

WINE GRAPES, Kentucky, 2016
French-American Hybrid and American Varieties

Soil Buildup Year Summary (Year 0)



University of Kentucky
 College of Agriculture,
 Food and Environment
 Cooperative Extension Service

Center for Crop Diversification Budget
 CCD-BG-8

	Quantity	Unit	\$/Unit	Total	Your Estimate
GROSS RETURNS					
VARIABLE COSTS					
PRODUCTION					
Soil Test	2	assays	\$ 10.00	\$ 20.00	<input type="text"/>
Lime	3	tons	\$ 20.00	\$ 60.00	<input type="text"/>
Herbicide	2	quarts	\$ 12.00	\$ 24.00	<input type="text"/>
Grass Seed	90	lbs	\$ 0.80	\$ 72.00	<input type="text"/>
Variable Machinery Costs	1	acre	\$ 33.20	\$ 33.20	<input type="text"/>
Interest on Operating Costs	9%		\$ 9.41	\$ 9.41	<input type="text"/>
TOTAL PRODUCTION COST				\$ 218.61	<input type="text"/>
RETURN ABOVE VARIABLE COSTS				\$ (218.61)	<input type="text"/>
FIXED COSTS					
Fixed Machinery & Equipment Costs	1	acre	\$ 41.26	\$ 41.26	<input type="text"/>
TOTAL FIXED COST				\$ 41.26	<input type="text"/>
TOTAL EXPENSES				\$ 259.87	<input type="text"/>
RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.				\$ (259.87)	<input type="text"/>
Operator and Unpaid Family Labor	1.82	hrs	\$ 15.00	\$ 27.30	<input type="text"/>
TOTAL OPERATOR AND UNPAID FAMILY LABOR				\$ 27.30	<input type="text"/>
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$ (287.17)	<input type="text"/>

WINE GRAPES, Kentucky 2016
French-American Hybrid and American Varieties
 Planting Year Summary (Year 1)

	Quantity	Unit	\$/Unit	Total	Your Estimate
GROSS RETURNS					
VARIABLE COSTS					
PRODUCTION					
Herbicide (Burndown)	1.5	quarts	\$ 12.00	\$ 18.00	
Herbicide	0.5	gallons	\$ 60.00	\$ 30.00	
Vines	545	vines	\$ 3.50	\$ 1,907.50	
Fertilizer	136.25	lbs	\$ 0.43	\$ 58.59	
Grow Tubes	545	tubes	\$ 1.25	\$ 681.25	
Bamboo Stakes	545	stakes	\$ 0.20	\$ 109.00	
Trellis Materials					
8' T-Post	252	posts	\$ 5.75	\$ 1,449.00	
6" End Posts	28	posts	\$ 28.00	\$ 784.00	
Wire	3	rolls	\$ 110.00	\$ 330.00	
Miscellaneous Trellis Materials	1	acre	\$ 428.00	\$ 428.00	
Hired Labor					
Planting	86.0	hours	\$ 10.00		
Build Trellis	60.0	hours	\$ 10.00		
TOTAL HIRED LABOR	146	hours	\$ 10.00	\$ 1,460.00	
Herbicides	3	quarts	\$ 12.00	\$ 36.00	
Fungicides	1	acre	\$ 195.40	\$ 195.40	
Insecticides	1	acre	\$ 104.00	\$ 104.00	
Irrigation	5	months	\$ 49.60	\$ 248.00	
Variable Machinery Costs	1	acre	\$ 100.10	\$ 100.10	
Interest	1	acre	\$ 198.47	\$ 198.47	
TOTAL PRODUCTION COST				\$ 8,137.31	
RETURN ABOVE VARIABLE COSTS				\$ (8,137.31)	
FIXED COSTS					
Fixed Machinery Costs	1	acre	\$ 104.01	\$ 104.01	
Fixed Costs on Irrigation System	1	year	\$ 258.00	\$ 258.00	
TOTAL FIXED COST				\$ 362.01	
TOTAL EXPENSES				\$ 8,499.32	
RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.				\$ (8,499.32)	
Operator and Unpaid Family Labor	42	hrs	\$ 15.00	\$ 637.35	
TOTAL OPERATOR AND UNPAID FAMILY LABOR				\$ 637.35	
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$ (9,136.67)	

WINE GRAPES, Kentucky 2016
French-American Hybrid and American Varieties
 Growth Year Summary (Year 2)

	Quantity	Unit	\$/Unit	Total	Your Estimate
GROSS RETURNS	2	Ton	\$ 850.00	\$ 1,700.00	<input type="text"/>
VARIABLE COSTS					
PRODUCTION					
Herbicide	1	acre	\$ 30.00	\$ 30.00	<input type="text"/>
Fertilizer	1	acre	\$ 120.00	\$ 120.00	<input type="text"/>
Plants (Replant 2% Original Planting)	12	plants	\$ 3.00	\$ 36.00	<input type="text"/>
Misc Shoot Management materials	1	acre	\$ 7.50	\$ 7.50	<input type="text"/>
Fungicides	1	acre	\$ 271.00	\$ 271.00	<input type="text"/>
Insecticides	1	acre	\$ 156.00	\$ 156.00	<input type="text"/>
Irrigation	5	months	\$ 49.60	\$ 248.00	<input type="text"/>
Variable Machinery Costs	1	acre	\$ 48.44	\$ 48.44	<input type="text"/>
Hired Labor	49	hours	\$ 10.00	\$ 490.00	<input type="text"/>
Interest	1	acre	\$ 35.17	\$ 35.17	<input type="text"/>
TOTAL PRODUCTION COST				\$ 1,442.11	<input type="text"/>
RETURN ABOVE VARIABLE COSTS				\$ 257.89	<input type="text"/>
HARVESTING AND MARKETING					
Harvest	34	hours	\$ 10.00	\$ 340.00	<input type="text"/>
Harvest Lugs	30	lugs	\$ 10.00	\$ 300.00	<input type="text"/>
Total Harvest and Marketing Cost				\$ 640.00	<input type="text"/>
FIXED COSTS					
Fixed Machinery & Equipment Costs	1	acre	\$ 72.16	\$ 72.16	<input type="text"/>
Fixed Costs on Irrigation System	1	year	\$ 258.00	\$ 258.00	<input type="text"/>
Pest Control	1	year	\$ 275.00	\$ 275.00	<input type="text"/>
TOTAL FIXED COST				\$ 605.16	<input type="text"/>
TOTAL EXPENSES				\$ 2,687.27	<input type="text"/>
RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.				\$ (987.27)	<input type="text"/>
Operator and Unpaid Family Labor	53.67	hrs	\$ 15.00	\$ 805.05	<input type="text"/>
TOTAL OPERATOR AND UNPAID FAMILY LABOR				\$ 805.05	<input type="text"/>
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$ (1,792.32)	<input type="text"/>

Totals vary slightly from budget details due to rounding of labor hours.

WINE GRAPES, Kentucky 2016
French-American Hybrid and American Varieties
 Second Fruiting Year Summary (Year 3)

	Quantity	Unit	\$/Unit	Total	Your Estimate
GROSS RETURNS					
Grapes	4.5	tons	\$ 850.00	\$ 3,825.00	<input type="text"/>
Total Gross Returns				\$ 3,825.00	<input type="text"/>
VARIABLE COSTS					
PRODUCTION					
Herbicide	1	acre	\$ 48.00	\$ 48.00	<input type="text"/>
Fertilizer	1	acre	\$ 71.85	\$ 71.85	<input type="text"/>
Tissue Analysis, Misc.	1	acre	\$ 30.00	\$ 30.00	<input type="text"/>
Fungicides	1	acre	\$ 450.95	\$ 450.95	<input type="text"/>
Insecticides	1	acre	\$ 362.00	\$ 362.00	<input type="text"/>
Hired Labor	112	hours	\$ 10.00	\$ 1,115.60	<input type="text"/>
Variable Machinery Costs	1	acre	\$ 65.33	\$ 65.33	<input type="text"/>
Interest on Preharvest Costs	6	months		\$ 53.59	<input type="text"/>
TOTAL PREHARVEST COST				\$ 2,197.32	<input type="text"/>
HARVESTING AND MARKETING					
Harvest	76.5	hours	\$ 10.00	\$ 765.00	<input type="text"/>
Harvest Lugs	30	lugs	\$ 10.00	\$ 300.00	<input type="text"/>
Total Harvest and Marketing Cost				\$ 1,065.00	<input type="text"/>
TOTAL VARIABLE COST				\$ 3,262.32	<input type="text"/>
RETURN ABOVE VARIABLE COSTS				\$ 562.68	<input type="text"/>
FIXED COSTS					
Fixed Machinery Costs	1	acre	\$ 101.66	\$ 101.66	<input type="text"/>
Pest Control	1	year	\$ 275.00	\$ 275.00	<input type="text"/>
TOTAL FIXED COST				\$ 376.66	<input type="text"/>
TOTAL EXPENSES				\$ 3,638.98	<input type="text"/>
RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.				\$ 186.02	<input type="text"/>
Operator and Unpaid Family Labor	73	hrs	\$ 15.00	\$ 1,094.85	<input type="text"/>
TOTAL OPERATOR AND UNPAID FAMILY LABOR				\$ 1,094.85	<input type="text"/>
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$ (908.83)	<input type="text"/>

Totals vary slightly from budget details due to rounding of labor hours.

WINE GRAPES, Kentucky 2016
French-American Hybrid and American Varieties
 First Full Production Summary (Year 4)

	Quantity	Unit	\$/Unit	Total	Your Estimate
GROSS RETURNS					
Grapes	6 tons		\$ 850.00	\$ 5,100.00	<input type="text"/>
Total Gross Returns				\$ 5,100.00	<input type="text"/>
VARIABLE COSTS					
PRODUCTION					
Herbicide	1 acre		\$ 60.75	\$ 60.75	<input type="text"/>
Fertilizer	1 acre		\$ 74.50	\$ 74.50	<input type="text"/>
Fungicides	1 acre		\$ 530.15	\$ 530.15	<input type="text"/>
Insecticides	1 acre		\$ 325.00	\$ 325.00	<input type="text"/>
Hired Labor	136 hours		\$ 10.00	\$ 1,356.70	<input type="text"/>
Variable Machinery Costs	1 acre		\$ 61.67	\$ 61.67	<input type="text"/>
Interest	6 months			\$ 60.22	<input type="text"/>
TOTAL PREHARVEST COST				\$ 2,468.99	<input type="text"/>
HARVESTING AND MARKETING					
Harvest	102 hours		\$ 10.00	\$ 1,020.00	<input type="text"/>
Harvest Lugs	30 lugs		\$ 10.00	\$ 300.00	<input type="text"/>
Total Harvest and Marketing Cost				\$ 1,320.00	<input type="text"/>
TOTAL VARIABLE COST				\$ 3,788.99	<input type="text"/>
RETURN ABOVE VARIABLE COSTS				\$ 1,311.01	<input type="text"/>
FIXED COSTS					
Fixed Machinery Costs	1 acre		\$ 99.16	\$ 99.16	<input type="text"/>
Pest Control	1 year		\$ 275.00	\$ 275.00	<input type="text"/>
TOTAL FIXED COST				\$ 374.16	<input type="text"/>
TOTAL EXPENSES				\$ 4,163.15	<input type="text"/>
RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.				\$ 936.85	<input type="text"/>
Operator and Unpaid Family Labor	52 hrs		\$ 15.00	\$ 777.75	<input type="text"/>
TOTAL OPERATOR AND UNPAID FAMILY LABOR				\$ 777.75	<input type="text"/>
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$ 159.10	<input type="text"/>

Totals vary slightly from budget details due to rounding of labor hours.

WINE GRAPES, Kentucky 2016

French-American Hybrid and American Varieties, Kentucky 2016

Full Production Summary (Year 5)

	Quantity	Unit	\$/Unit	Total	Your Estimate
GROSS RETURNS					
Grapes	6 tons		\$ 850.00	\$ 5,100.00	<input type="text"/>
Total Gross Returns				\$ 5,100.00	<input type="text"/>
VARIABLE COSTS					
PRODUCTION					
Herbicide	1 acre		\$ 60.75	\$ 60.75	<input type="text"/>
Tissue Analysis	1 acre		\$ 25.00	\$ 25.00	<input type="text"/>
Fertilizer	1 acre		\$ 74.50	\$ 74.50	<input type="text"/>
Fungicides	1 acre		\$ 530.15	\$ 530.15	<input type="text"/>
Insecticides	1 acre		\$ 325.00	\$ 325.00	<input type="text"/>
Total Hired Labor	136 hours		\$ 10.00	\$ 1,356.70	<input type="text"/>
Variable Machinery Costs	1 acre		\$ 63.14	\$ 63.14	<input type="text"/>
Interest on Preharvest Costs	6 months			\$ 60.88	<input type="text"/>
TOTAL PREHARVEST COST				\$ 2,496.12	<input type="text"/>
HARVESTING AND MARKETING					
Harvest	102 hours		\$ 10.00	\$ 1,020.00	<input type="text"/>
					<input type="text"/>
Total Harvest and Marketing Cost				\$ 1,020.00	<input type="text"/>
TOTAL VARIABLE COST				\$ 3,516.12	<input type="text"/>
RETURN ABOVE VARIABLE COSTS				\$ 1,583.88	<input type="text"/>
FIXED COSTS					
Fixed Machinery Costs	1 acre		\$ 102.16	\$ 102.16	<input type="text"/>
Pest Control	1 year		\$ 275.00	\$ 275.00	<input type="text"/>
TOTAL FIXED COST				\$ 377.16	<input type="text"/>
TOTAL EXPENSES				\$ 3,893.28	<input type="text"/>
RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.				\$ 1,206.72	<input type="text"/>
Operator and Unpaid Family Labor	52 hrs		\$ 15.00	\$ 783.15	<input type="text"/>
					<input type="text"/>
TOTAL OPERATOR AND UNPAID FAMILY LABOR				\$ 783.15	<input type="text"/>
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$ 423.57	<input type="text"/>

Totals vary slightly from budget details due to rounding of labor hours.