

Production Cost Figures Needed

Having the following production costs on-hand prior to beginning the calculators will enable you to move quickly through the calculators to arrive at your Cost-Of-Production summary.

If you do not know your actual costs, the calculators have pre-set default costs derived from industry averages that you may use.

Capital, Production and Vineyard Spacing Information

Capital

- Capital borrowed to establish the vineyard (%)
- Interest rate on borrowed capital
- Investment interest rate (opportunity cost)
- Number of months of borrowed capital (Operating)
- Operating interest rate (%)
- Amount of annual borrowed capital (%)

Production

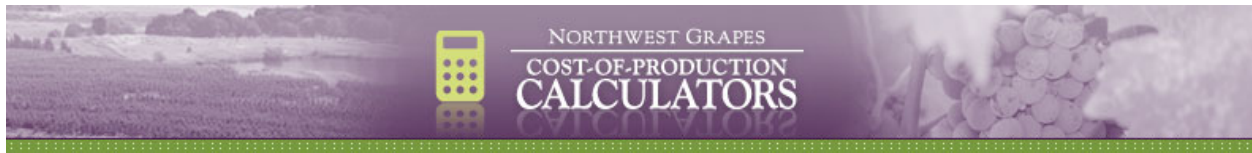
- Estimated yield in year 2 (tons)
- Estimated yield in year 3 (tons)
- Estimated yield in year 4 (tons)
- Expected price per ton (\$)

Vineyard Spacing

- Between Row Spacing (feet)
- Between Vine Spacing (feet)
- Average Row Length (feet)

Materials Prices - Input Prices, Custom Rates and Equipment Prices

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| <ul style="list-style-type: none"> • Labor <ul style="list-style-type: none"> Labor- Manual Labor- Tractor • Fuels <ul style="list-style-type: none"> Gasoline Diesel Propane • Fertilizers/Chemicals <ul style="list-style-type: none"> Blood meal- granular (13-0 0) Supreme oil Compost tea Sonata Aza-direct • Trellis Materials <ul style="list-style-type: none"> Wood stakes (markers) Plastic ribbon Staples 2" #9 Wire soft #11 Wire HT #12.5 Wire HT Crimping tool Wire clips Bamboo stake 4' (training) Unspaded stake 8' (metal) Line post 3-4" x 8' (wood) End Post 5-6" x 8' (wood) 6" helix w/ 3/4" x 48" shank Grow tubes | <ul style="list-style-type: none"> • Other <ul style="list-style-type: none"> Crested Wheat Grass Nursery Stock • Services <ul style="list-style-type: none"> Overhead Irrigation Water Charge Irrigation Energy Charge Custom Pruning Custom Harvest Custom Haul • Real estate taxes (years 1-3) • Real estate taxes (years4+) • Equipment <ul style="list-style-type: none"> 60 HP Tractor 100 Gal Sprayer 400 Gal Sprayer Mower Disc Cultivator Post Driver Post Auger Mechanical Pruner Wind Machine Trailer 4-Wheel Cycle 3/4 Ton Picku |
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Labor, Machinery, Materials and Service Costs For:

- Land Preparation (rip, plow, etc.)
- Soil test
- Survey and mark
- Drip irrigation system
- Plant nursery stock
- Spread posts and anchors
- Install line posts
- Install end posts
- Install anchors
- String wire
- Install grow tubes
- Remove grow tubes before winter
- Irrigation April-October
- Nitrogen
- Surflan AS
- Gramoxone
- Pickup and ATV
- Disc
- Plant cover crop (fall)
- Tractor, Equipment and Vehicle repairs
- Overhead
- Operating Interest (6 months)

About the Northwest Grapes Cost-Of-Production Calculators

The Northwest Grapes Cost-Of-Production Calculators is an online resource for Washington, Oregon and Idaho wine and juice grape growers to automatically calculate the costs of producing grapes. The calculators include versions for wine and juice grapes, and conventional and organic growing practices. Each calculator includes production years from Year 1, Year 2, Year 3 and Years 4+.



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For more information about Washington Association of Wine Grape Growers, visit www.wawgg.org or call 1-877-88WAWGG or email info@wawgg.org. To learn more about the calculators, visit www.nwgrapecalculators.org.