

# HERINGER ESTATES

FAMILY VINEYARDS & WINERY

## 2022 Grape Harvest Labs

Date Sampled: 9/28/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
9/29	Aglianico	57	20.48	101.7	94.4	0.8	2.07	109	3.44	1049	5.4	156
9/29	Cabernet Franc	44	21.24	110.2	93.4	0.8	1.58	144	3.84	1718	3.1	180
9/29	Mourvèdre	78	21.2	107.5	96.8	0.7	1.78	186	3.74	1358	3.3	250
9/29	Petit Verdot	45	23.56	117.6	112.1	0.9	3.14	108	3.54	1326	4.9	145

Date Sampled: 9/22/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
9/22	Aglianico	61	18.57	90	86.7	0.8	2.27	101	3.36	1009	5.9	151
9/22	Barbera	86	23.29	115.2	108.7	0.9	3.59	164	3.42	1404	6.2	235
9/22	Cabernet Franc	41	20.03	102.8	89.3	0.8	1.45	132	3.77	1606	3.2	166
9/22	Cabernet Sauvignon	18	23.91	120.8	112.7	0.9	2.09	83	3.59	1443	3.8	98
9/22	Malbec	40	22.26	114.5	102.6	0.5	1.16	102	3.64	1545	3.4	135
9/22	Mourvedre	77	19.69	99	89.5	0.6	1.91	176	3.69	1411	3.6	239
9/22	Petit Verdot	44	20.08	98.3	94.9	0.9	3.66	107	3.47	1466	5.5	143
9/22	Tannat	32	24.13	121.7	117.2	0.7	1.75	88	3.49	1305	4.1	114
9/22	Tempranillo	25	24.61	126.2	116.4	0.7	1.56	79	3.62	1688	3.3	100
9/22	Teroldego	34	23.61	117.93	111.70	1	3	89	3.61	1793	4.5	108

Date Sampled: 9/15/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
9/15	Barbera	88	24.74	122.3	118	1.1	4.95	163	3.35	1405	7.1	235
9/15	Cabernet Franc	44	20.94	106.8	95.9	0.9	1.61	124	3.68	1341	3.6	160
9/15	Cabernet Sauvignon	41	22.98	113.5	111.9	0.8	2.89	81	3.42	1192	5.3	115
9/15	Malbec	44	24.32	123.4	114.2	0.6	1.81	118	3.72	1719	3.4	154
9/15	Mourvedre	85	19.87	98.8	92.3	0.7	2.03	183	3.63	1159	3.9	253
9/15	Petit Verdot	42	21.38	104.8	102.8	0.9	4.34	106	3.43	1416	5.9	140

9/15	Petite Sirah	46	26.08	128.4	127.9	1.3	3.43	156	3.49	1335	5.2	194
9/15	Tannat	35	25.64	129.6	124.5	0.7	1.38	61	3.26	935	5.2	90
9/15	Tempranillo	36	24.41	124.2	116.9	0.8	1.91	85	3.55	1365	3.5	115
9/15	Teroldego	22	26.57	134.2	128.8	1.1	2.49	75	3.54	1397	4.5	93

Date Sampled: 9/8/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
9/8	Cabernet Sauvignon	58	22.9	112.4	110.8	0.8	3.99	88	3.34	1232	6.4	136
9/8	Malbec	51	24.33	121.8	116.3	0.5	2.25	103	3.52	1608	4.5	145
9/8	Cabernet Franc	48	21.5	108.5	99.7	0.9	2.46	146	3.58	1418	4.6	185
9/8	Tempranillo	40	24.4	122.8	116.4	0.6	2.36	82	3.51	1727	4.7	115
9/8	Mourvedre	84	19.69	97.2	90.2	0.6	2.39	193	3.65	1486	4.5	262
9/8	Cabernet Sauvignon	57	25.47	129.6	120.9	0.7	0.88	83	3.47	1000	4.5	130
9/8	Barbera	93	24.13	116.8	115.4	0.8	6.84	153	3.24	1623	8.7	229
9/8	Aglianico	84	19.13	89.2	90.9	0.9	4.51	120	3.22	1275	8.4	189
9/8	Syrah	47	24.12	117.8	118.5	0.9	4.04	133	3.66	1931	4.6	172
9/8	Albarino	49	22.87	111.3	111	0.8	3.23	99	3.37	1407	6	139
9/8	Petite Sirah	54	26.9	133.3	129.9	0.9	1.76	142	3.56	1287	4.3	186

Date Sampled: 9/1/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
9/1	Chardonnay	84	22.18	109.5	105	1	4.24	157	3.4	1132	6.4	226
9/1	Tempranillo	41	23.05	115	110.4	0.6	3.13	69	3.39	1607	5.5	103
9/1	Malbec	52	22.25	110.3	105.9	0.4	2.9	90	3.42	1800	5.6	133
9/1	Cab Franc	45	13.52	59.5	54.1	4.4	3.44	90	2.97	3805	6.9	145
9/1	Cabernet Sauvignon	58	22.95	114.6	108.7	0.6	1.42	75	3.36	1133	5.3	123
9/1	Barbera	101	22.23	105.7	104	0.9	7.82	144	3.07	1694	11	227
9/1	Petite Sirah	33	24.41	120.2	118.4	1.1	3.52	99	3.31	1534	6.2	126
9/1	Chenin Blanc	35	20.97	104.3	101.4	1	2.83	113	3.4	1025	4.6	142
9/1	Mourvedre	83	18.52	89.7	84.2	0.7	3.31	155	3.43	1451	5.9	223
9/1	Gewurztraminer	85	22.52	112.8	104.5	1.4	2.42	178	3.75	2180	3.7	248
9/1	Primitivo	83	24.03	117.6	114.1	1.6	4.44	130	3.57	2132	5.7	198
9/1	Syrah	48	21.35	102.3	103.2	1.2	4.96	110	3.38	1727	6.4	149

Date Sampled: 8/25/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
8/25	Aglianico	99	16.18	70.9	74.8	0.8	7.45	83	2.93	1334	12.2	164
8/25	Alicante B.	55	20.33	97.1	98.5	0.8	4.16	83	3.22	1061	7.1	128
8/25	Barbera	114	20.46	94.8	95.3	1	10.26	127	2.94	1538	13.4	220
8/25	Cabernet Sauvignon	64	20.92	100	100.3	0.8	5.65	67	3.11	1295	8.7	119
8/25	Chardonnay	67	22.08	107.4	104.6	0.9	4.31	145	3.46	1641	6.3	200
8/25	Chenin Blanc	41	21.25	100.9	105.6	0.8	4.94	67	3.09	1198	7.9	101
8/25	Gewurztraminer	114	22	104.9	101.9	0.5	3.32	214	3.65	1677	4.6	307
8/25	Malbec	74	20.81	99.8	99.1	0.5	4.82	88	3.24	1563	7.6	149
8/25	Mourvedre	95	17.99	86.9	82	0.7	3.56	176	3.43	1177	5.8	254
8/25	Muscat Canelli	32	23.35	115.6	112.3	0.9	3.83	59	3.21	1036	6.8	85
8/25	Petite Sirah	81	19.24	89.9	91.5	1	6.29	147	3.1	1191	9.2	213
8/25	Pinot Noir	43	24.48	122.7	118.5	0.8	3.71	101	3.37	1356	5.6	136
8/25	Syrah	63	19.78	92.9	95.5	1	6.43	101	3.22	1545	8.5	153
8/25	Tempranillo	44	21.96	107.7	104.8	0.6	3.88	66	3.29	1458	6.3	102
8/25	Teroldego	35	22.56	110.7	108.7	0.9	3.48	44	3.18	1230	7.1	73
8/25	Verdejo	26	20.57	100.4	99.7	0.6	2.69	82	3.38	1433	5.3	103
8/25	Viognier	96	22.44	109.5	105.5	0.9	5.18	184	3.39	1551	7	263

Date Sampled: 8/19/22

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
8/19	Sauvignon Blanc	77	22	118.5	118.2	0.5	3.14	126	3.3	1091	6	189
8/19	Muscat Canelli	28	21.27	104.9	102	0.9	5.11	48	3.16	1103	7.4	71
8/19	Chardonnay	100	22.3	107.6	105.4	0.8	6.68	163	3.36	1492	7.9	245
8/19	Malbec	77	19.38	91.4	91.4	0.6	6.77	72	3.08	1512	9.6	135
8/19	Gewurtztraminer	107	20.82	101.3	99.4	0.5	3.62	192	3.56	1414	4.9	280
8/19	Pinot Noir	37	22.14	109.1	108.1	0.8	5.21	75	3.21	1205	7	105
8/19	Viognier	106	20.17	95.9	95.8	0.9	6.63	161	3.24	1278	8.2	248
8/19	Tempranillo	43	20.99	101.6	99.9	0.6	4.79	52	3.22	1471	7.2	87
8/19	Chenin Blanc	51	20.25	93.7	100.8	0.8	6.63	59	2.97	1266	9.7	101
8/19	Verdejo	34	18.79	89.6	90.8	0.6	4.04	60	3.13	1088	7.1	88

Date Sampled: 8/4, 8/11, and 8/12

Date Sampled	VARIETY	Ammonia	Brix	Fructose	Glucose	Lactic Acid	Malic Acid	N-OPA	pH	K	TA	YAN
8/4	Pinot Gris	80	20.85	100.3	97.6	0.6	4.58	122	3.18	1368	8.2	188
8/4	Gewurztraminer	139	20.81	98.5	97.4	0.2	4.05	216	3.45	1703	6.9	330
8/4	Sauvignon Blanc	101	21.14	97.5	100.9	0.5	6.44	110	2.97	1347	11.1	193
8/4	Malbec	103	17.33	77.2	78.5	0.8	10.8	65	2.82	1359	14.5	149
8/4	Pinot Noir	51	19.65	92.7	91.9	0.7	6.83	68	2.96	1388	10.8	110
8/11	Gewurztraminer	144	17.8				2.79		3.39	1610	7	275
8/11	Sauvignon Blanc	101	18.9				4.92		3.31	1920	9.5	237
8/12	Verdejo	37	17.8	84	84.5	0.6	4.59	68	3.12	1136	8	98
8/12	Viognier	99	19.39	91.7	91.2	1	6.5	176	3.31	1060	7.7	257
8/12	Pinot Gris	49	19.59	96	93.1	0.9	3.83	103	3.31	917	6.1	143
8/12	Tempranillo	58	20.2	97.2	95.1	0.6	5.68	57	3.1	1117	8.5	105
8/12	Malbec	85	18.91	88.9	88.6	0.5	6.73	83	3.07	1244	9.8	153
8/12	Pinot Noir	112	21.6	102.5	102.5	0.6	6.49	127	2.99	927	10.3	219
8/12	Chardonnay	103	20.49	97.6	95.9	0.8	7.35	167	3.31	1235	8.4	251
8/12	Muscat Canelli	53	18.83	89.2	89.1	1	7.11	82	3.14	1084	8.8	125