

**TABLE GRAPES, Kentucky, 2016**  
**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-7

	Quantity	Unit	\$/Unit	Total	Your Estimate
<b>GROSS RETURNS</b>					
<b>VARIABLE COSTS</b>					
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"/>
<b>TOTAL PRODUCTION COST</b>				\$ 218.61	<input type="text"/>
<b>RETURN ABOVE VARIABLE COSTS</b>				\$ (218.61)	<input type="text"/>
<b>FIXED COSTS</b>					
Fixed Machinery & Equipment Costs	1	acre	\$ 41.26	\$ 41.26	<input type="text"/>
<b>TOTAL FIXED COST</b>				\$ 41.26	<input type="text"/>
<b>TOTAL EXPENSES</b>				\$ 259.87	<input type="text"/>
<b>RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.</b>				\$ (259.87)	<input type="text"/>
Operator and Unpaid Family Labor	1.82	hrs	\$ 15.00	\$ 27.30	<input type="text"/>
<b>TOTAL OPERATOR AND UNPAID FAMILY LABOR</b>				\$ 27.30	<input type="text"/>
<b>RETURN TO LAND, CAPITAL, AND MANAGEMENT</b>				\$ (287.17)	<input type="text"/>

# TABLE GRAPES, Kentucky 2016

## Planting Year Summary (Year 1)

	Quantity	Unit	\$/Unit	Total	Your Estimate
<b>GROSS RETURNS</b>					
<b>VARIABLE COSTS</b>					
<b>PRODUCTION</b>					
Herbicide	1 acre		\$ 57.00	\$ 57.00	
Vines	545 vines		\$ 4.00	\$ 2,180.00	
Fertilizer	136.25 lbs		\$ 0.43	\$ 58.59	
<b>Trellis Materials</b>					
T-Posts	252 posts		\$ 5.75	\$ 1,449.00	
End Posts	28 posts		\$ 28.00	\$ 784.00	
Wire	3 rolls		\$ 110.00	\$ 330.00	
Miscellaneous Trellis Materials	1 acre		\$ 428.00	\$ 428.00	
<b>Hired Labor</b>					
Planting	86 hours		\$ 10.00		
Build Trellis	50 hours		\$ 10.00		
<b>TOTAL HIRED LABOR</b>	<b>136 hours</b>		<b>\$ 10.00</b>	<b>\$ 1,360.00</b>	
Fungicides	1.0 acre		\$ 195.40	\$ 195.40	
Insecticides	1 acre		\$ 104.00	\$ 104.00	
Irrigation	5 months		\$ 49.60	\$ 248.00	
Variable Machinery Costs	1 acre		\$ 93.50	\$ 93.50	
Interest	1 acre		\$ 182.19	\$ 182.19	
<b>TOTAL PRODUCTION COST</b>				<b>\$ 7,469.67</b>	
<b>RETURN ABOVE VARIABLE COSTS</b>				<b>\$ (7,469.67)</b>	
<b>FIXED COSTS</b>					
Fixed Machinery Costs	1 acre		\$ 95.51	\$ 95.51	
Fixed Costs on Irrigation System	1 year		\$ 258.00	\$ 258.00	
<b>TOTAL FIXED COST</b>				<b>\$ 353.51</b>	
<b>TOTAL EXPENSES</b>				<b>\$ 7,823.18</b>	
<b>RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.</b>				<b>\$ (7,823.18)</b>	
Operator and Unpaid Family Labor	42.36 hrs		\$ 15.00	\$ 635.40	
<b>TOTAL OPERATOR AND UNPAID FAMILY LABOR</b>				<b>\$ 635.40</b>	
<b>RETURN TO LAND, CAPITAL, AND MANAGEMENT</b>				<b>\$ (8,458.58)</b>	

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

# TABLE GRAPES, Kentucky 2016

## Growth Year Summary (Year 2)

	Quantity	Unit	\$/Unit	Total	Your Estimate
<b>GROSS RETURNS</b>				\$ -	<input type="text"/>
<b>VARIABLE COSTS</b>					
PRODUCTION					
Herbicide	1 acre		\$ 60.00	\$ 60.00	<input type="text"/>
Fertilizer	300 lbs		\$ 0.40	\$ 120.00	<input type="text"/>
Plants (Replant 2% Original Planting)	12 plants		\$ 4.00	\$ 48.00	<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		\$ 46.25	\$ 46.25	<input type="text"/>
Hired Labor	30 hours		\$ 10.00	\$ 300.00	<input type="text"/>
Interest	1 acre		\$ 31.23	\$ 31.23	<input type="text"/>
<b>TOTAL PRODUCTION COST</b>				\$ 1,280.48	<input type="text"/>
<b>RETURN ABOVE VARIABLE COSTS</b>				\$ (1,280.48)	<input type="text"/>
<b>FIXED COSTS</b>					
Fixed Machinery & Equipment Costs	1 acre		\$ 72.66	\$ 72.66	<input type="text"/>
Fixed Costs on Irrigation System	1 year		\$ 258.00	\$ 258.00	<input type="text"/>
<b>TOTAL FIXED COST</b>				\$ 330.66	<input type="text"/>
<b>TOTAL EXPENSES</b>				\$ 1,611.14	<input type="text"/>
<b>RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.</b>				\$ (1,611.14)	<input type="text"/>
<b>Operator and Unpaid Family Labor</b>					
Operator and Unpaid Family Labor	50.22 hrs		\$ 15.00	\$ 753.30	<input type="text"/>
<b>TOTAL OPERATOR AND UNPAID FAMILY LABOR</b>				\$ 753.30	<input type="text"/>
<b>RETURN TO LAND, CAPITAL, AND MANAGEMENT</b>				\$ (2,364.44)	<input type="text"/>

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

**Table GRAPES, Kentucky 2016**  
**First Fruiting Year Summary (Year 3)**

	Quantity	Unit	\$/Unit	Total	Your Estimate
<b>GROSS RETURNS</b>					
Grapes--Retail	1875	pounds	\$ 1.25	\$ 2,343.75	
Grapes--Wholesale	625	pounds	\$ 0.85	\$ 531.25	
<b>Total Gross Returns</b>				<b>\$ 2,875.00</b>	
<b>VARIABLE COSTS</b>					
<b>PRODUCTION</b>					
Herbicide	1	acre	\$ 54.00	\$ 54.00	
Fertilizer	1	acre	\$ 71.85	\$ 71.85	
Fungicides	1	acre	\$ 450.95	\$ 450.95	
Insecticides	1	acre	\$ 362.00	\$ 362.00	
Hired Labor	111	hours	\$ 10.00	\$ 1,108.90	
Irrigation Cost	1	acre	\$ 248.00	\$ 248.00	
Variable Machinery Costs	1	acre	\$ 49.94	\$ 49.94	
Interest on Preharvest Costs	6	months		\$ 58.64	
<b>TOTAL PREHARVEST COST</b>				<b>\$ 2,404.28</b>	
<b>HARVESTING AND MARKETING</b>					
Harvest, Sort and Pack	37.5	hours	\$ 10.00	\$ 375.00	
Lugs for Picking and Wholesale	50	lugs	\$ 10.00	\$ 500.00	
Refrigeration Variable Costs	30	days	\$ 1.22	\$ 36.60	
Clamshells for Retail	1875	clamshells	\$ 0.15	\$ 281.25	
<b>Total Harvest and Marketing Cost</b>				<b>\$ 1,192.85</b>	
<b>TOTAL VARIABLE COST</b>				<b>\$ 3,597.13</b>	
<b>RETURN ABOVE VARIABLE COSTS</b>				<b>\$ (722.13)</b>	
<b>FIXED COSTS</b>					
Fixed Machinery Costs	1	acre	\$ 188.36	\$ 188.36	
Pest Control	1	year	\$ 275.00	\$ 275.00	
Fixed Costs of Refrigeration System	1	year	\$ 550.00	\$ 550.00	
<b>TOTAL FIXED COST</b>				<b>\$ 1,013.36</b>	
<b>TOTAL EXPENSES</b>				<b>\$ 4,610.49</b>	
<b>RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.</b>				<b>\$ (1,735.49)</b>	
Operator and Unpaid Family Labor	52.24	hrs	\$ 15.00	\$ 783.60	
<b>TOTAL OPERATOR AND UNPAID FAMILY LABOR</b>				<b>\$ 783.60</b>	
<b>RETURN TO LAND, CAPITAL, AND MANAGEMENT</b>				<b>\$ (2,519.09)</b>	

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

# Table GRAPES, Kentucky 2016

## Full Fruiting Year Summary

	Quantity	Unit	\$/Unit	Total	Your Estimate
<b>GROSS RETURNS</b>					
Grapes--Retail	6000	pounds	\$ 1.25	\$ 7,500.00	
Grapes--Wholesale	2000	pounds	\$ 0.85	\$ 1,700.00	
<b>Total Gross Returns</b>				<b>\$ 9,200.00</b>	
<b>VARIABLE COSTS</b>					
<b>PRODUCTION</b>					
Herbicide	1	acre	\$ 60.75	\$ 60.75	
Tissue Analysis	1	acre	\$ 25.00	\$ 25.00	
Fertilizer	1	acre	\$ 76.15	\$ 76.15	
<i>Fungicides</i>	1	acre	\$ 530.15	\$ 530.15	
Insecticides	1	acre	\$ 325.00	\$ 325.00	
Hired Labor	110	hours	\$ 10.00	\$ 1,100.00	
Irrigation Cost	1	acre	\$ 248.00	\$ 248.00	
Variable Machinery Costs	1	acre	\$ 52.88	\$ 52.88	
Interest on Preharvest Costs	6	months		\$ 60.45	
<b>TOTAL PREHARVEST COST</b>				<b>\$ 2,478.38</b>	
<b>HARVESTING AND MARKETING</b>					
Harvest, Sort and Pack	120	hours	\$ 10.00	\$ 1,200.00	
Lugs for Picking and Wholesale	40	lugs	\$ 10.00	\$ 400.00	
Refrigeration Variable Costs	30	days	\$ 1.22	\$ 36.60	
Clamshells for Retail	6000	clamshells	\$ 0.15	\$ 900.00	
<b>Total Harvest and Marketing Cost</b>				<b>\$ 2,536.60</b>	
<b>TOTAL VARIABLE COST</b>				<b>\$ 5,014.98</b>	
<b>RETURN ABOVE VARIABLE COSTS</b>				<b>\$ 4,185.02</b>	
<b>FIXED COSTS</b>					
Fixed Machinery Costs	1	acre	\$ 188.36	\$ 188.36	
Pest Control	1	year	\$ 275.00	\$ 275.00	
Fixed Costs of Refrigeration System	1	year	\$ 550.00	\$ 550.00	
<b>TOTAL FIXED COST</b>				<b>\$ 1,013.36</b>	
<b>TOTAL EXPENSES</b>				<b>\$ 6,028.34</b>	
<b>RETURN TO OPERATOR LABOR, LAND, CAPITAL, AND MGT.</b>				<b>\$ 3,171.66</b>	
Operator and Unpaid Family Labor	25.85	hrs	\$ 15.00	\$ 387.75	
<b>TOTAL OPERATOR AND UNPAID FAMILY LABOR</b>				<b>\$ 387.75</b>	
<b>RETURN TO LAND, CAPITAL, AND MANAGEMENT</b>				<b>\$ 2,783.91</b>	

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