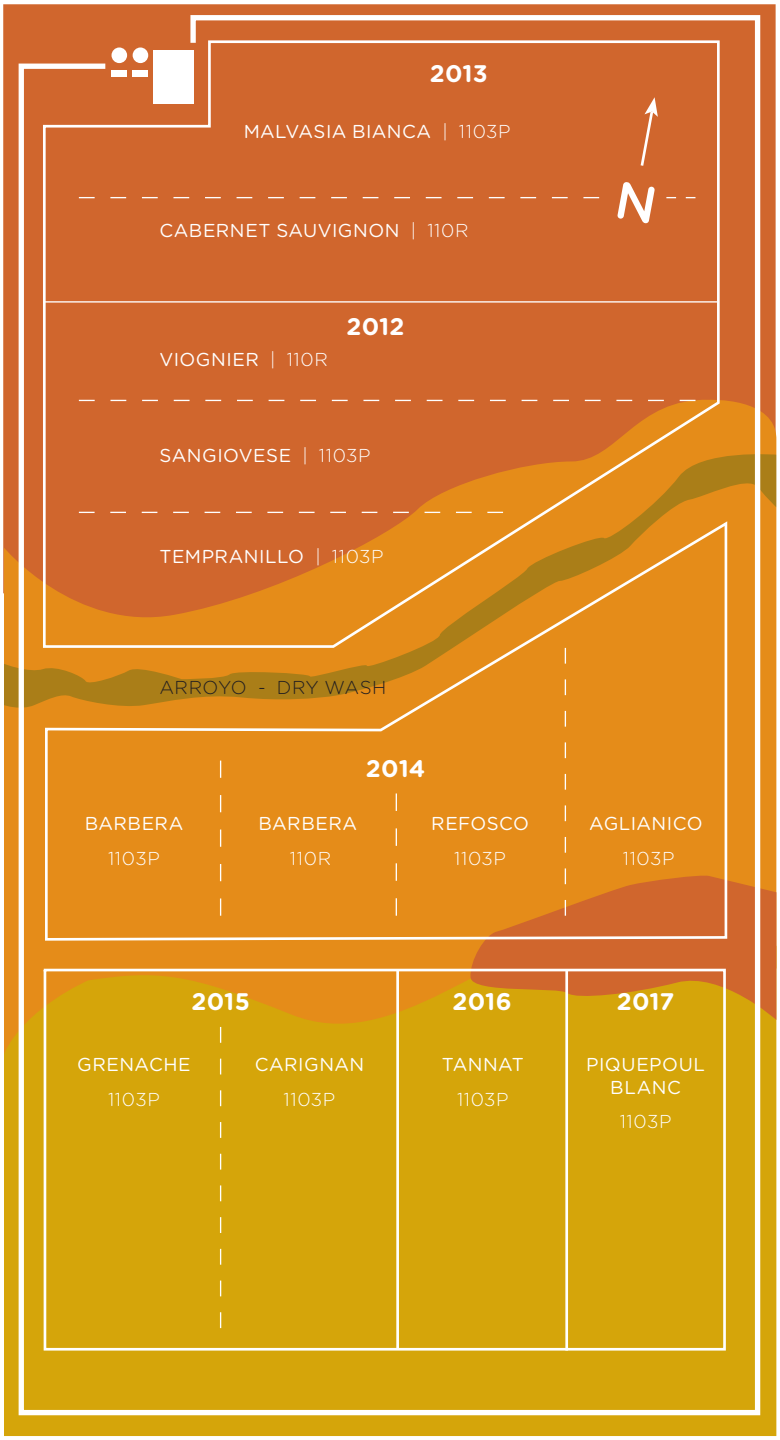
SOUTHWEST WINE CENTER
YAVAPAI COLLEGE EST. 2009

YAVAPAI COLLEGE ESTATE VINEYARD

Clarkdale, Arizona | Verde Valley – AVA



SOIL TYPE

Soil Description: Formed by the erosion of time by the Great Colorado Plateau Soil composition composed of 60% clay, thick deposits of gravel and large rocks were laid down as alluvial fans by streams entering the basin from the surrounding highlands offering moderate soil nutrients, low organic material and low drainage.

Soil Analysis:

pH: Very High 8.6
Calcium: Medium
Magnesium: Very High
Sodium: Very High
Potassium: Very High
Nitrate: Very Low
Phosphate: Very Low
Free Lime: High

SOIL TYPE

Soil Description: Formed by the erosion of time by the Great Colorado Plateau Soil composition composed of 30% clay, thick deposits of gravel and large rocks were laid down as alluvial fans by streams entering the basin from the surrounding highlands offering moderate soil nutrients, moderate organic material and fair drainage.

Soil Analysis:

pH: High 8.2
Calcium: Very High
Magnesium: Very High
Sodium: Medium
Potassium: Very High
Nitrate: Low
Phosphate: Medium
Free Lime: High

SOIL TYPE

Soil Description: Formed by the erosion of time by the Great Colorado Plateau Soil composition composed of 20% clay, thick deposits of gravel and large rocks were laid down as alluvial fans by streams entering the basin from the surrounding highlands offering medium soil nutrients, moderate organic material and good drainage.

Soil Analysis:

pH: Medium 7.9
Calcium: High
Magnesium: Very High
Sodium: Low
Potassium: Very High
Nitrate: Medium
Phosphate: High
Free Lime: Low

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YAVAPAI COLLEGE

THE YAVAPAI COLLEGE'S VINEYARD IS HOME TO 12 VARIETIES AND A TOTAL OF 11,852 VINES

Year Planted	Varietal	Rootstock	Acres	Vines	Misses	Average Tons	Average #/vine	2019 Harvest (tons)	2020 Harvest (tons)	2021 Harvest (tons)	**2022 Harvest (tons)**
2012	Tempranillo	1103P	0.9	739	15	4.04	12.34	3.05	3.52	5.04	4.56
	Sangiovese	1103P	1	838	25	3.42	8.69	2.51	2.62	4.92	3.64
	Viognier	110R	1.1	1076	25	2.95	5.13	2.67	3.02	3.36	2.76
2013	Cabernet Sauvignon	110R	1.1	1077	23	1.80	4.25	1.23	1.00	2.68	2.29
	Malvasia Bianca	1103P	1.75	1495	37	4.80	8.79	2.95	3.78	5.92	6.57
2014	Barbera	1103P & 110R	1	893	82	2.86	7.61	1.17	2.55	4.33	3.40
	Refosco	1103P	1.1	1054	17	4.16	8.73	2.95	3.39	5.71	4.60
	Aglianico	1103P	1	956	43	2.44	6.07	1.16	1.96	3.74	2.90
2015	Grenache	1103P	1	963	9	3.56	8.31	3.22	2.92	4.10	4.00
	Carignan	1103P	1	910	62	4.12	12.29	2.95	3.51	4.44	5.59
2016	Tannat	1103P	1	904	14	3.29	11.59	1.38	2.54	3.99	5.24
2017	Piquepoul Blanc	1103P	1	947	3	3.11	10.12	0.60	2.48	4.57	4.79
Total			12.95	11,852	355	3.38	8.66	25.83	33.27	52.79	**50.34**

ROOTSTOCKS:

110R (Richter) – Vitis Parentage, *berlandieri and rupestris*; Phylloxera Resistance – *high*; Nematode Resistance – *low-medium*; Drought Tolerance – *high*; Wet Soil Tolerance – *low-medium*; Salinity Tolerance – *medium*; Lime Tolerance – *medium*; Influence on Scion: Vigor – *medium*; Mineral Nutrition – N: *medium*, P: *high*, K: *low-medium*, Mg, Zn: *medium*; Soil Adaptation – *hillside soils and acid soils*; Ease of Propagation – *low-medium*; Other Characteristics – *develops slowly in wet soils*

1103P (Paulsen) – Vitis Parentage, *berlandieri and rupestris*; Phylloxera Resistance – *high*; Nematode Resistance – *low-medium*; Drought Tolerance – medium-*high*; Wet Soil Tolerance – *medium-high*; Salinity Tolerance – *medium*; Lime Tolerance – *medium*; Influence on Scion: Vigor – *medium-high*; Mineral Nutrition – N: *medium-high*, P, Mg: *high*, K, Zn: low-*medium*; Soil Adaptation – *adapted to drought and saline soils*; Ease of Propagation – *medium*; Other Characteristics – *does poorly in non-irrigated, low K soils*