



2003 GRAPE PRODUCTION BUDGET
Establishment - Year 1 ¹
Table Grapes - 1 Acre

ITEM	EXPLANATION	PRICE PER UNIT	YOUR BUDGET
VARIABLE COSTS			
Fertilizer ²		\$50	\$50
Lime ²	0 tons	15 /ton	0
Pesticides ³		275	275
Vines ⁴	545 plants	3 /plant	1635
Machinery Costs ⁵			681
Miscellaneous ⁶			75
Int. on Oper. Cap. ⁷	6 mo.	9.0%	122
TOTAL VARIABLE COSTS	-Per Acre		2839
FIXED COSTS			
Operator Labor Charge ⁸	195 hours	10.00 /hr	1950
Trellis ⁹			2624
Pickup Truck ⁹	25000	20%	1250
Land Charge	Rent		100
Liability Insurance			50
Management Charge ¹⁰			100
TOTAL FIXED COSTS			6074
TOTAL COSTS	-Per Acre		8913

- ¹ Establishment year requires planting the vines and setting up a trellis.
- ² Fertilizer and lime should always be applied according to soil tests. Consult OSUE Bulletin 815 "Grapes: Production, Management, and Marketing" for further information.
- ³ Consult OSUE Bulletin 506B2 "Ohio Commercial Small Fruit and Grape Spray Guide" for specific pesticide recommendations.
- ⁴ Costs of vines will vary with variety and supplier. Price listed is for own-rooted vines.
- ⁵ Machinery expense costs are based on custom rates:

	Number of Times	Cost Per Acre	Total
Spraying	10	\$7	70
Mowing	5	\$11	55
Fertilizer appl.	5	\$2	10
Dig Post Holes	224	\$2.35	526
Hauling	1	\$20	20
			<u>681</u>

- ⁶ Miscellaneous costs include soil tests, small tools, supplies, etc...
- ⁷ Interest on operating costs is calculated at 9% interest for 6 months.
- ⁸ Operator labor is the labor that the owner/operator invests into the vineyard. A summary of typical labor operations are listed below:

- Mark vine and post locations
- Auger vine holes
- Plant vines
- Distribute and drive line posts
- Auger and set end posts
- Mark and drill posts for wires
- Install end post anchors
- String wire, staple to posts, and tighten
- Herbicide application
- Mowing
- Hoeing/Weeding
- Fertilizer application
- Set stakes for trunk support
- Cluster removal
- Insect and disease control spraying

- ⁹ Trellis based on bilateral cordon system with 10' rows and 8' spacing of vines, costs will vary with different types of trellis system. Consult OSUE Bulletin 815 "Grapes: Production, Management, and Marketing" for a discussion on trellis systems. Specific costs associated with trellis listed below:

End Posts	46 @ \$25.87/post	
Line Posts	178 @ \$6.20/post	
High Tensile Wire	3 rolls @ \$66.10/roll	12,000 ft total
Ground Anchors	46 @ \$5.05/anchor	
In-line ratchets	46 @ \$2.67/ratchet	
In-line springs	46 @ \$4.93/spring	

- ¹⁰ Management charge is an opportunity cost for the operator's management skills. This is a charge above and beyond labor.