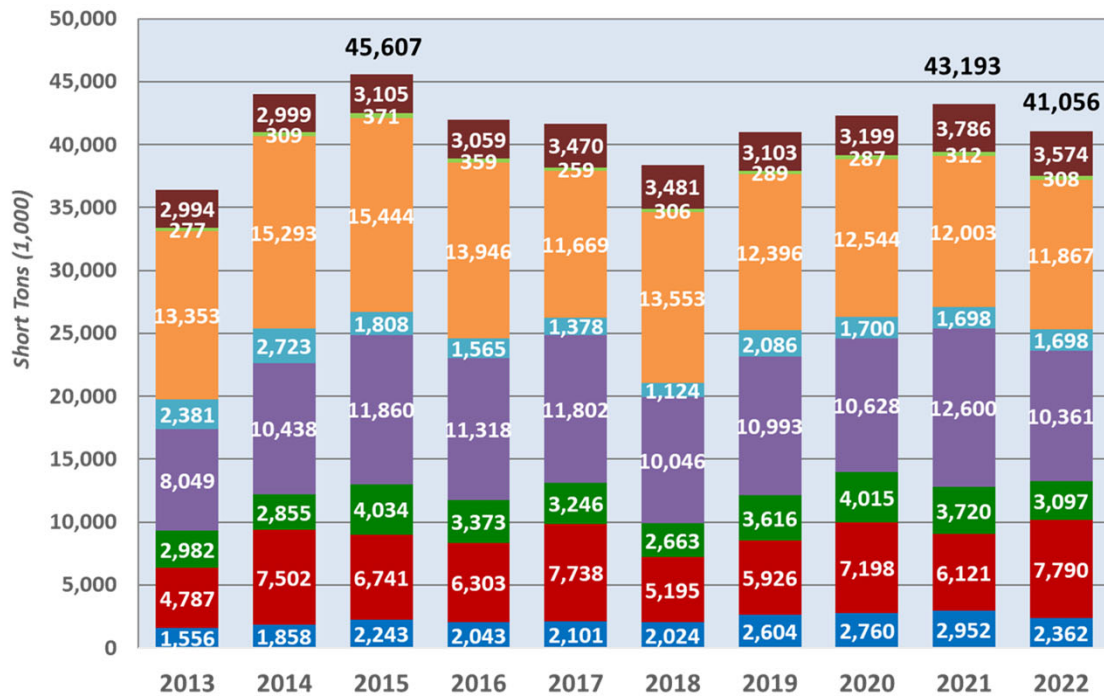
2022



Season Highlights

2022 Season Review

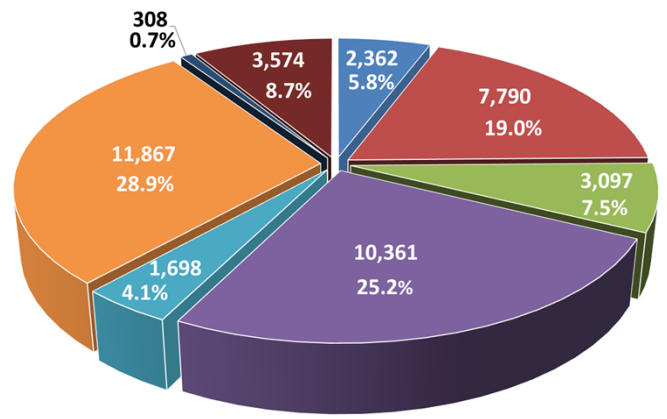
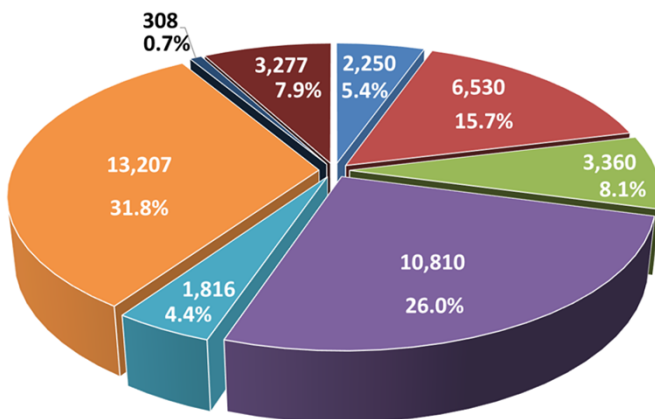
World Production History Short Tons by Region – 2013-2022



World Production History Short Tons by Region – 10 Year Avg vs 2022

10 Year Average
Short Tons 41,558

2022
Short Tons 41,056

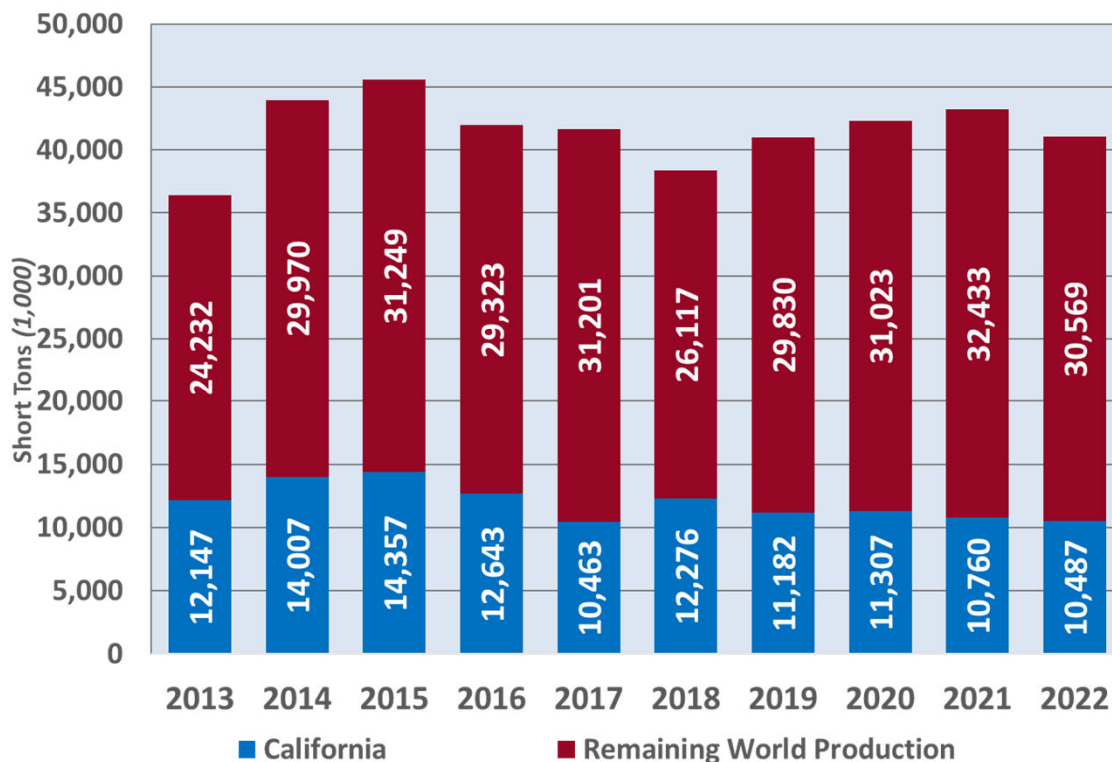


■ Africa ■ Asia Pacific ■ Eastern Europe ■ Western Europe ■ Middle East ■ North America ■ Oceania ■ South America

2022 Season Review

California vs World Production

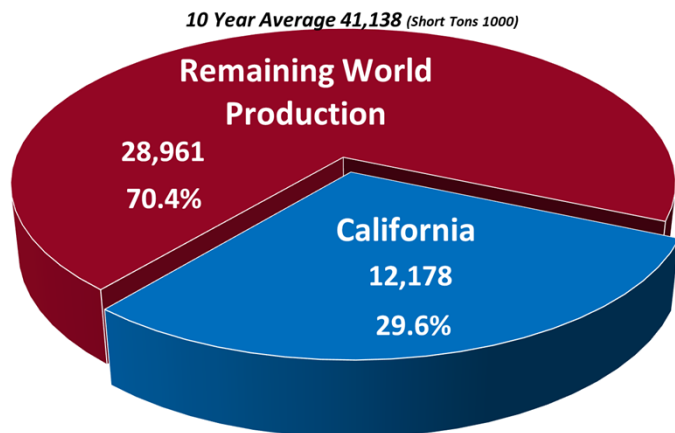
Short Tons – 2013-2022



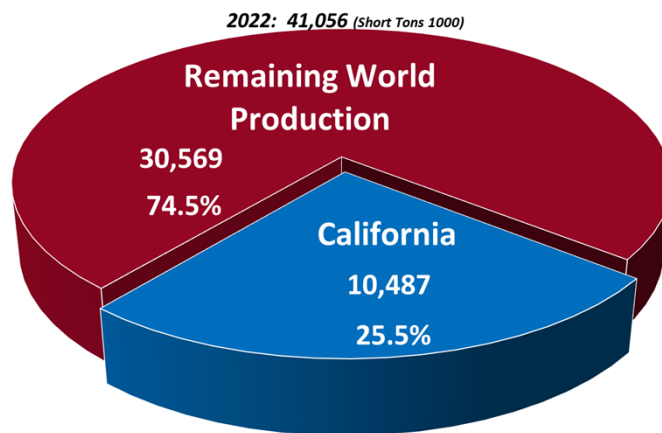
California vs World Production

Short Tons by Region – 10 Year Avg vs 2022

10 Year Average



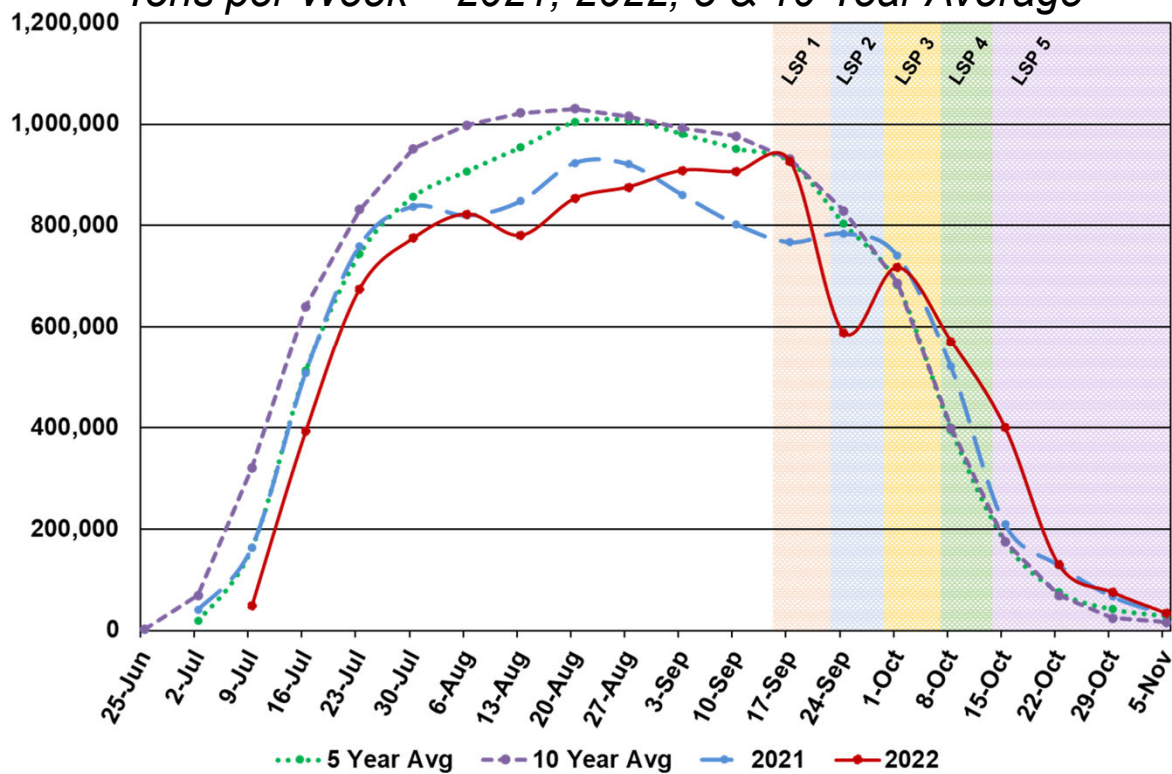
2022



2022 Season Review

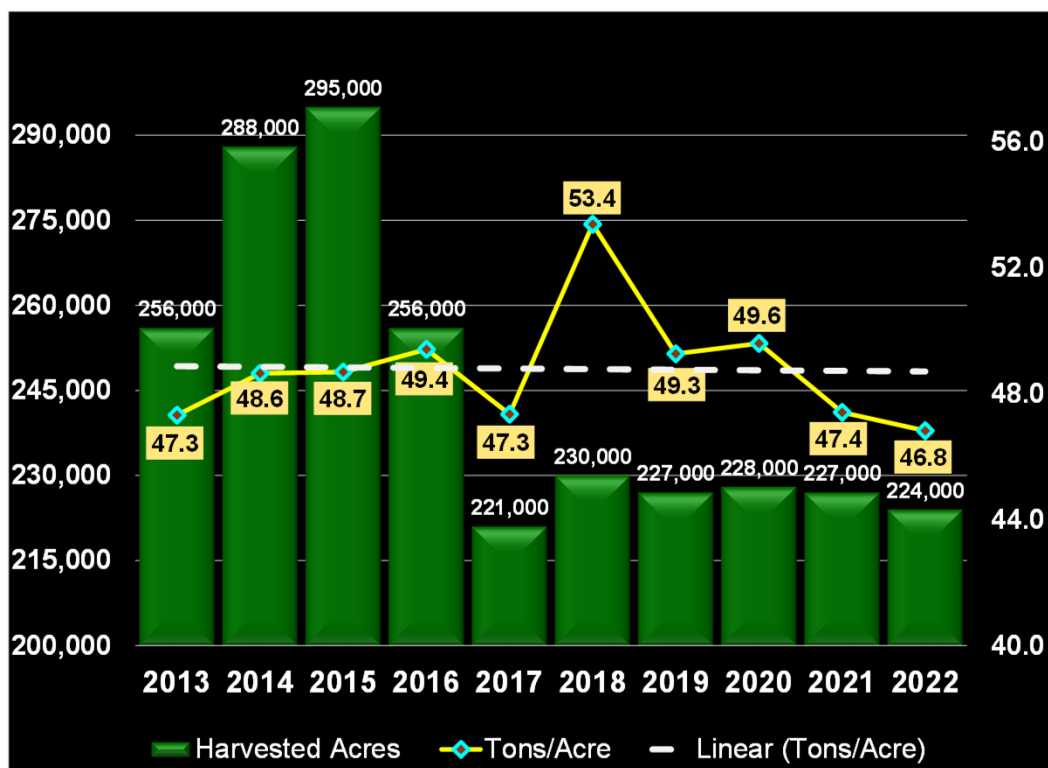
California Cannery Tomato Harvest

Tons per Week – 2021, 2022, 5 & 10 Year Average



California Cannery Tomato Harvest

Harvested Acres & Yield (Tons/Acre): 2013-2022



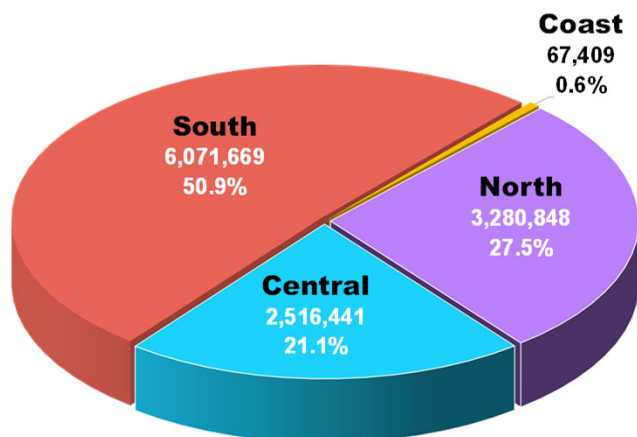
2022 Season Review

California Production

Short Tons by Region – 10 Year Avg vs 2022

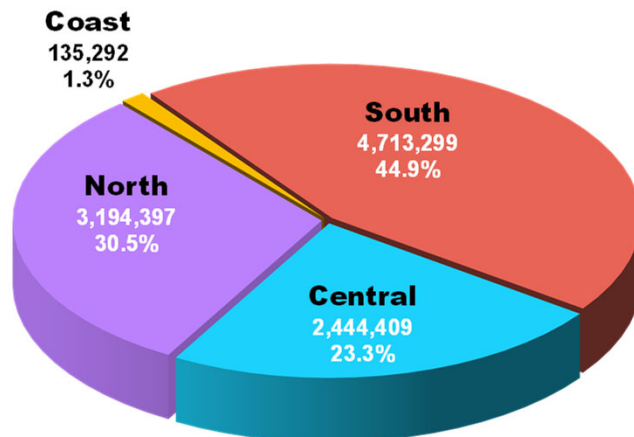
10 Year Average

Short Tons 11,936,367



2022

Short Tons 10,487,397



Class Total Pack Timeline

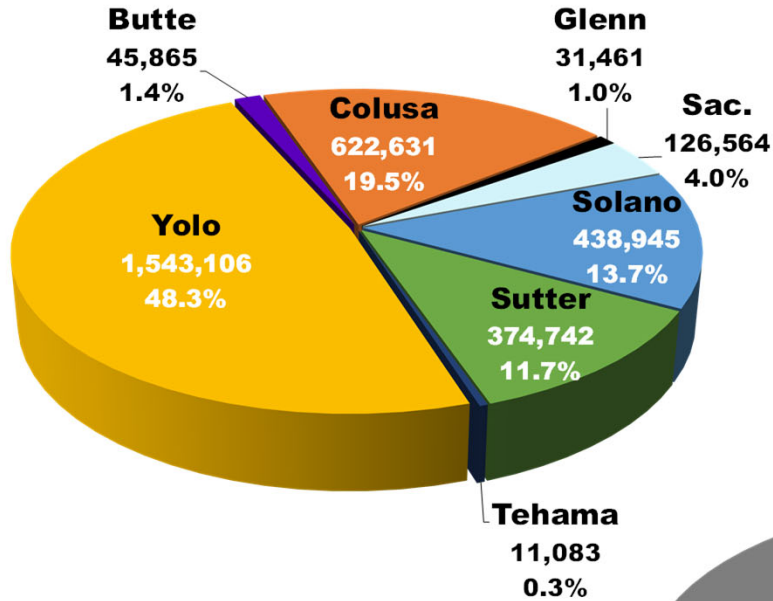
21-Day Harvest Intervals

Class	23-Jul	13-Aug	3-Sep	24-Sep	Loads
Early	50.2%	91.0%	97.2%	98.6%	58,142
Thin	8.0%	35.6%	60.4%	87.4%	51,010
Inter	1.8%	20.9%	53.4%	75.7%	163,349
Thick	4.2%	17.9%	41.0%	73.1%	131,795
Pear	7.0%	39.7%	71.5%	94.5%	12,745
Total Pack	10.2%	32.0%	56.9%	79.9%	418,842

2022 Season Review

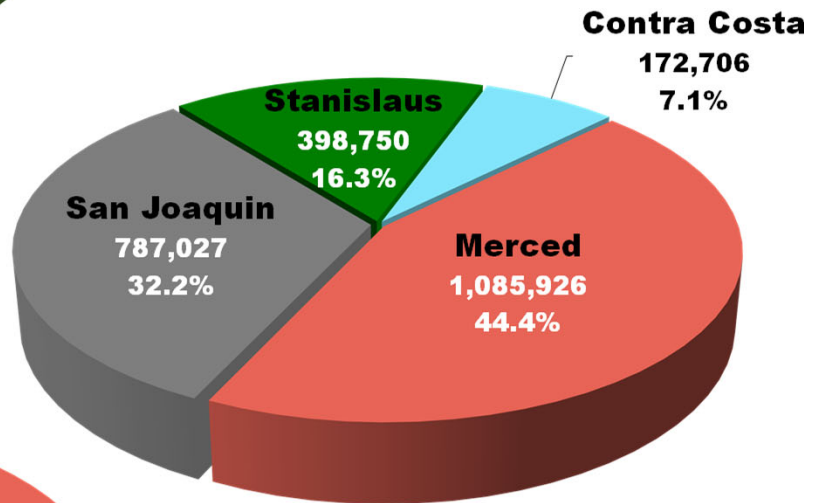
Regional Production

North, Central, South & Coast Tons

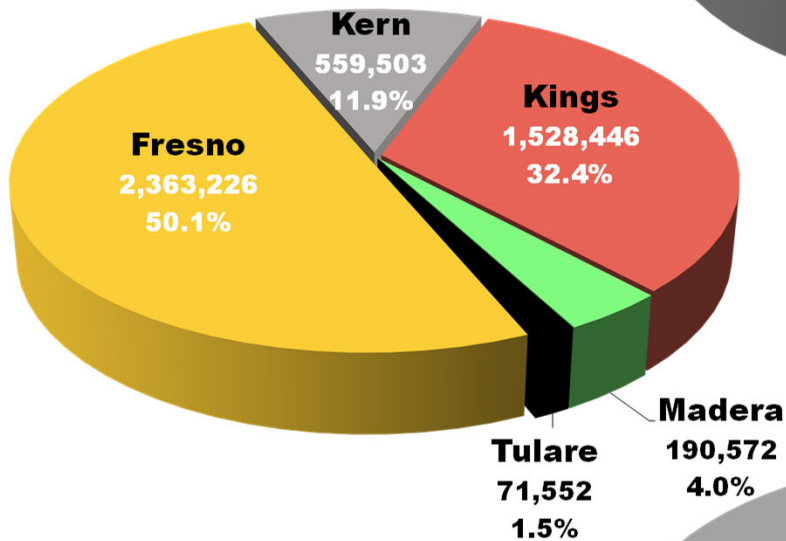


← North

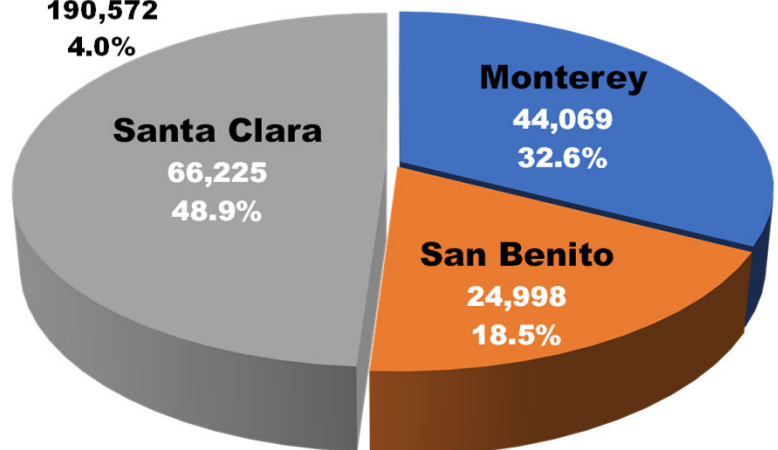
Central →



← South



Coast →



2022 Season Review

Regional Production

2 Year Tons by Region

County	2022 Short Tons	2021	2022 %	2021
North				
Butte	45,865	15,481	1.4%	0.4%
Colusa	622,631	652,827	19.5%	18.6%
Glenn	31,461	48,674	1.0%	1.4%
Sacramento	126,564	161,297	4.0%	4.6%
Solano	438,945	513,661	13.7%	14.6%
Sutter	374,742	539,346	11.7%	15.4%
Tehama	11,083	-	0.3%	-
Yolo	1,543,106	1,575,963	48.3%	44.9%
Total	3,194,397	3,507,249	30.5%	32.6%
Coast				
Monterey	44,069	-	32.6%	-
San Benito	24,998	14,308	18.5%	41.1%
Santa Clara	66,225	20,498	48.9%	58.9%
Total	135,292	34,806	1.3%	0.3%
Central				
Contra Costa	172,706	165,841	7.1%	7.2%
Merced	1,085,926	1,156,305	44.4%	50.0%
San Joaquin	787,027	650,622	32.2%	28.2%
Stanislaus	398,750	337,615	16.3%	14.6%
Total	2,444,409	2,310,383	23.3%	21.5%
South				
Fresno	2,363,226	2,868,669	50.1%	58.4%
Imperial	-	6,999	-	0.1%
Kern	559,503	450,990	11.9%	9.2%
Kings	1,528,446	1,395,177	32.4%	28.4%
Madera	190,572	137,584	4.0%	2.8%
Tulare	71,552	48,664	1.5%	1.0%
Total	4,713,299	4,908,083	44.9%	45.6%
Statewide	10,487,397	10,760,521	100.0%	100.0%

2022 Season Review

Region Production

PTAB Grades - 13 Counties > 5,000 Loads

Top 5

County	BRIX
Fresno	5.58
Contra Costa	5.44
Kings	5.40
Merced	5.27
Stanislaus	5.26



Top 5

County	Mold
Fresno	0.81
Contra Costa	0.82
Kern	0.94
Merced	1.36
Kings	1.86

Top 5

County	LU
Sacramento	1.10
Solano	1.11
San Joaquin	1.27
Kings	1.35
Contra Costa	1.37



Top 5

County	Color
Kings	20.95
Kern	21.07
Fresno	21.13
Stanislaus	21.18
Contra Costa	21.22



Top 5

County	pH
Contra Costa	4.38
Yolo	4.41
Sacramento	4.41
Kern	4.42
Fresno	4.43

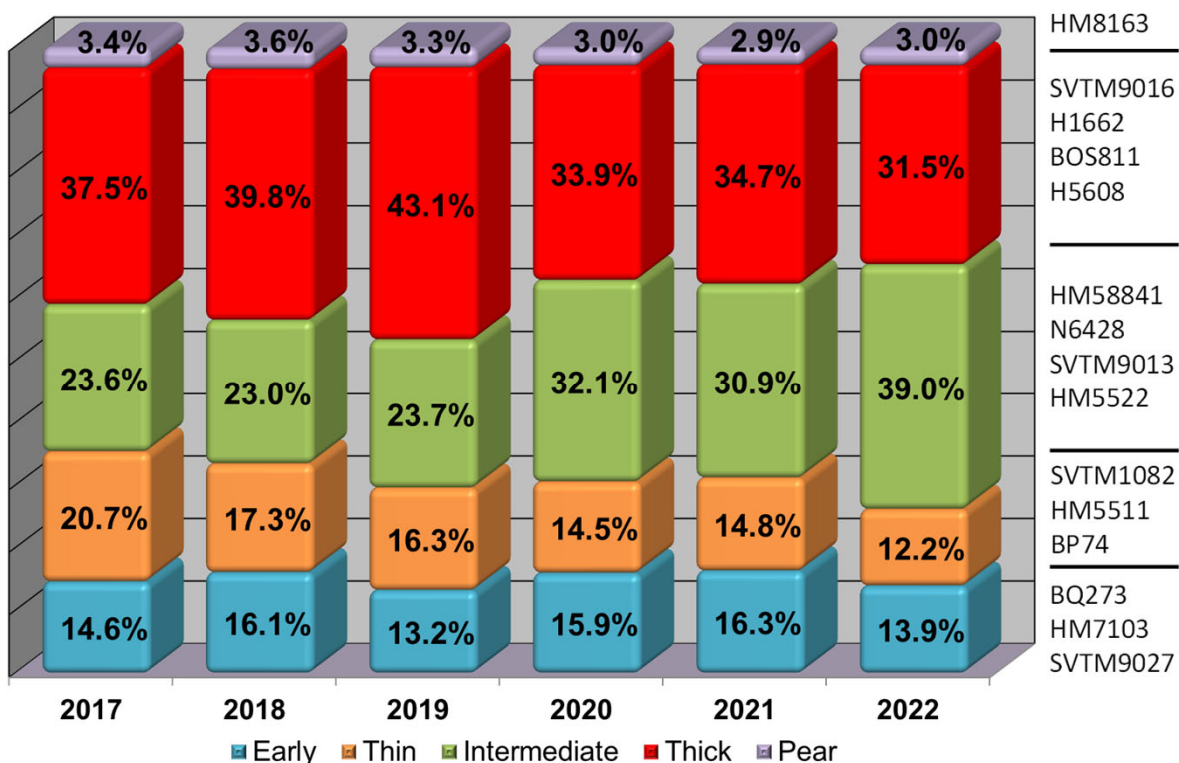
2022 Season Review

AgSeeds Unlimited Use Category Descriptions

Early	• Maturity $\leq$ 117 Days
Thin	• PPB $\geq$ 4.90
Inter	• PPB 3.06 – 4.89
Thick	• PPB $\leq$ 3.05
Pear	• Pear Shaped

*PPB – Predicted Paste Bostwick

Historical Use Market Share By Class: 2017-2022



2022 Season Review

Use Market Share

By Region

Class	North	Central	South	Coast	Total
Early	8.7%	4.3%	22.7%	13.9%	13.9%
Thin	7.6%	20.8%	11.0%	9.1%	12.2%
Inter	51.6%	41.5%	28.3%	51.2%	39.0%
Thick	29.4%	30.3%	33.8%	24.3%	31.5%
Pear	2.0%	3.0%	3.9%	-	3.0%
F3	67.2%	66.3%	41.9%	25.7%	55.3%
EFS™ / EFH	59.6%	45.3%	42.9%	58.1%	48.9%
Loads	131,925	97,486	184,074	5,357	418,842

Supplier Historical Market Share

2018 – 2022

Supplier	2018	2019	2020	2021	2022	Varieties
Seminis	23.2%	25.0%	25.2%	28.0%	27.9%	27
Harris Moran	13.8%	12.3%	16.2%	18.1%	26.5%	24
Heinz	30.3%	31.6%	20.9%	19.6%	16.5%	25
Nunhems	16.2%	15.0%	15.9%	13.8%	12.8%	17
Syngenta	12.1%	11.1%	12.7%	10.1%	6.4%	7
BHN	0.8%	0.7%	1.9%	4.7%	4.2%	17
Orsetti	0.5%	1.3%	3.4%	3.1%	3.3%	10
United Genetics	2.7%	2.6%	3.0%	1.8%	1.8%	8
Others	0.4%	0.4%	0.8%	0.8%	0.6%	11
Loads	472,956	442,500	442,120	429,950	418,842	

2022 Season Review

Supplier Market Share

By Region

Supplier	North	Central	South	Coast	Total
Seminis	28.1%	40.8%	21.1%	21.1%	27.9%
Harris Moran	31.5%	19.8%	26.1%	37.7%	26.5%
Heinz	17.8%	16.4%	15.9%	9.6%	16.5%
Nunhems	14.5%	9.4%	13.6%	8.0%	12.8%
Syngenta	0.7%	1.1%	13.1%	11.9%	6.4%
BHN	5.0%	8.5%	1.4%	-	4.2%
Orsetti	1.1%	3.1%	4.8%	10.2%	3.3%
United Genetics	0.0%	0.5%	3.8%	-	1.8%
Others	1.2%	0.3%	0.3%	1.5%	0.6%
Loads	131,925	97,486	184,074	5,357	418,842

Supplier Market Share

By Class

Supplier	Early	Viscosity			Pear	F3	EFS™ EFH	Total
		Thin	Inter	Thick				
Seminis	21.6%	42.8%	23.4%	33.5%	0.0%	47.4%	22.3%	27.9%
Harris Moran	17.9%	14.4%	51.1%	0.8%	68.3%	7.9%	28.7%	26.5%
Heinz	2.4%	0.0%	1.8%	49.0%	2.6%	16.7%	16.0%	16.5%
Nunhems	5.7%	18.0%	21.1%	3.8%	12.9%	17.5%	20.1%	12.8%
Syngenta	45.7%	-	0.0%	0.1%	-	0.2%	-	6.4%
BHN	5.3%	24.0%	0.0%	0.0%	16.0%	7.5%	3.8%	4.2%
Orsetti	0.4%	-	0.1%	10.2%	-	0.9%	5.6%	3.3%
United Genetics	-	0.4%	2.3%	2.6%	0.1%	1.6%	3.5%	1.8%
Others	1.0%	0.4%	0.0%	0.0%	0.0%	0.2%	0.0%	0.6%
Loads	58,142	51,010	163,349	131,795	12,745	231,809	204,813	418,842

2022 Season Review

2022 vs 2013 PTAB Top 15 Varieties

Loads Movement from Previous Year

2022

Rank	Variety	Loads	▲ 2021
1	HM58841	33,686	16,891
2	N6428	29,137	-3,097
3	SVTM9013	23,680	11,309
4	HM5522	22,895	14,192
5	SVTM9016	22,370	11,960
6	H1662	15,928	-8,252
7	BOS811	11,398	-1,203
8	H5608	10,702	-190
9	SVTM1082	10,382	2,468
10	H1996	9,711	7,036
11	BQ273	9,583	-3,734
12	HM4521	9,333	-2,212
13	SVTM9014	9,061	-4,074
14	SVTM9023	8,944	2,277
15	HM7103	8,706	6,050

2013

Rank	Variety	Loads	▲ 2012
1	H8504	65,459	377
2	N6366	57,058	-22,829
3	H5608	36,083	10,370
4	H2401	23,008	-1,353
5	H5508	17,152	1,827
6	N6404	16,473	14,855
7	H1015	13,645	3,979
8	H3402	12,616	-3,844
9	DRI319	12,443	11,657
10	UG19406	11,420	4,587
11	H4707	11,380	-2,087
12	N6394	9,860	3,998
13	AB2	9,824	-16,298
14	H9663	9,429	-4,639
15	BQ205	9,115	642

PTAB Variety Movement

Change from 2021

Top 15 Increase

Variety	Loads	% Gained	Age
HM58841	16,891	101%	6
HM5522	14,192	163%	4
SVTM9016	11,960	115%	3
SVTM9013	11,309	91%	3
SVTM9027	8,210	2,755%	1
H1996	7,036	263%	2
HM7103	6,050	228%	2
HM5511	5,633	332%	2
H2015	5,596	-	1
N6475	4,152	950%	1
HM8268	3,993	-	1
BP74	3,478	93%	2
SVTM9032	2,549	1,040%	1
SVTM1082	2,468	31%	5
SVTM9023	2,277	34%	2
Total	105,794	141.6%	2.4

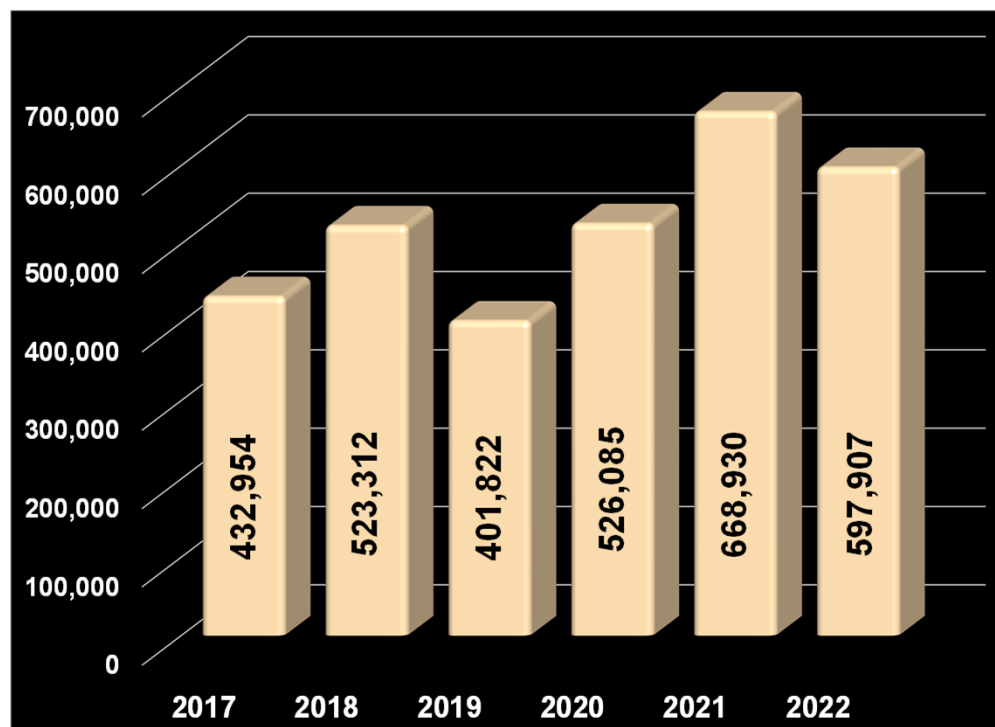
Top 15 Decrease

Variety	Loads	% Lost	Age
SVTM9024	-10,852	97%	2
H1662	-8,252	34%	5
DRI319	-7,536	82%	12
H4707	-6,423	43%	14
H1428	-6,348	69%	7
SVTM9011	-5,220	59%	3
SVTM9008	-4,749	58%	4
SV8011TM	-4,729	89%	7
SVTM9014	-4,074	31%	3
BQ400	-3,968	33%	6
BQ273	-3,734	28%	8
BP13	-3,684	60%	7
BP43	-3,652	43%	5
H2401	-3,625	86%	20
HM5235	-3,287	47%	6
Total	-80,133	51.5%	7.3

2022 Season Review

California Organic Production

Historical Organic Tons: 2017 – 2022



2 Year Top 15 Organic Varieties

% Organic Loads & Loads Change from Previous Year

2022

Variety	Loads	% Organic	▲ 2021
SVTM9013	3,078	13.0%	1,071
BQ400	2,460	30.0%	-465
H5608	2,230	20.8%	737
BQ273	1,696	17.7%	494
BOS811	1,591	14.0%	168
SVTM9016	1,360	6.1%	871
CXD187	1,206	70.3%	-1,955
SVTM9014	1,155	12.7%	170
HM5522	975	4.3%	753
BQ403	810	9.6%	-1,204
SVTM9023	712	8.0%	-196
SVTM9025	681	9.8%	28
N6416	645	21.1%	-27
HM58841	590	1.8%	23
HM4521	512	5.5%	361
Total	19,701	16.3%	55

2021

Variety	Loads	% Organic	▲ 2020
CXD187	3,161	65.3%	1,231
BQ400	2,925	24.1%	554
BQ403	2,014	17.7%	-31
SVTM9013	2,007	16.2%	1,562
H5608	1,493	13.7%	73
SVTM9000	1,483	42.2%	403
BOS811	1,423	11.3%	351
SVTM9024	1,356	12.1%	1,356
BQ273	1,202	9.0%	-1,307
SVTM9014	985	7.5%	482
SV8011TM	908	17.0%	-66
SVTM9023	908	13.6%	908
N6428	793	2.5%	155
N6416	672	19.0%	441
SVTM9025	653	11.5%	653
Total	21,983	18.9%	451

2022 Season Review

California Organic Production

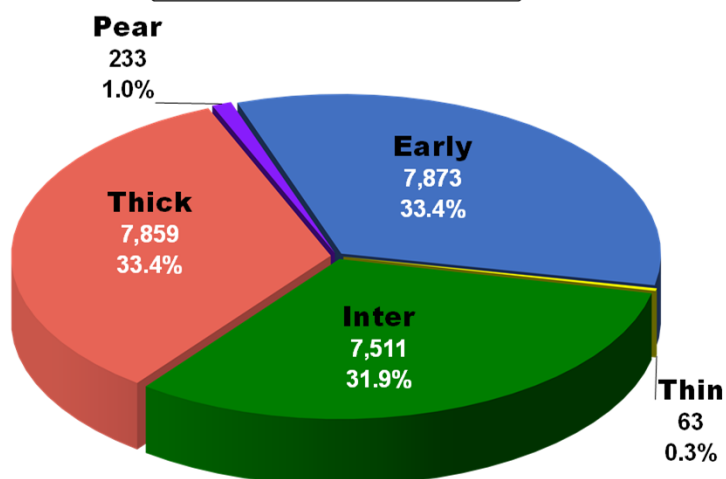
2 Year Tons by Region

County	2022 Short Tons	2021	2022 %	2021
North				
Colusa	-	2,091	-	2.0%
Sacramento	-	1,586	-	1.5%
Sutter	27,793	33,012	29.6%	31.9%
Yolo	65,973	66,761	70.4%	64.5%
Total	93,766	103,450	15.7%	15.5%
Coast				
San Benito	11,653	-	100.0%	-
Total	11,653	-	1.9%	-
Central				
Contra Costa	293	-	0.5%	-
Merced	35,825	31,604	63.2%	60.7%
San Joaquin	13,760	15,887	24.3%	30.5%
Stanislaus	6,787	4,545	12.0%	8.7%
Total	56,665	52,036	9.5%	7.8%
South				
Fresno	175,044	219,910	40.2%	42.8%
Imperial	-	6,999	-	1.4%
Kern	170,645	174,409	39.2%	34.0%
Kings	78,837	84,511	18.1%	16.5%
Madera	11,297	27,615	-	5.4%
Total	435,824	513,444	72.9%	76.8%
Statewide	597,907	668,930		
Market Share	5.84%	6.30%		

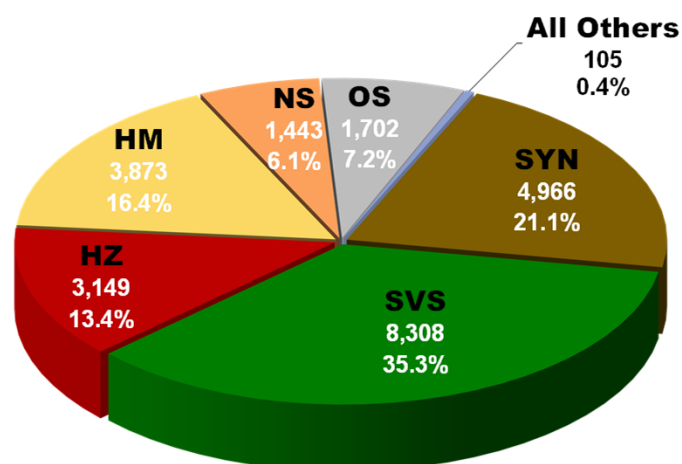
California Organic Production

Class vs Supplier by Organic Loads

Class by Loads



Supplier by Loads



Trial Breakdown

Total 208

Plot: 69 Locations

Chemistry & early indications of horticultural performance



GT: 38 Locations

First true test of yield and commercial viability



Adaptive: 44 Locations

Confirmation of commercial potential



Specialty: 57 Locations

Testing for chemistry, disease, paste and dice recovery



Cannery Tomato



2022



Varieties By Class

Early Varieties

13.9% of Total Market

Final PTAB Loads: 58,142

117 Days or Less

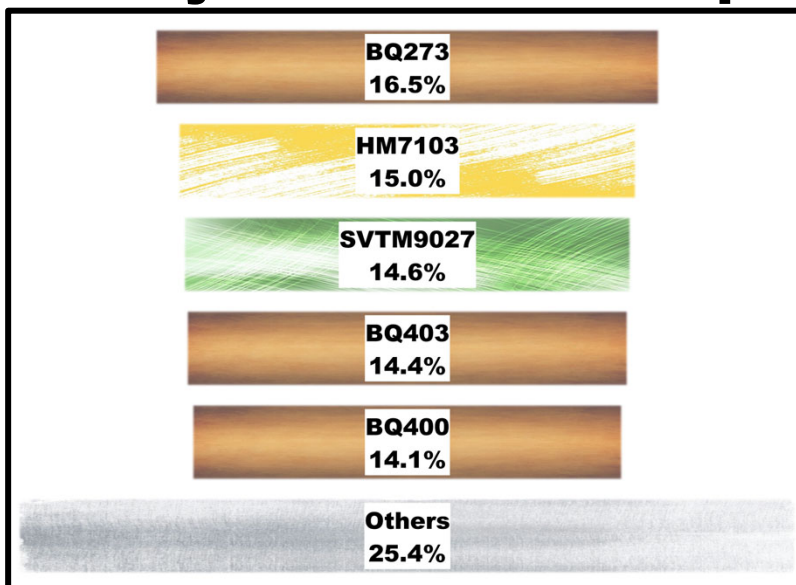
Loads Decreased — **Vs. 2021** — **Solids Increased**
16.1% **0.26**

Early Pack Timeline

% Packed: 21-Day Harvest Intervals

Class	23-Jul	13-Aug	3-Sep	24-Sep
Early	50.2%	91.0%	97.2%	98.6%

Variety Market Share Top 5



Class Market Share

By Region

Final PTAB Report

Class	North	Central	South	Coast
Early	8.7%	4.3%	22.7%	13.9%

2022 Season Review

Early

Disease

Harvest by

VFFFNtsw

Aug 10th

SVTM9033

Semi-Commercial Variety

Days: 114



1st Early « » Viscosity

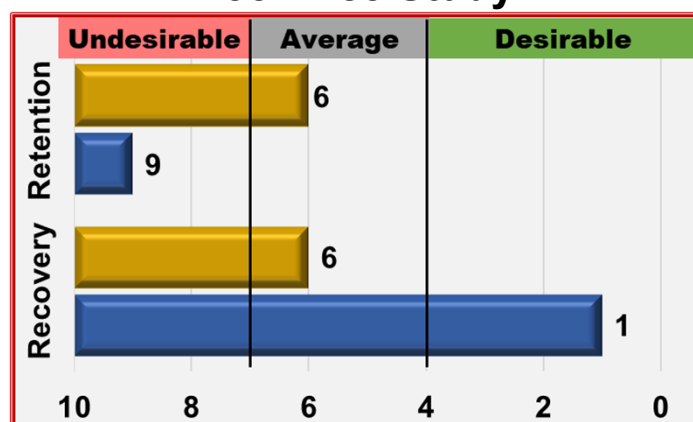
Limited

2022 AgSeeds Lab

31 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
BQ273	82	5.32	13.84	4.12	2.27	372	5.62	4.30
SVTM9033	75	5.23	11.95	3.02	2.17	487	7.35	4.34
Early Avg	82	5.47	15.04	4.96	2.27	316	4.79	4.34

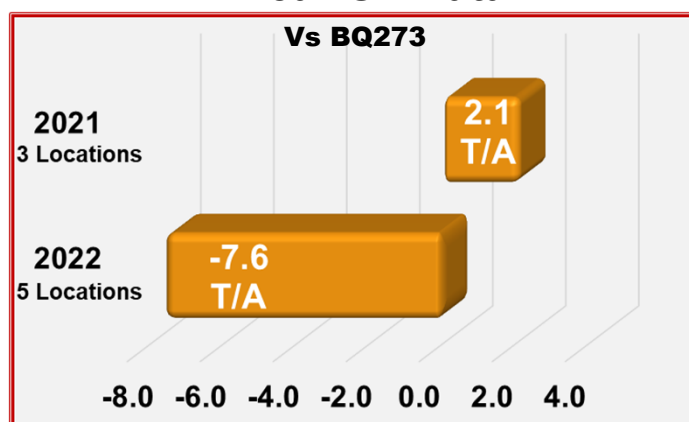
Peel/Dice Study



Ranked out of 9 early varieties, 1 is the best

■ SVTM9033 ■ BQ400

2 Year GT Data



BQ273

N6459

Class Varieties

SVTM9000

N6416

2022 Season Review

Early

Disease

Harvest by

SVTM9034

VFFFNtsw

Aug 15th

Semi-Commercial Variety

Days: 116



Large Vine « » Brix

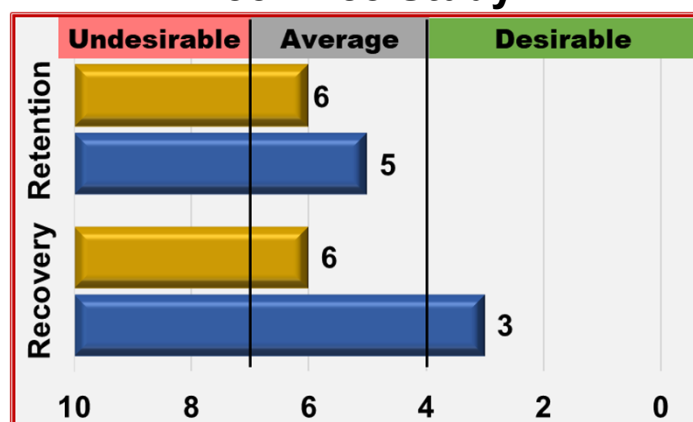


2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
BQ273	82	5.26	13.83	4.02	2.28	363	5.47	4.28
SVTM9034	88	5.78	15.42	5.66	2.26	299	4.51	4.37
Early Avg	82	5.43	15.03	4.89	2.26	310	4.68	4.33

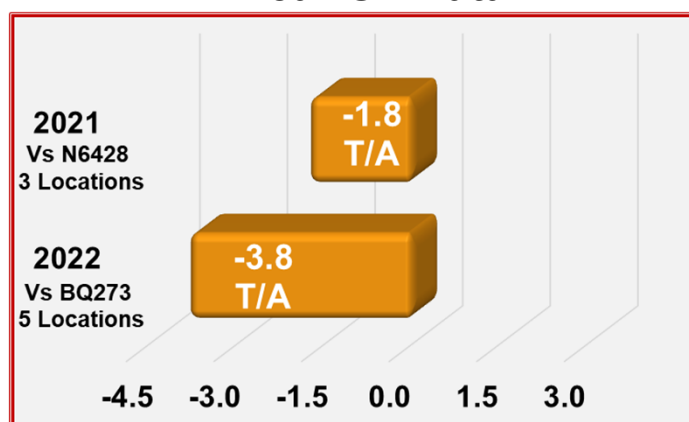
Peel/Dice Study



Ranked out of 9 early varieties, 1 is the best

■ SVTM9034 ■ BQ400

2 Year GT Data



BQ273

HM7103

Class Varieties

SVTM9027

BQ403

Thin Varieties

12.2% of Total Market

Final PTAB Loads: 51,010

PPB $\geq$ 4.90

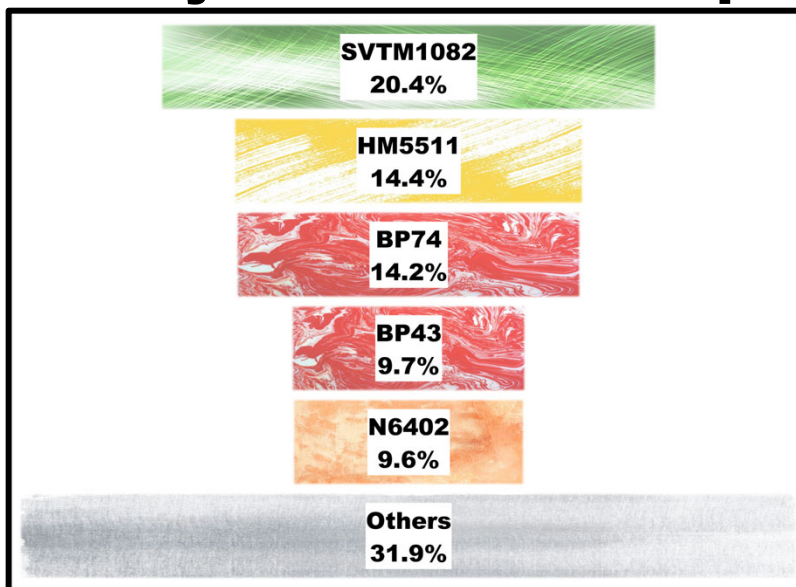
Loads Decreased 18.6% — Vs. 2021 — Solids Decreased 0.07

Early Pack Timeline

% Packed: 21-Day Harvest Intervals

Class	23-Jul	13-Aug	3-Sep	24-Sep
Thin	8.0%	35.6%	60.4%	87.4%

Variety Market Share Top 5



Class Market Share

By Region

Final PTAB Report

Class	North	Central	South	Coast
Thin	7.6%	20.8%	11.0%	9.1%

2022 Season Review

Thin

Disease

Harvest by

VFFFNptsw

Aug 25th

Semi-Commercial Variety

Days: 123



F3 « » Thin

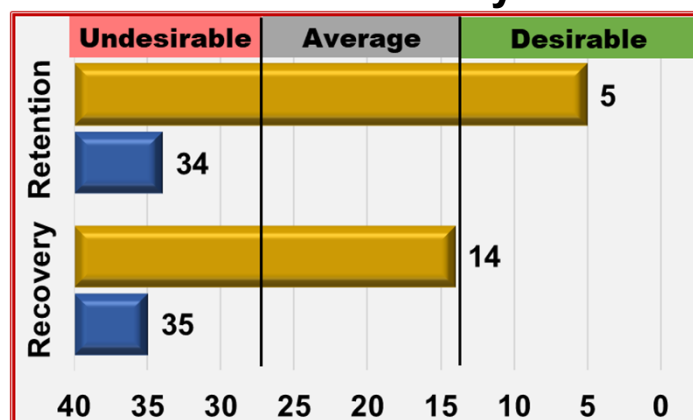


2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
SVTM9012	86	5.89	14.68	5.46	2.27	323	4.87	4.32
UG6617	79	5.76	16.02	5.92	2.21	291	4.39	4.35
Thin Avg	79	5.69	14.83	5.23	2.22	318	4.80	4.31

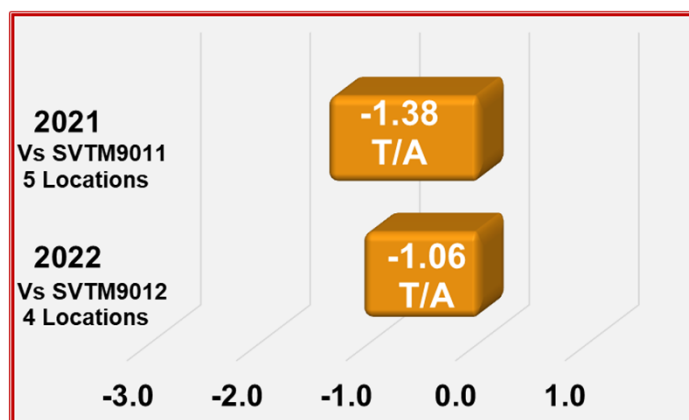
Peel/Dice Study



Ranked out of 37 early varieties, 1 is the best

■ UG6617 ■ HM5522

2 Year GT Data



2022 Adaptives

2 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
SVTM9012	61.5	0.0%	4.93	3.0	7.4	22.4	2.3
UG6617	60.0	-2.3%	5.15	3.5	6.8	23.5	3.8

SVTM1082

HM5511

Class Varieties

BP74

SVTM9011

Intermediate Varieties

39.0% of Total Market

Final PTAB Loads: 163,349

3.06 ≤ PPB ≤ 4.89

**Loads Increased
22.1%**

— Vs. 2021 —

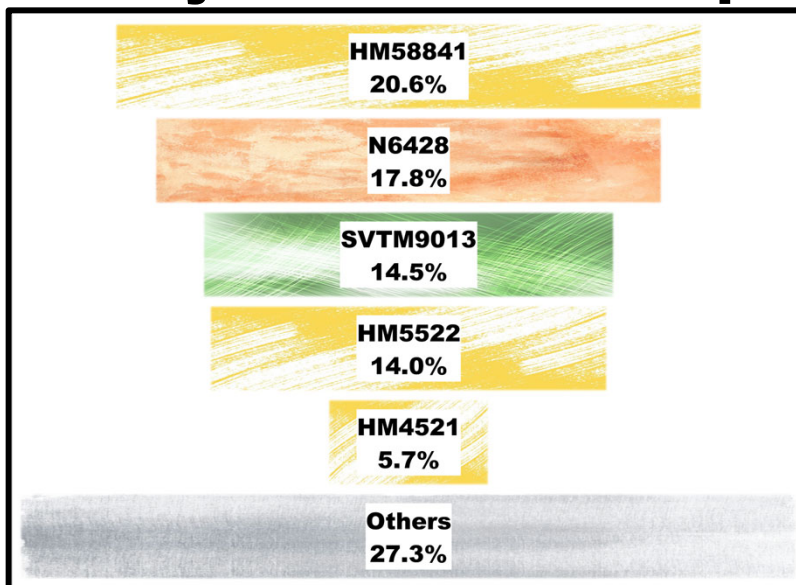
**Solids Increased
0.02**

Early Pack Timeline

% Packed: 21-Day Harvest Intervals

Class	23-Jul	13-Aug	3-Sep	24-Sep
Inter	1.8%	20.9%	53.4%	75.7%

Variety Market Share Top 5



Class Market Share

By Region

Final PTAB Report

Class	North	Central	South	Coast
Inter	51.6%	41.5%	28.3%	51.2%

2022 Season Review

Inter

Disease

Harvest by

VFFFNtsw

Aug 30th

HM8268

Commercial Variety

Days: 123



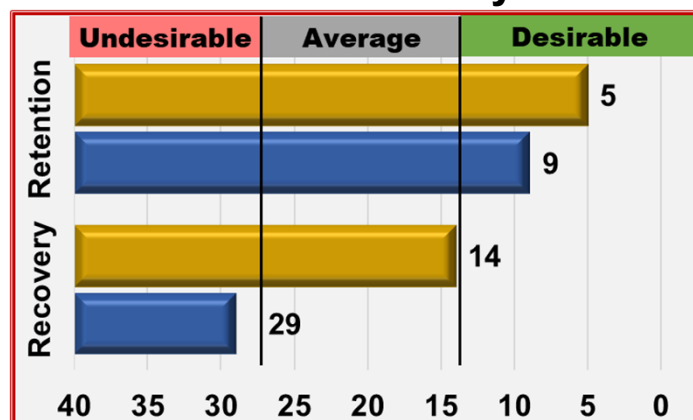
High Brix « » Peel Quality

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
HM5522	79	5.98	12.66	4.61	2.30	359	5.42	4.28
HM8268	78	5.75	12.94	4.37	2.29	390	5.87	4.32
Inter Avg	80	5.49	13.20	4.07	2.25	352	5.30	4.32

Peel/Dice Study

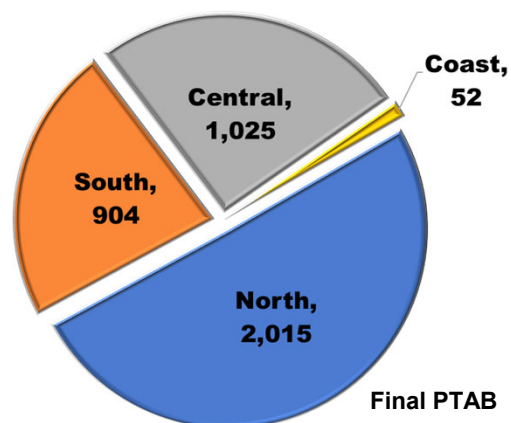


Ranked out of 37 early varieties, 1 is the best

■ HM8268

■ HM5522

2022 Regional PTAB



Final PTAB

2022 PTAB

Final PTAB

Variety	Loads	Brix	Mold	LU	Color	Green	pH
HM5522	22,895	5.81	1.0	1.0	20.6	1.1	4.38
HM8268	3,996	5.42	1.5	2.2	20.8	2.3	4.45
N6428	29,137	4.89	3.6	2.2	22.4	3.8	4.50

N6428

N6434

Class Varieties

HM5235

HM5522

2022 Season Review

Inter

Disease

Harvest by

VFFFNtswFrMv*

Oct 1st

HM8237

Commercial Variety

Days: 126



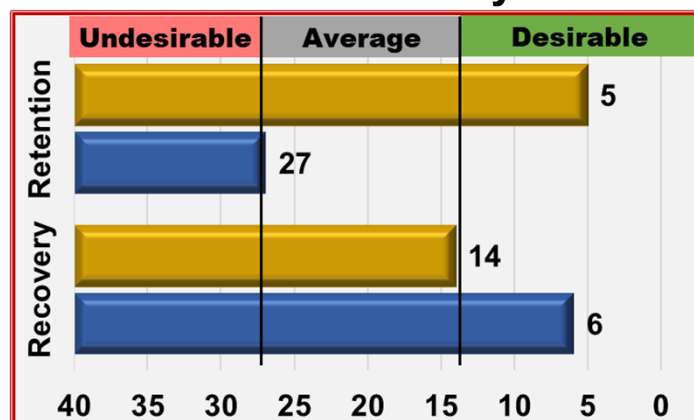
High Yield « » Strong EFH

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
SVTM9013	87	5.44	12.47	3.62	2.27	400	6.04	4.30
HM8237	85	5.39	12.97	3.79	2.20	273	4.11	4.28
Inter Avg	80	5.49	13.20	4.07	2.25	352	5.30	4.32

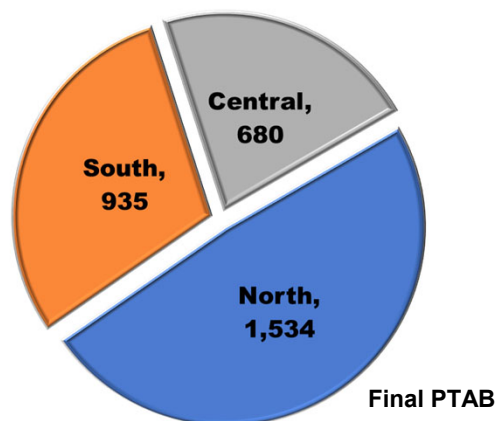
Peel/Dice Study



Ranked out of 37 early varieties, 1 is the best

■ HM8237 ■ HM5522

2022 Regional PTAB



2022 PTAB

Final PTAB

Variety	Loads	Brix	Mold	LU	Color	Green	pH
HM58841	33,686	5.21	3.9	1.0	21.8	1.8	4.45
HM8237	3,149	5.14	2.0	0.9	22.0	1.8	4.39
N6428	29,137	4.89	3.6	2.2	22.4	3.8	4.50

N6428

N6434

Class Varieties

SVTM9014

HM58841

2022 Season Review

Inter

Disease

Harvest by

VFFFNPTsw*

Sept 1st

Semi-Commercial Variety

Days: 122

BP59



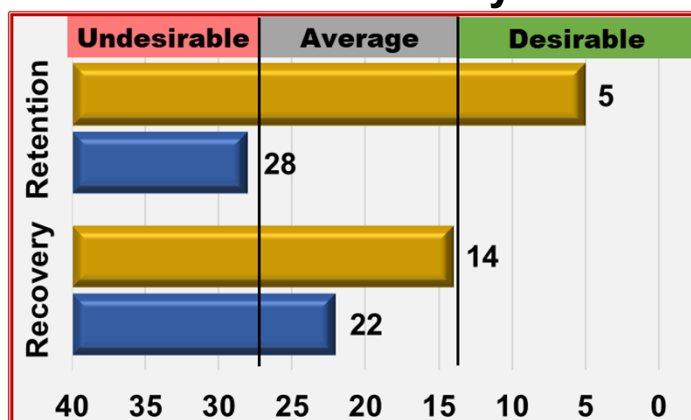
« **Brix** »

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
N6428	80	5.12	13.23	3.47	2.18	393	5.93	4.35
BP59	67	5.65	13.89	4.68	2.24	285	4.30	4.31
Inter Avg	80	5.49	13.20	4.07	2.25	352	5.30	4.32

Peel/Dice Study

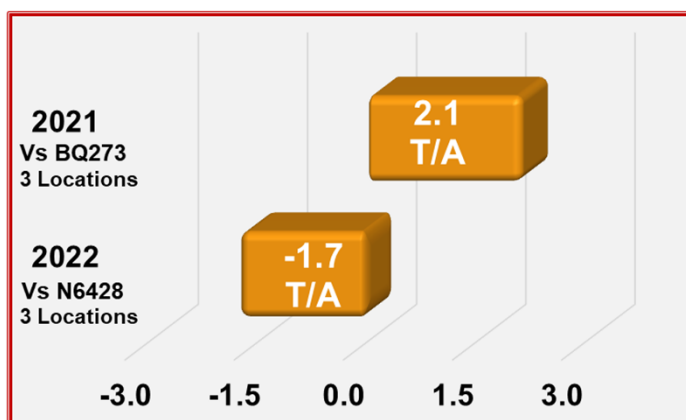


Ranked out of 37 early varieties, 1 is the best

■ BP59

■ HM5522

2 Year GT Data



2022 Adaptives

5 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
N6428	58.3	0.0%	4.85	3.1	1.7	21.8	1.9
BP59	55.2	-5.6%	5.59	1.4	0.7	21.0	1.2

N6428

SVTM9014

Class Varieties

HM5235

HM5522

2022 Season Review

Inter

Disease

Harvest by

VFFFNtsw

Aug 30th

HMC8512

Semi-Commercial Variety

Days: 123



Yield « » Brix

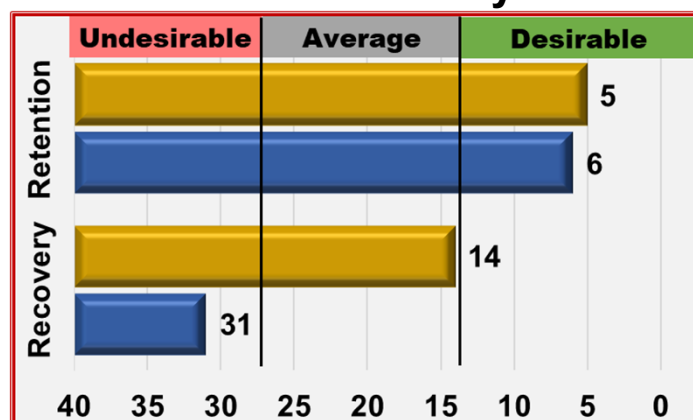


2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
HM5522	79	5.98	12.66	4.61	2.30	359	5.42	4.28
HMC8512	80	5.80	13.08	4.52	2.29	369	5.57	4.34
Inter Avg	80	5.49	13.20	4.07	2.25	352	5.30	4.32

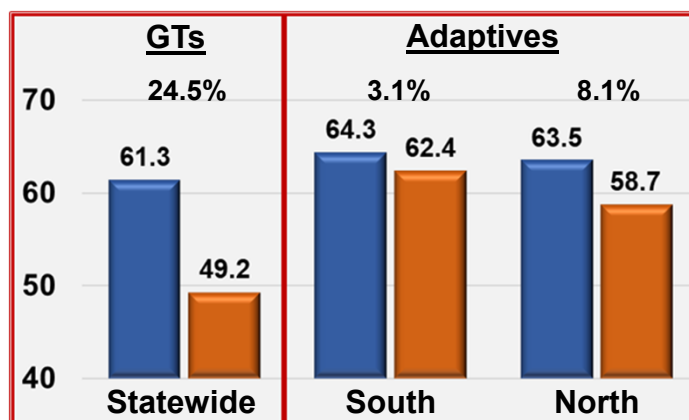
Peel/Dice Study



Ranked out of 37 early varieties, 1 is the best

■ HMC8512 ■ HM5522

2022 Yield Data



9 Locations

6 Locations

2 Locations

■ HMC8512 ■ N6428

2022 Adaptives

8 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
HMC8512	64.1	6.9%	5.47	1.7	2.0	21.0	2.3
N6428	61.5	1.4%	4.84	1.1	2.1	22.4	2.9

HM58841

HM3887

Class Varieties

HM5235

HM5522

2022 Season Review

Inter

Disease

Harvest by

SVTM9036

VFFFNptswLv*

Sept 15th

Semi-Commercial Variety

Days: 127



Yield « » Brix

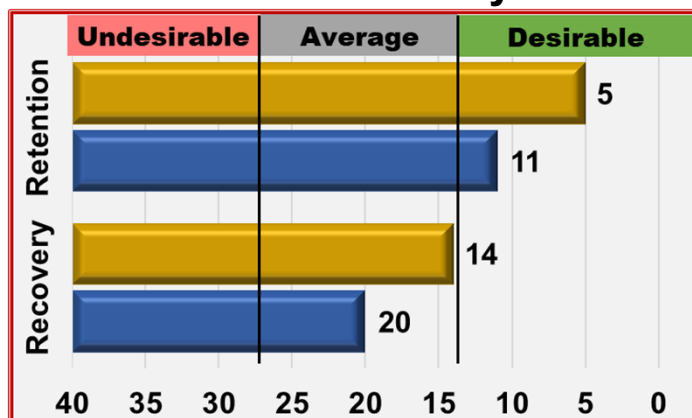


2022 AgSeeds Lab

36 Locations

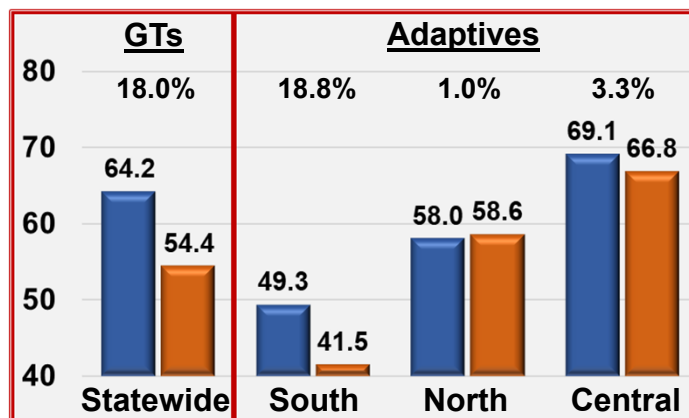
Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
HM58841	78	5.52	11.51	3.28	2.18	428	6.45	4.33
SVTM9036	85	5.39	12.66	3.64	2.17	422	6.36	4.33
Inter Avg	80	5.49	13.20	4.07	2.25	352	5.30	4.32

Peel/Dice Study



■ SVTM9036 ■ HM5522

2022 Yield Data



6 Locations 3 Locations 1 Location 3 Locations
■ SVTM9036 ■ N6428

2022 Adaptives

7 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
SVTM9036	59.0	11.9%	5.28	4.0	2.3	22.0	1.9
N6428	54.8	0.0%	5.05	4.0	1.4	21.8	3.4

HM58841

N6428

Class Varieties

SVTM9013

N6434

Thick Varieties

31.5% of Total Market

Final PTAB Loads: 131,795

PPB ≤ 3.05

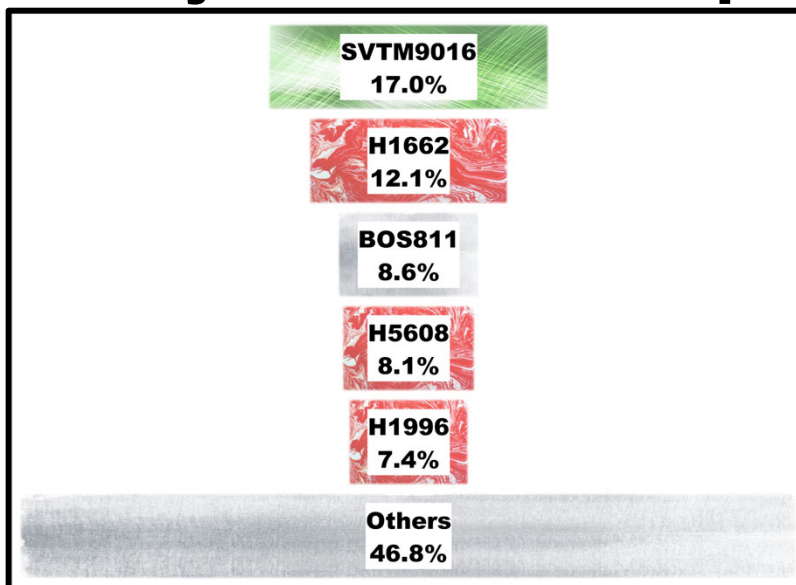
Loads **Decreased** 8.5% — **Vs. 2021** — Solids **Decreased** 0.07

Early Pack Timeline

% Packed: 21-Day Harvest Intervals

Class	23-Jul	13-Aug	3-Sep	24-Sep
Thick	4.2%	17.9%	41.0%	73.1%

Variety Market Share Top 5



Class Market Share

By Region

Final PTAB Report

Class	North	Central	South	Coast
Thick	29.4%	30.3%	33.8%	24.3%

2022 Season Review

Thick

Disease

Harvest by

VFFFNptsw

Sept 15th

Commercial Variety

Days: 127

H2016



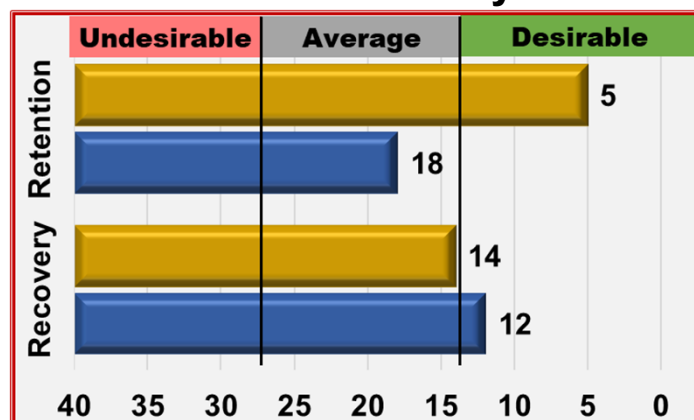
Adaptability « » Color

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
H1662	77	5.16	11.03	2.44	2.17	680	10.25	4.32
H2016	82	4.88	11.19	2.07	2.31	479	7.22	4.30
Thick Avg	78	5.12	11.26	2.50	2.23	539	8.12	4.30

Peel/Dice Study

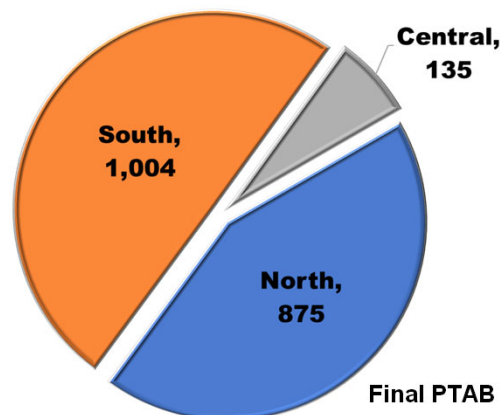


Ranked out of 37 early varieties, 1 is the best

■ H2016

■ HM5522

2022 Regional PTAB



Final PTAB

2022 PTAB

Final PTAB

Variety	Loads	Brix	Mold	LU	Color	Green	pH
H1662	15,928	5.10	3.0	1.9	22.3	3.4	4.45
H2016	2,014	4.77	2.5	1.9	20.9	3.9	4.42
SVTM9016	22,370	5.07	4.0	0.7	22.1	3.1	4.41

SVTM9016

H1662

Class Varieties

BOS811

H5608

2022 Season Review

Thick

Disease

Harvest by

SVTM9037

VFFFNpTswLv*

Sept 20th

Semi-Commercial Variety

Days: 127



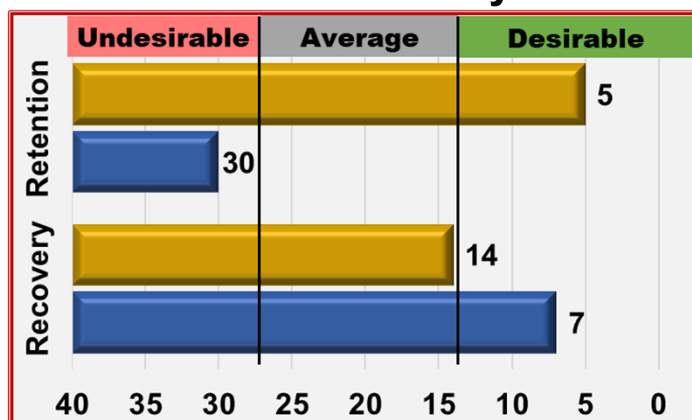
Yield « » Viscosity

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
H1662	77	5.16	11.03	2.44	2.17	680	10.25	4.32
SVTM9037	76	5.22	10.64	2.35	2.12	826	12.45	4.27
Thick Avg	78	5.12	11.26	2.50	2.23	539	8.12	4.30

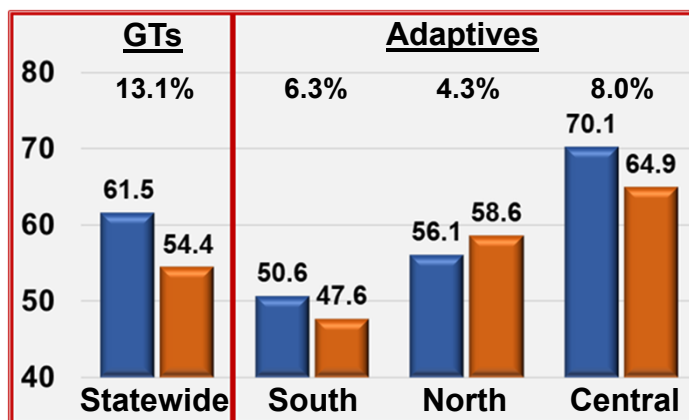
Peel/Dice Study



Ranked out of 37 early varieties, 1 is the best

■ SVTM9037 ■ HM5522

2022 Yield Data



6 Locations 7 Locations 1 Location 4 Locations

■ SVTM9037 ■ N6428

2022 Adaptives

12 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
SVTM9037	57.6	7.2%	5.16	2.9	0.9	22.1	2.5
N6428	54.3	0.0%	5.07	3.9	1.3	21.8	3.2

SVTM9016

H1662

Class Varieties

N6475

H4707

2022 Season Review

Thick

Disease

Harvest by

SVTM9038

VFFFNPTsw*

Sept 20th

Semi-Commercial Variety

Days: 125



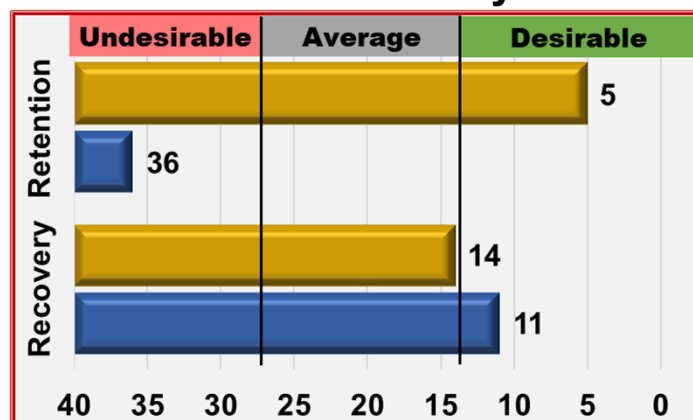
« **Viscosity** »

2022 AgSeeds Lab

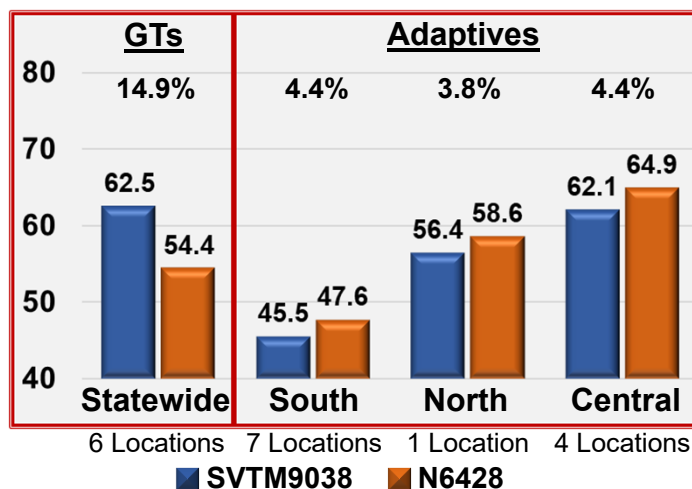
36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
H1662	77	5.16	11.03	2.44	2.17	680	10.25	4.32
SVTM9038	70	4.91	10.51	1.78	2.20	776	11.70	4.31
Thick Avg	78	5.12	11.26	2.50	2.23	539	8.12	4.30

Peel/Dice Study



2022 Yield Data



2022 Adaptives

12 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
N6428	54.3	0.0%	5.07	3.9	1.3	21.8	3.2
SVTM9038	52.0	-4.3%	4.88	2.9	0.5	21.6	4.5

SVTM9016

H1662

Class Varieties

N6475

H4707

Pear Varieties

3.0% of Total Market

Final PTAB Loads: 12,745

Pear Shape

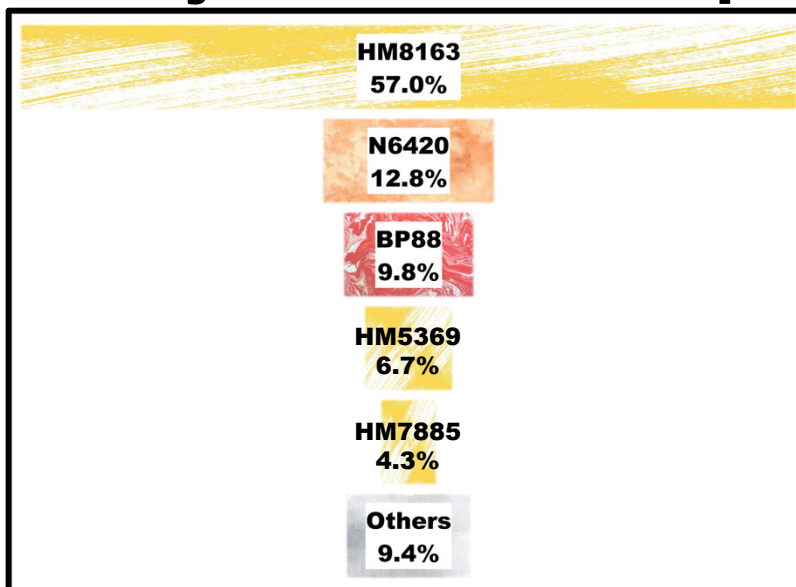
Loads Increased 4.5% — Vs. 2021 — Solids Decreased 0.05

Early Pack Timeline

% Packed: 21-Day Harvest Intervals

Class	23-Jul	13-Aug	3-Sep	24-Sep
Pear	7.0%	39.7%	71.5%	94.5%

Variety Market Share Top 5



Class Market Share

By Region

Final PTAB Report

Class	North	Central	South	Coast
Pear	2.0%	3.0%	3.9%	-

2022 Season Review

Pear

Disease

Harvest by

VFFFNptsw

Sept 1st

Semi-Commercial Variety

Days: 121



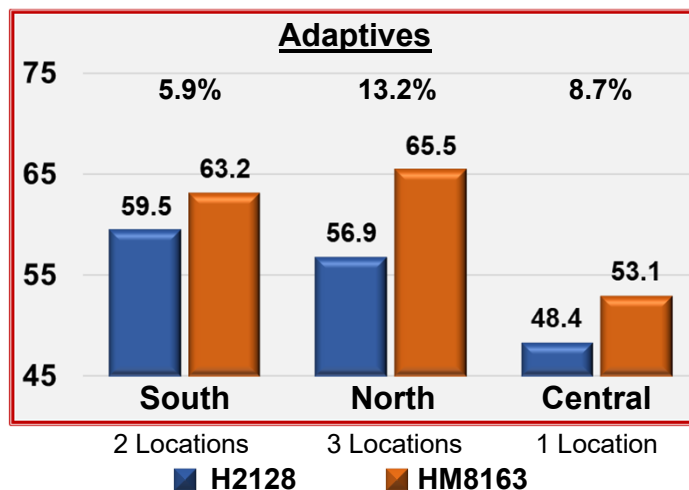
« **F3** »

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
HM8163	75	5.85	13.04	4.59	2.30	313	4.72	4.39
H2128	71	5.42	13.85	4.28	2.36	417	6.29	4.48
Pear Avg	76	5.43	14.34	4.54	2.29	293	4.42	4.41

2022 Yield Data



2022 Adaptives

6 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
HM8163	62.7	0.0%	5.55	1.1	1.2	20.7	0.7
H2128	56.4	-8.6%	5.12	0.7	3.9	20.5	0.7

HM8163

N6420

Class Varieties

BP88

H1293

2022 Season Review

Pear

Disease

Harvest by

VFFFNptsw

Sept 1st

Semi-Commercial Variety

Days: 123



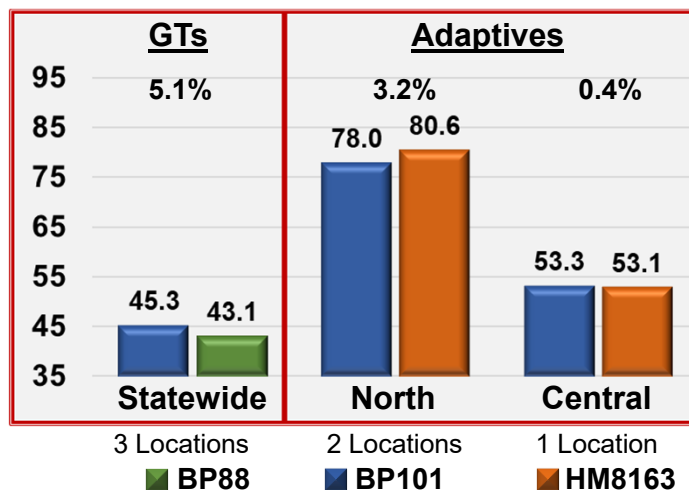
« **F3** »

2022 AgSeeds Lab

9 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
HM8163	70	5.64	12.33	3.89	2.29	307	4.63	4.33
BP101	79	4.89	13.70	3.34	2.24	243	3.67	4.28
Pear Avg	76	5.43	14.34	4.54	2.29	293	4.42	4.41

2022 Yield Data



2022 Adaptives

3 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
HM8163	66.9	0.0%	5.58	1.7	0.5	20.3	0.3
BP101	65.7	-1.4%	4.73	0.8	1.5	21.4	0.8

HM8163

N6420

Class Varieties

BP88

H1293

2022 Season Review

Pear

Disease

Harvest by

VFFFNtswFr

Sept 1st

HM8507
Semi-Commercial Variety

Days: 122



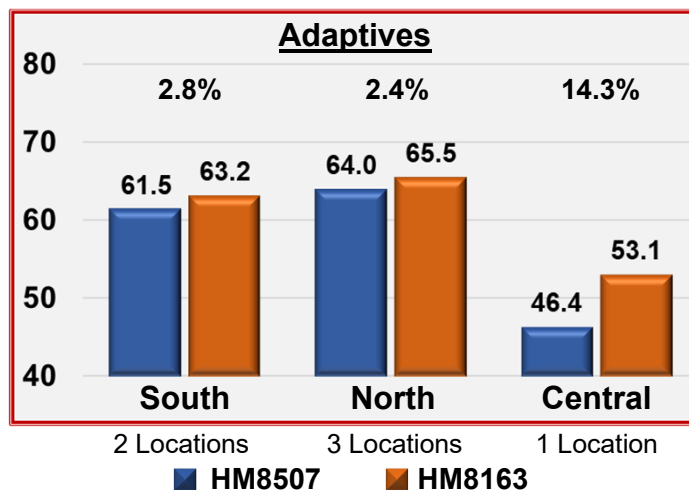
F3 « » Brix

2022 AgSeeds Lab

36 Locations

Variety	FW	Brix	JB	PPB	A/B	Ost	cSt	pH
HM8163	75	5.85	13.04	4.59	2.30	313	4.72	4.39
HM8507	74	5.91	14.31	5.31	2.38	268	4.04	4.40
Pear Avg	76	5.43	14.34	4.54	2.29	293	4.42	4.41

2022 Yield Data



2022 Adaptives

6 Locations

Variety	T/A	Yield ▲	Brix	Mold	LU	Color	Green
HM8163	62.7	0.0%	5.55	1.1	1.2	20.7	0.7
HM8507	60.2	-3.4%	5.44	0.9	2.1	19.9	1.3

HM8163

N6420

Class Varieties

BP88

H1293