

2022 Ohio Grape Pricing and Production Index

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The Ohio wine and grape industry has continued growing, increasing by 22% [between 2016 and 2022](#). As the wine industry continues growing, grape supply must concurrently rise in order to meet winery demands. A major challenge towards achieving this goal is ensuring profitability for wine grape production. As a commodity, grapes have high start-up costs, several years from planting until productive bearing, annual vineyard labor and supply costs, and high risks of crop loss that limit profitability. Therefore, grape prices should also reflect costs and associated risks of production.

Between 15 May 2023 and 23 June 2023, an online Qualtrics survey was distributed to grape producers across Ohio. In this survey, growers were asked about their 2022 planted and bearing wine grape acreage, yield (tons), cost (\$ per ton or gallon), if wine grapes were directly sold or processed and sold, and plans for increasing acreage in 2024. The survey results below aim to provide an overview of grape production and pricing for the 2022 season and continue tracking multi-year grape production and pricing trends.

Survey Response Summary Forty-five participants (n = 45) responded to the 2022 survey, an increase from the 2021 (n = 34) and 2020 (n = 37) surveys. The participants represented vineyards (44.4%) and A2/A2F permitted wine manufactures with vineyards (56.6%). Respondents reported individual vineyard sizes between 1 to 5 and 21-30 planted acres. Vineyard acreage was recorded for 30 Ohio counties (Fig. 1).

Production, Yield, and Pricing

Production (acreage): The sum of total vineyard acreage reported by n = 45 participants was between the range of 102 acres and 275 acres, with an average individual vineyard size of 4.5 acres. Seven vineyards reported a size greater than 6-10 acres and 3 greater than 11-15. The majority of respondents reported vineyard sizes between 1-5 acres (n = 38). Bearing acreage accounted for 97.3% of the total reported planted acreage. One participant (n = 1) did not report additional information related to bearing acreage. In total, 42 different wine grape cultivars and 1 table grape

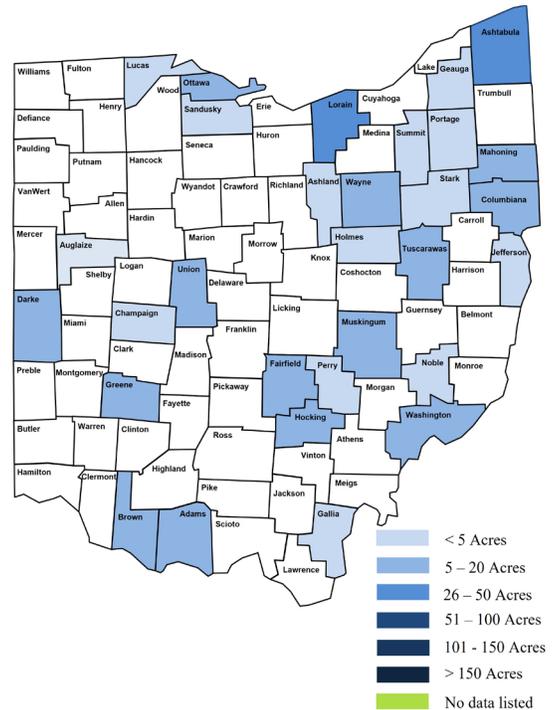


Fig 1. Distribution of reported grape acreage among 25 Ohio counties.

cultivar were reported across 117.8 planted vineyard acres (Fig. 2, Table 1). The wine grape cultivars represented 'native' (*V. labrusca*), interspecific hybrid ('hybrid'), and *V. vinifera* ('vinifera') species. Hybrid grapes comprised the majority of the total acreage (51.3%), followed by vinifera (34.1%), and natives (14.5%; Fig. 2). This continues a multi-year trend of declining native grape acreage across 5 years of surveys.

Yield (tons): Participants reported yield for 43 total grape cultivars (Fig. 2, Table 1). Total reported yield for 2022 was 171.9 tons, a 22.6% decrease in reported yield from the 2021 season. Of the total yield, 50.5 tons were sold (23.7%). It was assumed that the remaining yield (121.4 tons) was used for estate wine making purposes. The highest percentage of yield-bearing cultivars were hybrid grapes (63.8%), followed by vinifera (22.5%), and natives (13.7%).

Pricing (\$ per ton): Price data was reported for 22 cultivars. The average price per ton was generally lowest for native cultivars and highest for vinifera cultivars (Table 1).

The average price per ton ranged between \$425 and \$2500 per ton (Table 1). The average price per ton was \$1062.5, \$1, and \$1377.83, and \$2221.17 for native, hybrid, and vinifera grapes, respectively. Data was reported for sales of juice or bulk wine for 7 cultivars for 2022 (Table 1).

2023 acreage expansion: 11.1% of respondents (n = 5) indicated that they plan to expand planted acreage in the coming year. Intended plantings primarily represented newer released hybrid and vinifera cultivars from disease resistance and cold hardy breeding programs.

Summary The number of respondents and diversity of counties represented increased in 2022 (n = 45, counties = 30). While the participation rate increased, the average vineyard sizes were smaller overall, partially contributing to the decrease in total reported acreage and yield. Another likely contributing factor to lower reported yields was widespread cold injury during the 2021-2022 winter, which heavily impacted production in northeastern Ohio vineyards where many of the largest vineyards are located. Overall, grape values in 2022 were higher than in previous years.

The 2022 pricing and production survey represents approximately 9.6% of the total grape acreage (1222

acres) reported in the 2022 OSU/OGIC grape census survey. The subset of reported acreage has remained consistent since annual surveying began in 2018.

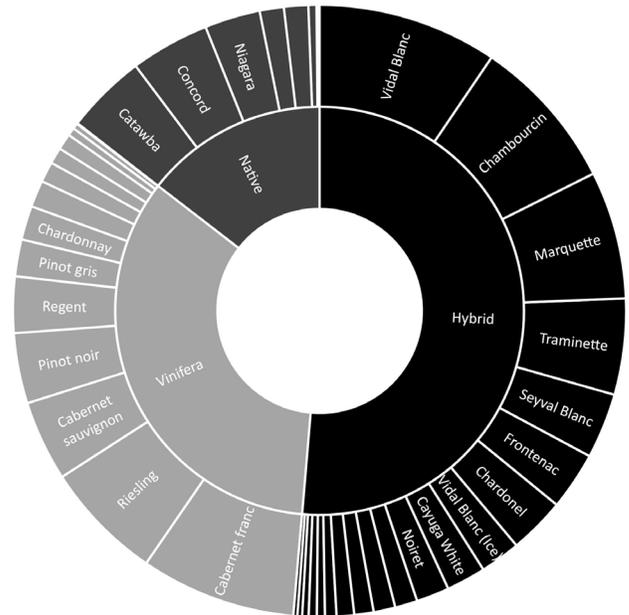


Fig 2. Proportion of total planted acreage of production by classification (Vinifera, Hybrid, Native; inner circle) and proportion of total planted acreage by cultivar (outer circle).

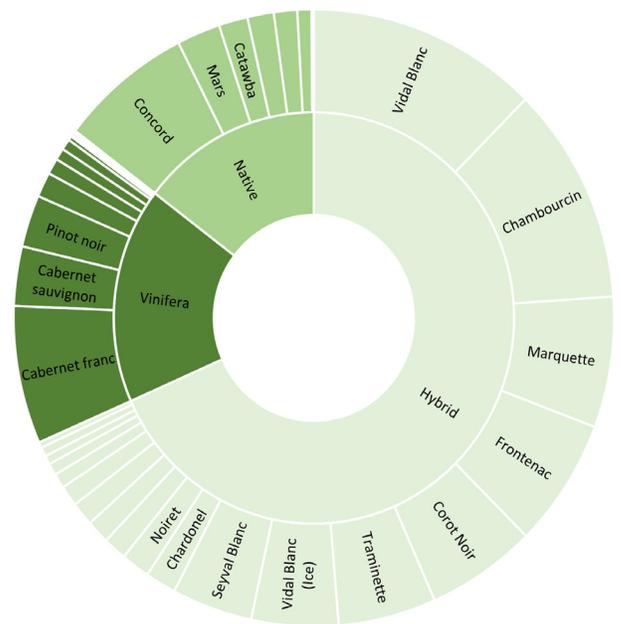


Fig 3. Proportion of total yield (tons) by classification (Vinifera, Hybrid, Native; inner circle) and proportion of total yield by cultivar (outer circle).

Species group	Cultivar	Planted acres	Yield harvested (tons)	Yield sold (tons)	Average price per ton (USD)	Average price per gallon (juice; USD)	Average price per gallon (bulk wine; USD)
Native	Catawba	5	2.5				
	Concord	4.9	11.5	4	425		
	Delaware	1.5	2	0.75		9	
	Mars	0.1	0.2				
	Niagara	3.45	3.75				8
	Norton (Cynthiana)	1.25	2.48		1700		
	Steuben	3	4.25				
	Van Buren	0.1					
Hybrid	Aromella	0.25					
	Cayuga white	2.45	1.25				
	Chambourcin	9.55	18.35	11.6	1120		10
	Chancellor	0.5	2		1700		
	Chardonel	3.5	2.66		1700		
	Corot noir	1.33	0.5				11
	Frontenac	3.6	10.84	1.99	1400		
	Frontenac gris	1.1	1.75				
	Itasca	1.2	0.75				
	GR7	0.3	2				
	La Crescent	0.4	1				
	Marquette	7.95	11	4	1075		
	Noiret	2.05	2.5		1700		
	Petite Pearl	1.4	0.5				
	Prairie Star	0.7	0.75				9
	Seyval blanc	4.05	7	5.8	875		10
	Traminette	5.97	8.45	1.8	1433.33		12
	Vidal blanc	11.15	20	6.7	1175		
Vidal blanc (Ice)	2.5	7.5	7.5		40		
Vincent	0.5	2		1600			
Vinifera	Cabernet Franc	9.68	11.59	0.13	2286.67		
	Cabernet Sauvignon	5.01	8		2500		
	Chardonnay	2.11	1.35		2150		
	Chasselas	0.5	0.9	0.9	1500		
	Dornfelder	0.35					
	Gewurtztraminer	1.66	0.2		2150		
	Gruner Veltliner	1	0.2		2150		
	Merlot	1.27	0.2				
	Pinot gris	2.29	1.33		2150		
	Pinot noir	4.37	4.36		2500		
	Regent	3.5	1				
	Riesling	7.42	11.1	3	2325		
	Saperavi	1.01	0.3		2500		
	Sauvignon blanc	0.05	0.25				
	Semillon	0.3					