

**Report to the Oregon Processed Vegetable Commission
1994-1995**

1. **Title:** Sweet Corn Variety Evaluation
2. **Project Leaders:** J. R. Baggett, Horticulture
Brian Yorgey, Food Science and Technology
3. **Project Status:** Terminating June 30, 1995
4. **Project Funding:** \$ 4,000 field trials
\$ 2,398 supplemental technical support (field trials)
\$ 4,440 processing
\$10,838

Funds were used for research farm expenses and labor for harvesting, processing, and evaluation of corn samples.

5. **Objectives:**

To determine the production and processing potential of new introductions of sweet corn.

6. **Report of Progress:**

- A. Replicated plot trials of standard sweet (su) and SE (sugary enhanced) corn varieties were planted on May 18, and supersweet (sh) varieties were planted in a separate field on May 17. In each case, there were four replications, each 30 feet long in rows three feet apart. Replications were arranged in randomized blocks. In the May 18 planting, the SE varieties were separated from the su varieties by a block of SE rows to minimize the effect of the su on SE varieties. Yellow and bi-color varieties were grown together. Additional varieties of each type of corn were planted in non-replicated plots for observation and yield estimates.

In each planting, plots were overseeded and thinned to stand about 9" apart, or a population of 19,000 per acre. Harvests were made at about 72% moisture for su and SE varieties and about 77% for supersweet varieties, as determined by microwave method. Factors observed are shown in the tables. Except for descriptive observations (Tables 3 and 6), and for the observation plots, all data were obtained separately for each replication.

Varieties which appeared to have promise for processing were canned and frozen at the Food Science and Technology pilot plant. Objective data and panel evaluations of processed corn samples will be reported at a later date.

- B. Varieties which were noted to have sufficient merit to justify further trial are listed below. Varieties marked * were processed.

SE Varieties:

- *GH 2684 - very good cylindrical shape, uniform, good yield (9.7 T/A), tender
- *Empire - very good yield (10.2 T/A), very good cylindrical shape, good flavor, tender
- GH 1834 - uniform, neat, attractive ears, good yield (8.5 T/A)
- DSX 887 - good color and flavor, good yield (8.7 T/A)

Sweet (su) Varieties:

- *GH 1685C - small ears, uniform, refined, good yield (8.7 T/A)
- *More - refined, good tip fill, tender, good yield (8.5 T/A)
- *GH 1861 - neat, uniform ears, good yield (8.6 T/A), some poor tips
- *Splendor - good yield (9.2 T/A), large ears, uniform and refined

Additionally, *Eliminator yielded well but pericarp toughness may be a problem, and *HMX 9372 and *HMX 9373 both had good quality ratings, but yields were below average.

Supersweet (sh₂) Varieties:

- *Crisp 'n Sweet 710A - uniform, good yield (8.3 T/A) but fairly tough
- *Triton - uniform large ears, good yield (8.5 T/A), tender
- *Victor - ears good size and shape, good yield (8.7 T/A), uniformity may be a problem
- *FMX 324 - very good flavor, large refined ears, fair yield (7.4 T/A)
- *GSS 3451 - very good yield (9.6 T/A), uniform, refined, good flavor, very good cylindrical shape
- *GSS 4606 - good flavor, good tip fill, somewhat rough and pointed, good yield (9.0 T/A)
- *GSS 6273 - good shape, good flavor, refined, good yield (8.3 T/A)
- *Krispy King - short, fat ears, very uniform and refined, good flavor, good yield (8.8 T/A)
- *Supersweet Jubilee - very uniform, refined ears, very good flavor, very good yield (9.2 T/A)

*Sunex 2757 - uniform, refined ears, good flavor, fair yield (7.8 T/A)

GSS 4644 - good flavor, good tip fill, good yield (8.3 T/A), but ears somewhat pointed

7. Summary:

Twenty SE and sweet (su) varieties and 32 supersweet varieties of corn were tested in replicated or observation plots. Four SE, four sweet, and 11 supersweet varieties were considered to be of interest and candidates for further testing. Twenty-seven varieties were canned and frozen for objective evaluations and industry panel evaluations.

8. Signatures:

Redacted for Privacy

Project Leader:

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Table 1. Yield and ear measurements, sugary enhancer (se) and sweet (su₁) corn replicated trial, Corvallis, 1994.*

Variety	Source ^y	Type ^x	Silk Date	Days to Harvest	% H ₂ O	Stand	Good Ears			Culls		Lbs/ Ear	Ear Length (in.)	Ear Diam. (in.)	Kernel Depth (mm)	Pericarp Toughness ^w
							1000/A	T/A	No/Plant	1000/A	T/A					
GH 1861	1	su	7/25	97	71.1	28	24.3	8.6	1.2	2.5	0.5	0.71	8.8	2.12	11.1	130
GH 1685C	1	su	7/30	103	70.6	28	29.2	8.7	1.5	3.3	0.6	0.60	8.2	1.90	12.4	108
Jubilee	1	su	7/29	103	70.7	27	26.7	8.3	1.4	2.4	0.4	0.63	8.2	1.96	12.1	100
GH 2684	1	se	7/27	103	70.6	28	29.2	9.7	1.5	2.9	0.6	0.67	9.1	1.95	12.1	102
Empire	1	se	8/1	105	71.2	26	31.9	10.2	1.7	8.7	1.9	0.64	8.6	1.98	11.6	100
Eliminator	2	su	7/30	106	70.3	28	22.5	9.0	1.1	2.9	0.7	0.81	8.7	2.05	11.9	172
Splendor	2	su	7/30	104	71.6	27	23.0	9.2	1.2	4.4	0.9	0.80	9.0	2.08	13.1	130
More	3	su	8/3	109	72.4	27	26.0	8.5	1.3	1.8	0.3	0.66	8.1	2.01	12.5	109
HMX 9372	4	su	8/2	108	70.0	28	21.8	7.3	1.1	3.6	0.8	0.68	9.0	1.91	11.0	132
HMX 9373	4	su	8/1	106	71.1	27	21.6	6.6	1.1	4.7	0.9	0.62	8.3	1.95	11.4	130
DSX 717	5	se	7/28	100	71.9	28	23.2	7.1	1.2	2.2	0.4	0.62	8.6	1.88	11.8	125
Troubadour	6	se	8/3	105	72.2	28	19.0	6.4	0.9	5.1	1.1	0.68	8.8	1.94	9.2	114
LSD at 5%							4.2	1.3	0.2	3.3	0.6	0.03	0.2	0.11	0.8	9.4

*Planted May 18 in rows 36" apart, thinned to 9" between plants. All values shown are means of 4 replications, arranged in randomized complete blocks. All data except cull no. and T/A were obtained from typical husked good ears. For ear length, ear diameter, and tenderness, the value used for each replication was the average of 10 individual ear measurements.

^ySources: 1 = Rogers NK, 2 = Crookham, 3 = Asgrow, 4 = Harris Moran, 5 = NW Chem. Corp., 6 = W. Newberg.

^xEndosperm type: su = sweet, se = sugary enhancer.

^wTenderness determined by a spring-operated puncture gauge; lower numbers indicate more tender pericarp.

Table 2. Yield and ear measurements, sugary enhancer (se) and sweet (su,) corn observation trial, Corvallis, 1994.*

Variety	Source ^y	Type ^x	Silk Date	Days to Harvest	Stand	Good Ears			Culls		Lbs/ Ear	Ear Length (in.)	Ear Diam. (in.)	Kernel Depth (mm)	Pericarp Toughness ^w
						1000/A	T/A	No/Plant	1000/A	T/A					
GH 1834	1	Y se	7/26	98	31	25.4	8.5	1.1	2.9	0.6	0.7	8.3	2.00	12	154
Kandy King	1	Y se	7/25	97	28	22.5	7.0	1.1	3.6	0.6	0.6	8.8	1.80	12	89
DSX 490	2	Y se	8/2	107	28	29.8	10.8	1.5	5.1	1.1	0.7	9.4	1.95	12	104
DSX 863	2	Y se	7/31	105	26	23.2	8.7	1.2	4.4	0.9	0.8	9.1	2.05	11	117
DSX 887	2	Y se	8/1	106	29	26.9	8.7	1.3	4.4	0.9	0.6	8.6	1.90	11	116
Sugar Snow	3	W se	7/23	94	26	17.4	4.6	0.9	4.4	0.8	0.5	8.3	1.80	11	128
D'Artagnon	3	B se	7/22	94	26	23.2	5.8	1.2	0.7	0.1	0.5	8.0	1.75	11	102
Temptation	4	B se	7/26	97	26	37.0	11.0	2.0	1.5	0.3	0.6	7.7	1.95	11	97

*Planted May 18 in rows 36" apart, thinned to 9" between plants. Yield estimates are from a single 20' plot. All data except cull no. and T/A were obtained from typical husked good ears. For ear length, ear diameter, and tenderness, the value shown is the average of 10 individual ear measurements.

^ySources: 1 = Rogers NK, 2 = NW Chem. Corp., 3 = Territorial, 4 = Crookham.

^xEndosperm type: Y = yellow, W = white, B = bicolor, su = sweet, se = sugary enhancer.

^wTenderness determined by a spring-operated puncture gauge; lower numbers indicate more tender pericarp.

Table 3. Descriptive observations, sugary enhancer (se) and sweet (su) corn variety trial, Corvallis, 1994.²

Variety	Source ¹	Kernel Refinement	Row Straightness	Tip Fill	Cylind. Shape	Ear Unif.	Mat. Unif.	Kernel Unif.	Flavor	Overall Score	Row #	Notes
GH 1861	1	4	3	3	3	4	3	3	3	3	18	color slightly pale, some ears with very poor tip fill
GH 1685C	1	4	4	3	4	4	4	4	3	4	14-16	ears small and uniform
Jubilee	1	4	4	4	4	3	4	4	3	4	16	
GH 2684	1	3	2	3	4.5	3	4	4	3	3	14-16	very productive but many ears curved and ear shape long and skinny
Empire	1	4	3	2-4	4.5	3.5	4	3	4	4	16-18	ears don't pick clean at shank
Eliminator	2	4	3	2-4	3	3	4	4	3	3	18-20	some ears pushing out of husks, tough texture
Splendor	2	5	2	3	4	3	4	4	2	3	20-22	ears curved and pale with some dark kernels mixed within ears
More	3	3.5	3	4	3	2.5	3	3.5	2	3	22	ears husk easily and cleanly, some rough tips
HMX 9372	4	4	4	2-4	4	3	3	4	3	3.5	18	long narrow ears, some with bad tips, second ears much smaller--may be unusable
HMX 9373	4	4	3	3	4	4	4	4	3	3.5	20-22	very uniform ears
DSX 717	5	4	4	2	2	3	3	4	3	3	16-18	ears long, skinny, and pointed
Troubadour	6	4	1.5	2-4	2	2	2	1.5	1.5	1.5	18-20	ears are pale, bumpy, and irregular
GH 1834	1	3	3	4	4	4	4	3	3	3	18	ears neat and attractive but color pale and some curved ears and green tips
Kandy King	1	4	3	3	2	3	3	3	4	3	16-20	ears pale, long, and curved

Table 3. Descriptive observations, sugary enhancer (se) and sweet (su₁) corn variety trial, Corvallis, 1994 (cont.).²

Variety	Source ¹	Kernel Refinement	Row Straightness	Tip Fill	Cylind. Shape	Ear Unif.	Mat. Unif.	Kernel Unif.	Flavor	Overall Score	Row #	Notes
DSX 490	5	3	2.5	2	3.5	2.5	3	3	3.5	2.5	12-18	long, thin ears with pale color, poor tips, and many curved
DSX 863	5	3	3	2-4	3-4	2	3	3	2.5	2.5	16-18	tip rows are jumbled, ears hard to pick
DSX 887	5	3	3	4	4	2.5	3	3	3.5	3	16-20	good color, ears hard to pick
Sugar Snow	7	3	2	3	3	2	2	2	3	3	14-16	
D'Artagnon	7	2	2	2	2	3	3	2	3	2.5	14	
Temptation	2	4	3	5	3	4	4	3	5	4.5	16	high yielding, early, and tasty

¹Planted May 18. Scores 1-5 scale, 5 = best. Overall score related to general characteristics of harvested ears.

²Sources: 1 = Rogers NK, 2 = Crookham, 3 = Asgrow, 4 = Harris Moran, 5 = NW Chem. Corp., 6 = W. Newberg, 7 = Territorial.

Table 4. Yield and ear measurements, supersweet (sh₂) corn replicated trial, Corvallis, 1994.^a

Variety	Source ^b	Silk Date	Days to Harvest	% H ₂ O	Stand	Good Ears		Culls		Lbs/ Ear	Ear Length (in.)	Ear Diam. (in.)	Kernel Depth (mm)	Pericarp Toughness ^c
						1000/A	T/A No/Plant	1000/A	T/A					
Crisp 'n Sweet 710	1	7/26	101	77.1	28	21.2	7.3	2.2	0.5	0.69	8.9	2.01	12.4	140
Crisp 'n Sweet 710A	1	7/28	101	77.4	28	22.3	8.3	2.4	0.5	0.76	8.7	1.98	11.2	145
Triton	1	7/26	101	77.4	28	22.1	8.5	1.8	0.4	0.77	9.4	2.05	12.2	108
Mystic	1	7/31	104	75.9	28	22.7	7.4	8.9	1.7	0.65	8.7	1.90	11.8	166
Victor	2	7/30	104	77.4	26	21.8	8.7	1.3	0.3	0.81	8.9	2.16	11.6	128
FMX 324	2	7/26	98	77.6	25	19.1	7.4	4.5	1.1	0.79	8.4	2.19	11.2	141
GSS 3451	3	8/2	105	76.8	26	35.9	9.6	5.1	0.9	0.54	8.2	1.88	11.4	126
GSS 4606	3	8/3	107	77.2	28	31.2	9.0	1.8	0.3	0.58	8.2	1.88	12.1	136
GSS 6273	3	7/31	104	76.8	28	25.0	8.3	9.8	1.9	0.67	8.6	1.99	12.0	132
Krispy King	3	7/27	100	76.7	28	24.9	8.8	1.3	0.3	0.72	8.0	2.14	12.2	116
Supersweet Jubilee	3	7/31	104	76.1	27	31.6	9.2	2.5	0.4	0.58	8.4	1.90	12.0	126
XPH 3074	4	7/25	99	78.1	27	21.4	8.3	1.3	0.3	0.78	8.3	2.10	11.6	118
XPH 3078	4	7/31	101	76.7	28	24.3	6.7	4.0	0.7	0.56	7.5	1.92	11.5	151
Punchline	4	7/27	100	76.0	27	20.5	5.8	0.2	0.0	0.57	7.7	1.91	10.5	136
Shaker	4	7/26	100	76.7	28	27.8	8.1	2.4	0.5	0.59	9.2	1.81	10.8	129
HMX 0380S	5	8/1	104	77.0	26	25.8	6.9	3.6	0.6	0.54	7.8	1.89	11.9	126
HMX 2384S	5	8/1	104	76.8	26	27.8	7.9	3.8	0.8	0.58	8.1	1.91	11.6	168
Sunex 2757	6	7/25	98	76.8	28	22.0	7.8	1.5	0.3	0.72	8.3	2.05	12.8	153
LSD at 5%						3.5	1.2	3.2	0.6	0.09	0.2	0.04	0.7	11.2

^aPlanted May 17 in rows 36" apart, thinned to 9" between plants. All values shown are means of 4 replications arranged in randomized complete blocks. All data except cull no. and T/A were obtained from typical husked good ears. For ear length, ear diameter, and tenderness, the value used for each replication was the average of 10 individual ear measurements. All varieties are yellow except XPH 3064, which is a bi-color.

^bSources: 1 = Crookham, 2 = Ferry Morse, 3 = Rogers, 4 = Asgrow, 5 = Harris Moran, 6 = Sunseeds.

^cTenderness determined by a spring-operated puncture gauge; lower numbers indicate more tender pericarp.

Table 5. Yield and ear measurements, supersweet (sh.) corn observation trial, Corvallis, 1994.^a

Variety	Source ^b	Silk Date	Days to Harvest	Stand	Good Ears			Culls		Lbs/ Ear	Ear Length (in.)	Ear Diam. (in.)	Kernel Depth (mm)	Pericarp Toughness ^c
					1000/A	T/A	No/Plant	1000/A	T/A					
GSS 4644	1	8/2	107	26	23.2	8.3	1.2	5.8	1.3	0.68	9.1	1.95	11	130
GSS 4369	1	7/27	100	27	22.5	7.8	1.1	0.7	0.2	0.70	8.9	2.0	13	120
FMX 351	2	7/28	101	28	21.8	8.4	1.1	0.7	0.1	0.77	7.7	2.2	12	111
FMX 352	2	7/22	98	29	21.1	7.4	1.0	0	0	0.71	8.7	2	11.5	154
Sweetear	2	7/27	100	29	22.5	8.1	1.1	4.4	0.8	0.72	8.7	2.1	10	118
DSX 29	3	7/28	101	26	19.6	6.2	1.0	3.6	0.8	0.64	8.4	1.90	11	119
DSX 331	3	7/27	100	27	21.1	5.2	1.1	0	0	0.50	7.1	1.8	12	145
Sunre 2759	4	7/31	105	27	22.5	6.7	1.1	4.4	0.9	0.60	7.6	1.9	13	156
Sunre 2774	4	7/31	105	29	24.0	7.8	1.1	10.9	2.2	0.65	8.55	1.9	11	145
XPH 3121	5	8/1	106	28	22.5	6.5	1.1	2.2	0.4	0.58	8.5	1.9	10.5	146
XPH 3091	5	8/1	106	29	23.2	8.3	1.1	0.7	0.1	0.72	8.75	2.0	11	154
Endeavor	5	7/27	101	30	23.2	7.4	1.1	0.7	0.1	0.64	8.25	1.95	13	128
Snow White	6	7/30	101	26	24.0	7.2	1.3	2.2	0.5	0.61	8.4	1.90	11	148
Maxisweet	2	7/31	105	26	24.0	8.2	1.3	2.9	0.9	0.69	8	2.15	13.5	146

^aPlanted May 17 in rows 36" apart, thinned to 9" between plants. Yield estimates are from a single 20' plot. All data except cull no. and T/A were obtained from typical husked good ears. For ear length, ear diameter, and tenderness, the value shown is the average of 10 individual ear measurements. All varieties are yellow except Snow White, which is white.

^bSources: 1 = Rogers, 2 = Ferry-Morse, 3 = NW Chem. Corp., 4 = Sunseeds, 5 = Asgrow, 6 = Harris Moran.

^cComparative scale determined by a spring-operated puncture gauge; lower numbers indicate more tender pericarp.

Table 6. Descriptive observations, supersweet (sh₂) corn trial, Corvallis, 1994.^a

Variety	Source ^b	Kernel Refinement	Row Straightness	Tip Fill	Cylind. Shape	Ear Unif.	Mat. Unif.	Kernel Unif.	Flavor	Overall Score	Row #	Notes
Crisp 'n Sweet 710	1	3	3	4	3	2	2	3	3	3	16-20	tough texture, some ears curved
Crisp 'n Sweet 710A	1	3	3	3	3	4	4	4	3	3	18	long, slightly coarse, uniform ears
Triton	1	3	3	2	4	4	3	2	3	3	18	
Mystic	1	4	3	2	3	2	3	4	3	2.5	16	ears slightly pale, many culls
Victor	2	3	3	3	4	2	2	4	3	3	18-20	
FMX 324	2	4	2	4	3	2	2	4	5	3	22	very fat, good sweet flavor
GSS 3451	3	3	3	4	4.5	4	4	3	4	4	16-18	every plant has good second ear, husks have very long flags, ears generally neat and uniform but slightly pale
GSS 4606	3	3	3	4	2.5	3	4	3	4	3.5	18	well filled ears but rough and have pointed tips
GSS 6273	3	4	3	3	4	3	3	3	4	3	18-20	slightly pale color with bad tip fill, many culls
Krispy King	3	4	4	4	4	4	5	4	4	4	18	nice uniform, short, and somewhat fat ears
Supersweet Jubilee	3	4	4	4	4	3	4	4	5	4.5	16	nice looking ears with good, sweet flavor
XPH 3074	4	3	4	4	3	4	4	3	4	3	16	many spade ears
XPH 3078	4	4	2	4	3	4	4	2	4	2.5	18	small, rough ears with tough texture
Punchline	4	4	4	4	3	4	4	3	4	4	16	very neat, uniform ears but poor yield
Shaker	4	4	3	1	3	3	3	4	4	3	16	long, thin ears with poor tip fill
HMX 0380S	5	4	3	3	4	4	4	2	4	2.5	16-18	kernel non-uniformity produces bumpy ears
HMX 2384S	5	3	4	3	4	3	3	3	3.5	3.5	14-18	tough texture

Table 6. Descriptive observations, supersweet (sh₂) corn trial, Corvallis, 1994 (cont.).^a

Variety	Source ^b	Kernel Refinement	Row Straightness	Tip Fill	Cylind. Shape	Ear Unif.	Mat. Unif.	Kernel Unif.	Flavor	Overall Score	Row #	Notes
Sunex 2757	6	4	4	5	4	4	4	3	4	4	18	some curved ears
GSS 4644	3	3	3	4	2.5	3	4	3	4	3.5	18	well filled, rough, pointed ears
GSS 4369	3	4	3	2	4	4	3	3	4	3	16	ears are long, thin, and uniform with poor tip fill
FMX 351	2	2	2	4	3	4	4	2	4	2	20	very fat, coarse ears, many curved
FMX 352	2	1	4	2-5	4	2	3	3	4	2	12	very coarse ears, many curved, sweet flavor
Sweetear	2	2	3	1-4	3	2	2	3	4	2	16-20	highly variable ears, best are large but slightly coarse, many small ears are curved, tender texture
DSX 29	7	4	3	2	3	1	1	3	5	2	16-20	very sweet, ears highly variable with many curved
DSX 331	7	5	4	4	4	3	4	4	4	4	18	small, neat ears, somewhat pale
Sunre 2759	6	2	4	4	4	4	4	3	4	2.5	14-16	poor yielding with small, coarse ears
Sunre 2774	6	3	2	2-3	4	2	2	2	2.5	2	20	very low ear position on plant
XPH 3121	4	4	3	4	4	4	3	4	4	3.5	18	tough texture
XPH 3091	4	2	3	3	4	4	4	3	2	2.5	18	coarse ears
Endeavor	4	2.5	3	3	4	4	4	4	3	2.5	16	very uniform ears but pale colored and coarse
Snow White	5	3	4	4	4	3	4	4	4	3.5	18	sweet flavor but slightly tough texture
Maxisweet	2	4	2	2	3	3	3	1	3	2	16-20	ears short, fat, and rough; flavor too sweet with a tough texture

^aPlanted May 17. Scores 1-5 scale, 5 = best; overall score related to general characteristics of harvested ears.

^bSources: 1 = Crookham, 2 = Ferry Morse, 3 = Rogers, 4 = Asgrow, 5 = Harris Moran, 6 = Sunseeds, 7 = NW Chem. Corp.

Table 7. Germination scores, sugary enhancer (se) and sweet (su₁) corn trial, Corvallis, 1994.²

Variety	Scores				AV
	Rep 1	Rep 2	Rep 3	Rep 4	
GH 1861	5	5	5	5	5
GH 1685C	4	4	5	4	4.25
Jubilee	4	5	5	5	4.75
GH 2684	4	5	5	4	4.5
Empire	4	4	4	4	4
Eliminator	5	5	5	5	5
Splendor	4	4	5	4	4.25
More	5	5	5	4	4.75
HMX 9372	4	3	3	4	3.5
HMX 9373	4	5	5	5	4.75
DSX 717	5	5	5	5	5
Troubadour	4	4	5	4	4.25
GH 1834	5				
DSX 490	5				
DSX 863	4				
DSX 887	5				
Sugar Snow	1				
D'Artagnon	2				
Temptation	5				

²Scores 1-5 scale, 5 = most vigorous.

Table 8. Germination scores, supersweet (sh₂) corn trial, Corvallis, 1994.²

Variety	Scores				
	Rep 1	Rep 2	Rep 3	Rep 4	AV
Crisp 'n Sweet 710	4	4	4	5	4.25
Crisp 'n Sweet 710A	5	5	5	5	5
Triton	5	5	5	5	5
Mystic	4	4	4	5	4.25
Victor	4	3	3	4	3.5
FMX 324	4	4	4	3	3.75
GSS 3451	4	3	3	4	3.5
GSS 4606	3	4	4	4	3.75
GSS 6273	5	5	5	5	5
Krispy King	5+	5	5+	5+	5+
Supersweet Jubilee	3	2	2	4	2.75
XPH 3074	5	4	4	4	4.25
XPH 3078	4	4	4	4	4
Punchline	4	4	3	3	3.5
Shaker	4	3	2	3	3
HMX 0380S	3	3	3	2	2.75
HMX 2384S	4	3	3	4	3.5
Sunex 2757	4	4	4	4	4
Sweetear	3				
DSX 29	4				
Endeavor	4				
DSX 331	5+				
FMX 352	5				
FMX 351	4				
GSS 4644	3				
GSS 4369	5				
XPH 3121	2				
XPH 3091	4				
Sunre 2759	2				

²Scores 1-5 scale, 5 = most vigorous.