

Starting a Home Vineyard



woods wine

Backyard Vineyard Consulting

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Effort vs. Reward

- If you like gardening, you'll love a vineyard
- Why can tomatoes when you can bottle wine?
- As few as a dozen vines can produce a bottle of wine for every weekend of the year.



Outline

1. Site Selection
2. Vineyard Layout
3. Cultivar Selection
4. Trellis Selection
5. Cost Estimating
6. Woods Wine
7. Backyard Vineyard
Q&A

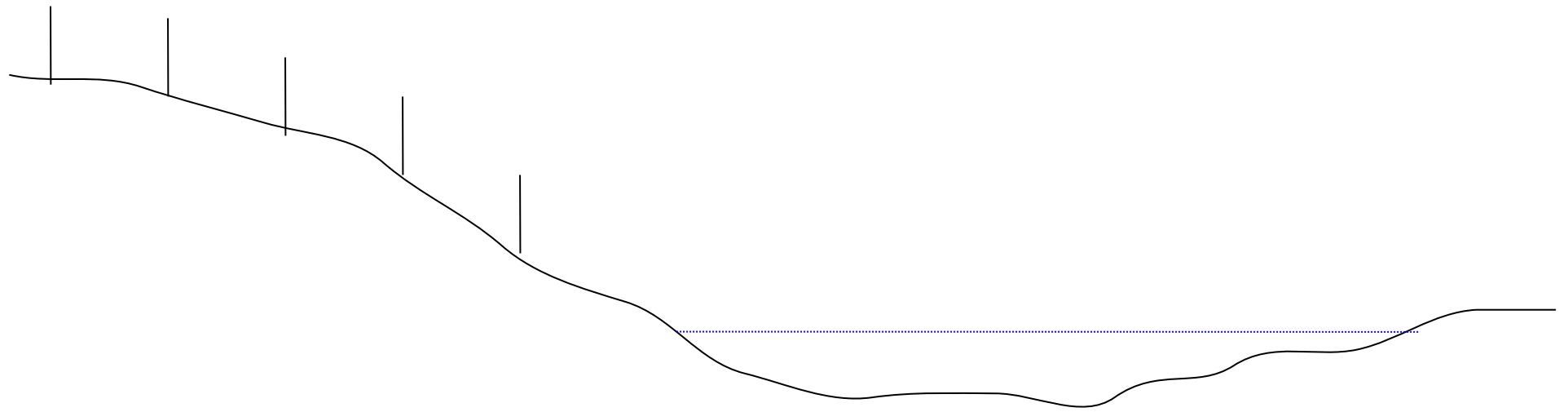
1. Site Selection

Site Selection

- 12 to 150 Vines
- Full Sun
- Avoid Low Area
- Water Available
- Need Room to Work All Around Every Row
- Think About Mower/Tractor Turning Radius

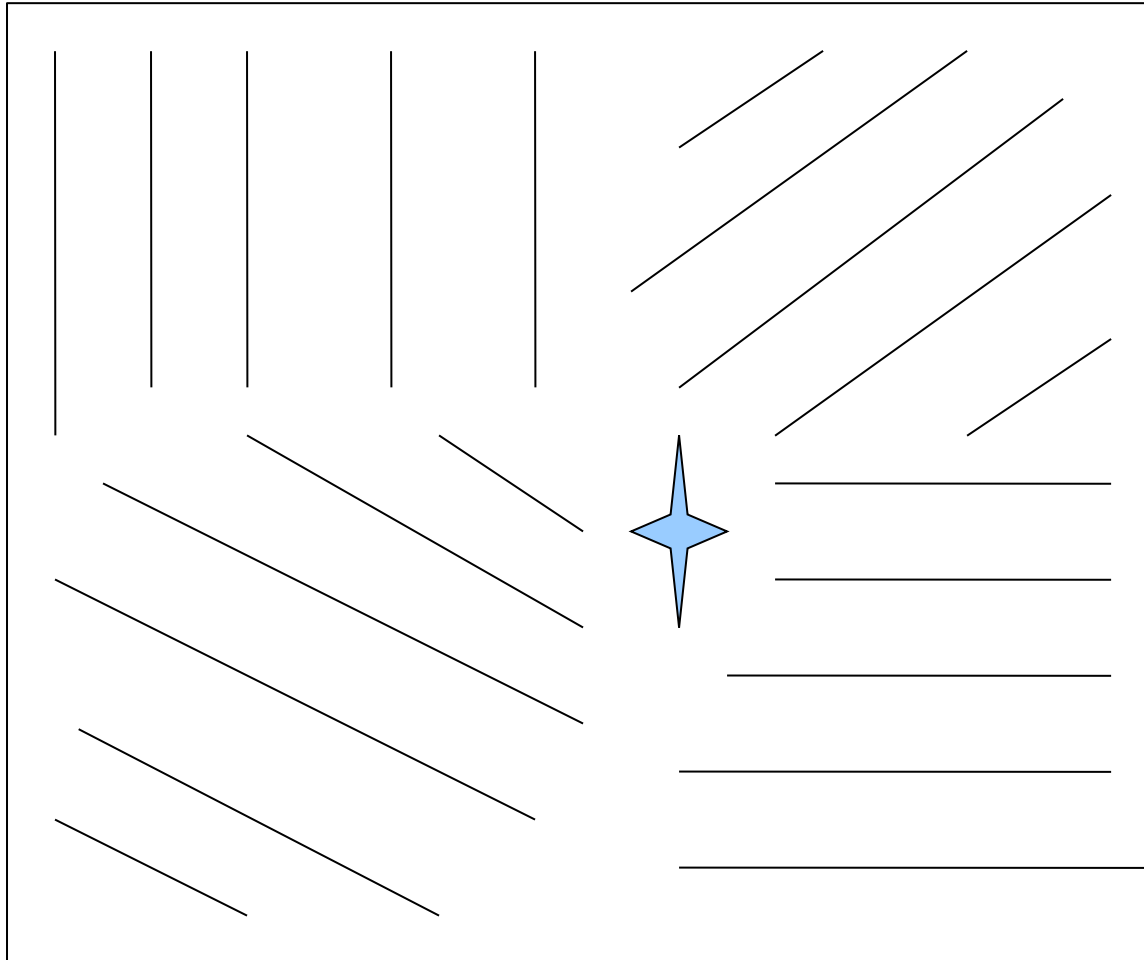


Cold Air & Frost Settle in Low Areas



2. Vineyard Layout

Row Orientation



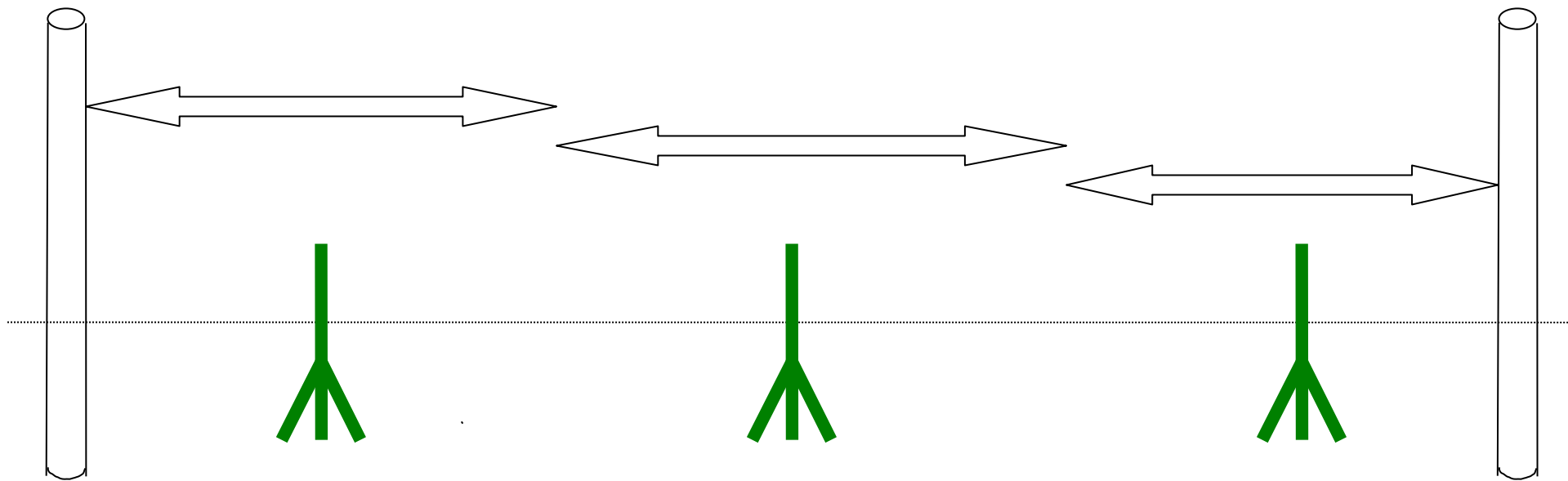
- Study done by Universita di Bologna, Italy, 1990 – 1993 see PWV Sept 1997 Issue
- Conclusion: Minimal Affect
- Wind a factor in drying
- Sun a factors in vigor
- VSP more sensitive, presumably due to flatness of canopy
- Curtain (bushy) not as sensitive

Vine Spacing

- Recommended space between vines is a function of vine vigor... the larger the annual expected growth of the vine, the farther apart they are planted.
- Typically 6 to 8 feet between vines

Vine Spacing

Between Line Posts

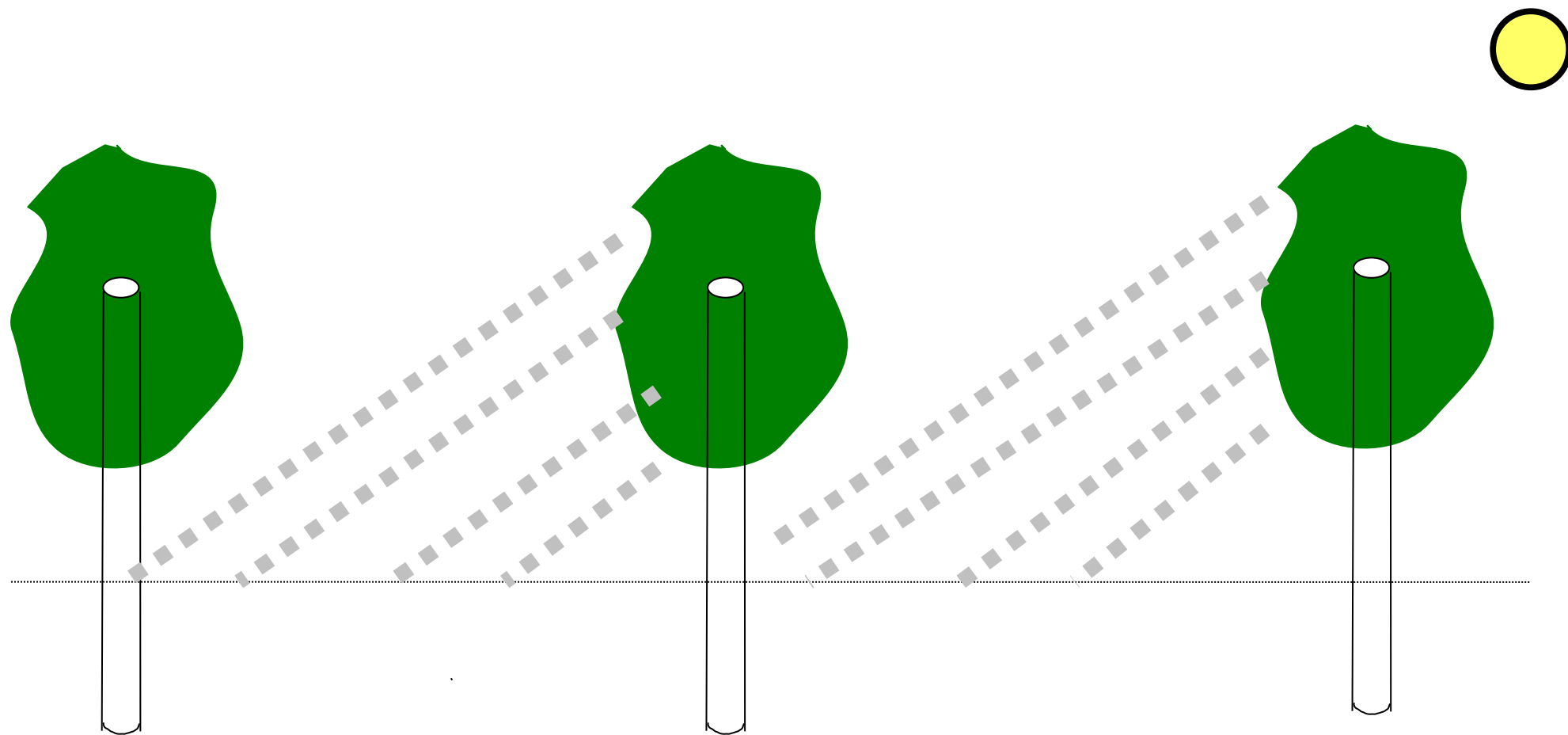


Row Spacing

- Recommended space between rows is a function of:
 - How tall and wide the trellis will be
 - How large the lawn tractor and sprayer will be
 - Allow enough space at end of rows to turn tractor around
 - Typically 8 – 10 feet between rows

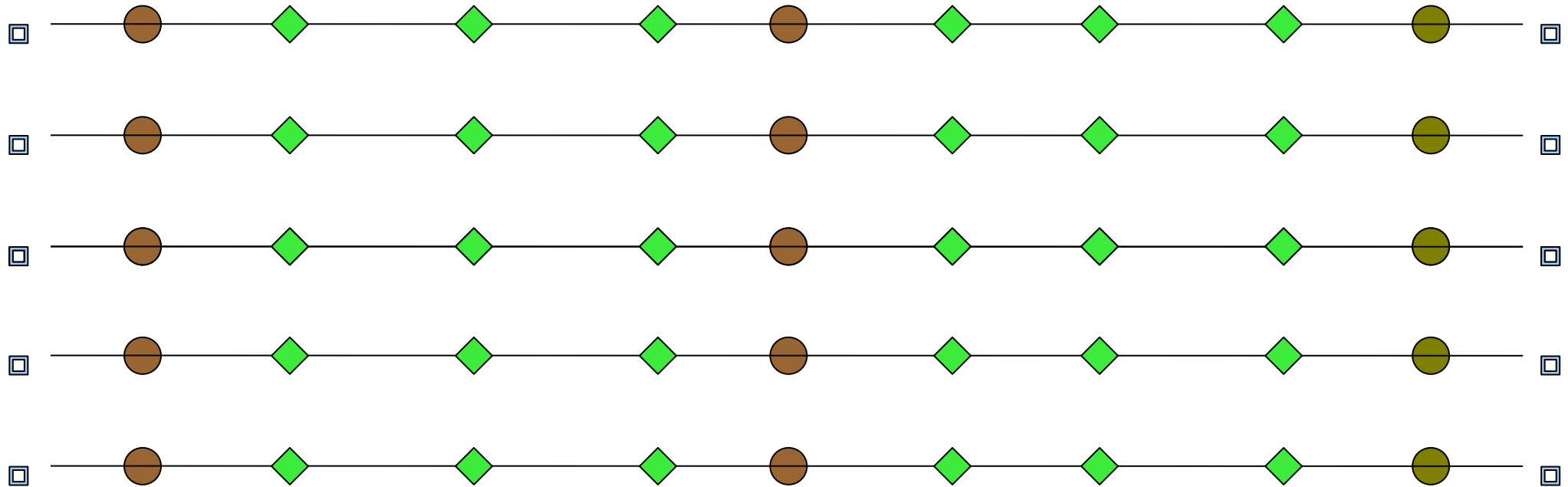
Row Spacing

Avoid Shade on Canopy



30 Vine Vineyard Layout

Earth Anchors, Posts, and Vines



3. Cultivar Selection

Cultivar Selection

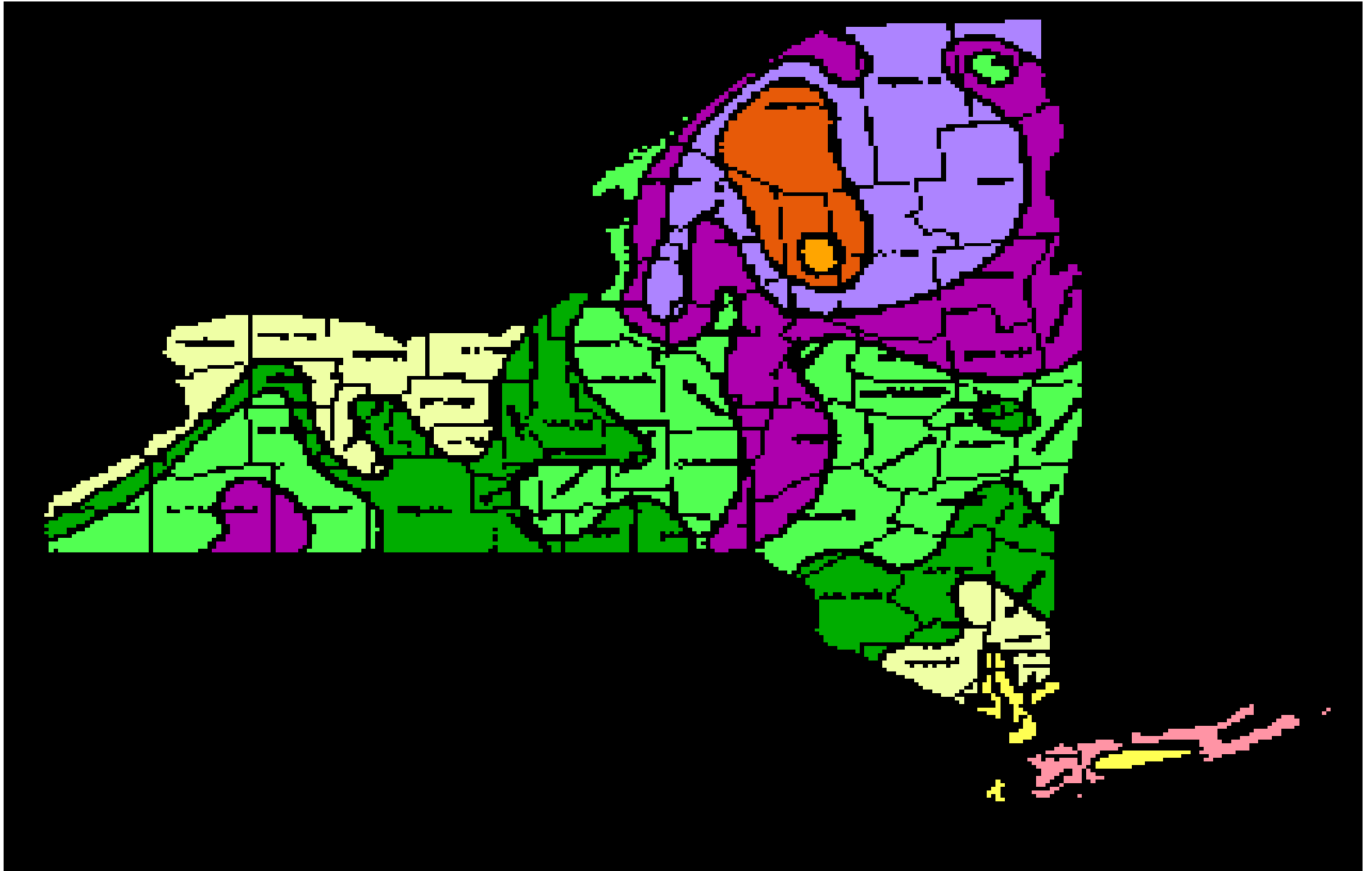
- Are there any vineyards nearby?
- What are they growing there?
- What is the cold heartiness zone for your zip code? Check:

<http://www.garden.org/zipzone/index.php>

Cultivar selection

- How many different cultivars?
- Red or White?
- Desired Taste?
- Grafted or Own Rooted?
- Cold Hardiness?
- Loose or Tight Clusters?
- Disease Resistance?
- Reputable Nursery?
- Recommended Vine Spacing?
- Recommended Trellis and Training Method?
- Early or Late Bud Burst, Harvest?
- Expected Yield?
- Vine Availability?

NEW YORK USDA Hardiness Zone Map



Double A Vineyard Catalog as a Resource

- rakgrape.com
- First determine vine candidate list by cold heartiness zone
- Cultivar Description can be used as a preliminary idea of the grape and wine characteristics
- Google the specific cultivar to research further

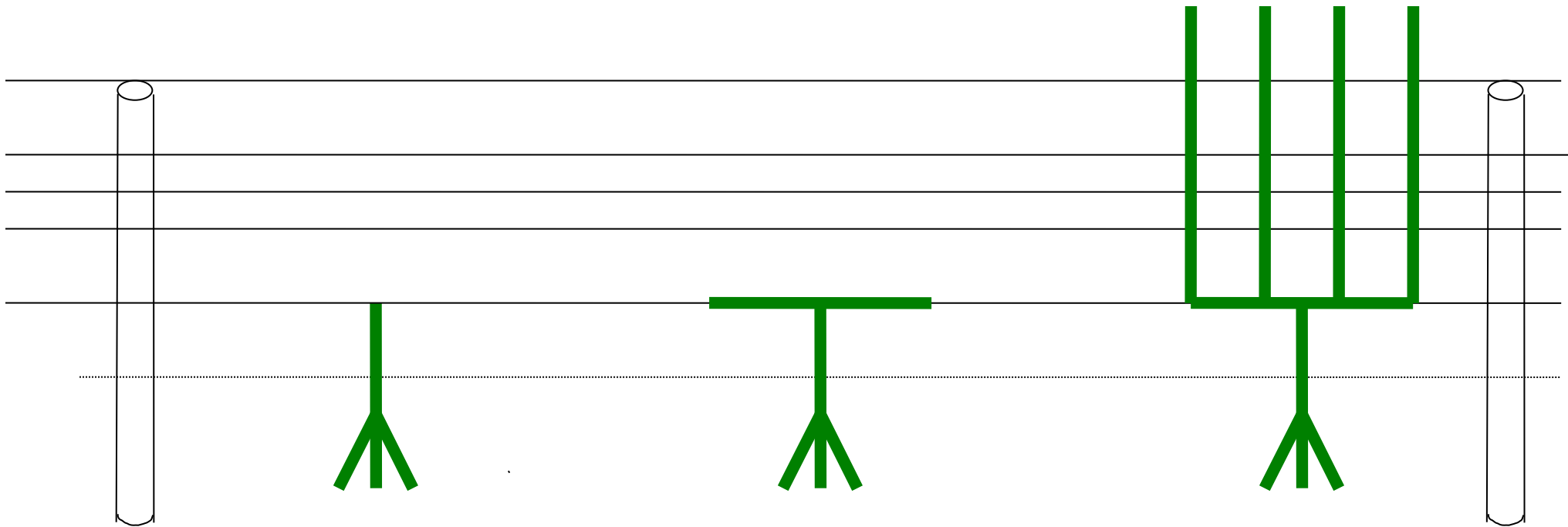
4. Trellis Selection

Trellis Style Selection

- GDC
- VSP
- Four Arm Kniffin
- Umbrella Kniffin
- Top Wire Cordon
- Mid Wire Cordon
- Bottom Wire Cordon

VSP Trellis

1 Cordon Wire
2 Catch Wire Pairs
Good for "Upright Vines"

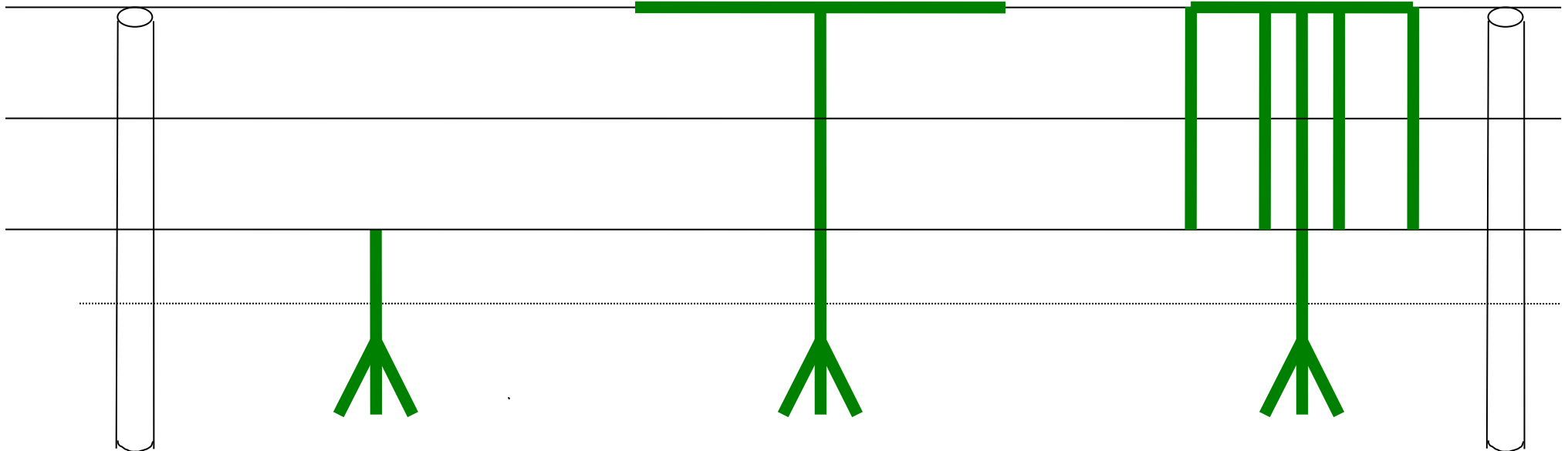


High Wire Cordon Trellis

One Cordon Wire

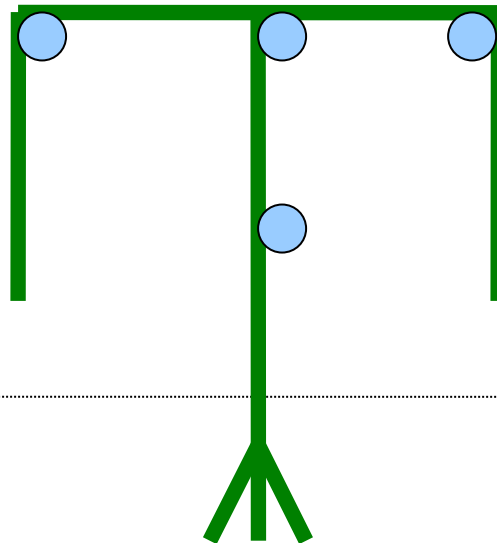
Optionally Tie Canes to Lower wire(s)

Good for "Trailing Vines"



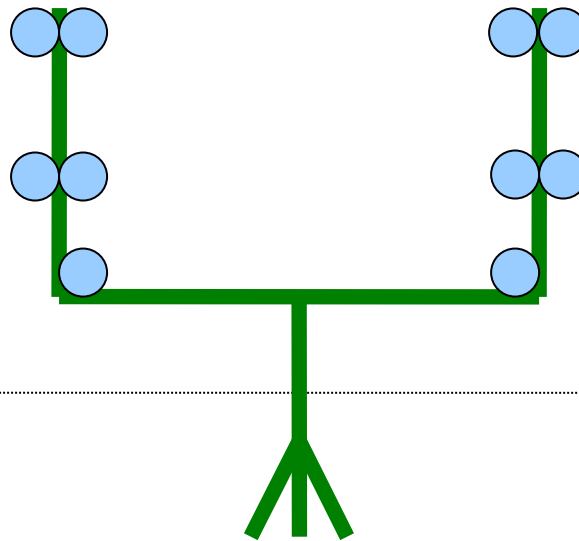
Divided Canopy Geneva Double Curtain Trellis

Two Cordon Wires
Optionally Tie Trunks to Lower Wire(s)
Good for “Trailing Vines”



Divided Canopy Lyre Trellis

Two Cordon Wires
Tuck Shoots in Catch Wire(s)
Good for “Upright Vines”



Post Hole Diggers



5. Cost Estimating

Vine Cost Elements

- Cost Per Vine
- Shipping
- Stakes
- Grow Tubes

Site Prep Cost Elements

- Measuring Tape
- Twine
- Stakes
- Soil Analysis Test Kit
- Fertilizer
- Rototiller Rental

Trellis Cost Elements

- End Posts
- Line Posts
- Earth Anchor Installation Kit
- Earth Anchors
- Wire Tighteners
- Wire Tightener Tool
- Rolls of Wire
- Staples (10 lb box)
- Post Hole Digger Rental

99 Vine Vineyard

Vine & Trellis Material Estimate

- # of Same Length Rows = 11
- # Vines per row = 9
- Vine Spacing (ft.) = 7
- Row Spacing (ft.) = 10
- # Wires On Trellis = 5
- Feet Per Roll of Wire = 2000
- Distance (ft.) of Earth Anchor from End Post = 5
- Approximate Cost w/o Tax or Shipping = **\$2000**

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Vine & Trellis Material Estimate

- # of Same Length Rows = 6
- # Vines per row = 9
- Vine Spacing (ft.) = 7
- Row Spacing (ft.) = 10
- # Wires On Trellis = 5
- Feet Per Roll of Wire = 2000
- Distance (ft.) of Earth Anchor from End Post = 5
- Approximate Cost w/o Tax or Shipping = **\$1270**

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Vine & Trellis Material Estimate

- # of Same Length Rows = 6
- # Vines per row = 9
- Vine Spacing (ft.) = 7
- Row Spacing (ft.) = 10
- # Wires On Trellis = 5
- Feet Per Roll of Wire = 2000
- Distance (ft.) of Earth Anchor from End Post = 5
- Approximate Cost w/o Tax or Shipping = **\$450**

6. Woods Wine

Review of Folder Contents

7. Backyard Vineyard Q&A

Thank You!

- Please consider Woods Wine classes to obtain a deeper understanding:
 - Introduction to Backyard Vineyards
 - Planning and Cost Estimating
 - Cultivar and Trellis Selection, Pruning, and Training
 - Harvest, Crush, Fermentation, and Press