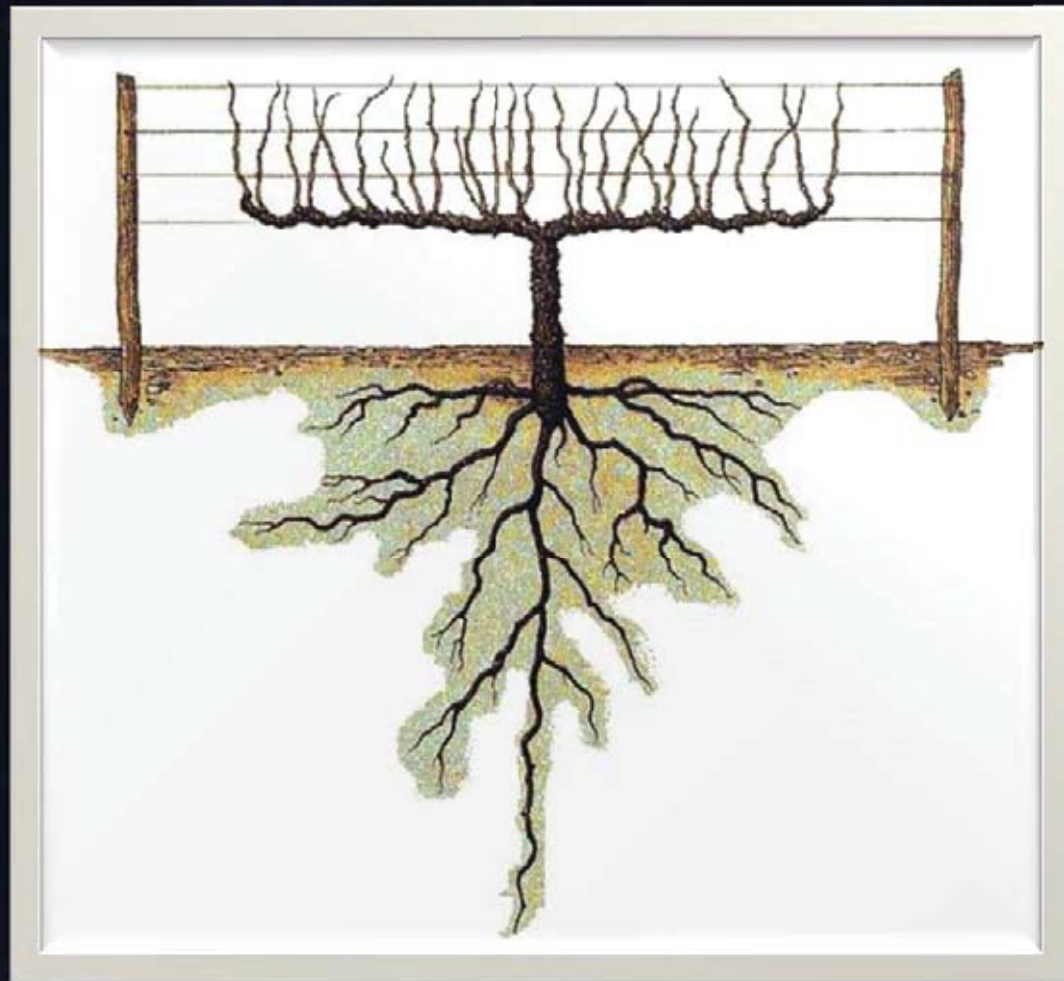


Red Flags

- Subsoil pH is below 4.5 or above 7.5
- Low pH contributes to Al and Mn excesses.
- Consider alternative site.
- High pH can limit micronutrient availability, especially Fe.
- Consider alternate site or lime-tolerant rootstocks.
- Organic matter is above 4.0%
- Can be a result of poor internal drainage.
- Can complicate vine management.
- Consider low-vigor cultivars and/or rootstocks.



Trellis Materials and Types



Trellis Materials

■ Line Post

- Main purpose is to support the wire
- Should be 4 inches in diameter

■ End Post

- Support the structure
- The weight of the structure is transferred through the post
- Should be 8 inches in diameter



Trellis Materials

■ Posts

- Wooden, treated
- Steel
- Other

Fiberglass

Concrete

Well Pipe

Irrigation Pipe



Trellis Materials



Trellis Materials

- Wire used to direct the growth of the vine
- Also carries the weight of the vine
- Needs to be high tensile strength,
12.5 gauge
 - Comes in 4000 ft rolls
 - Best have a Spinning Jenny
- Catch wires for VSP can be electric wire
or wire of a lesser gauge



Trellis Materials



Trellis Materials

- Strainer
- Springs
- Dead men
- Earth anchors
- Staples
- Wire splicers
- Cross arms



Trellis Materials



Trellis Materials

- Post Hole Digger
 - Post pounder
 - Auger
- Tractor
- Shovel
- Fence pliers
- Tamper
- Spinning Jenny
- Gloves

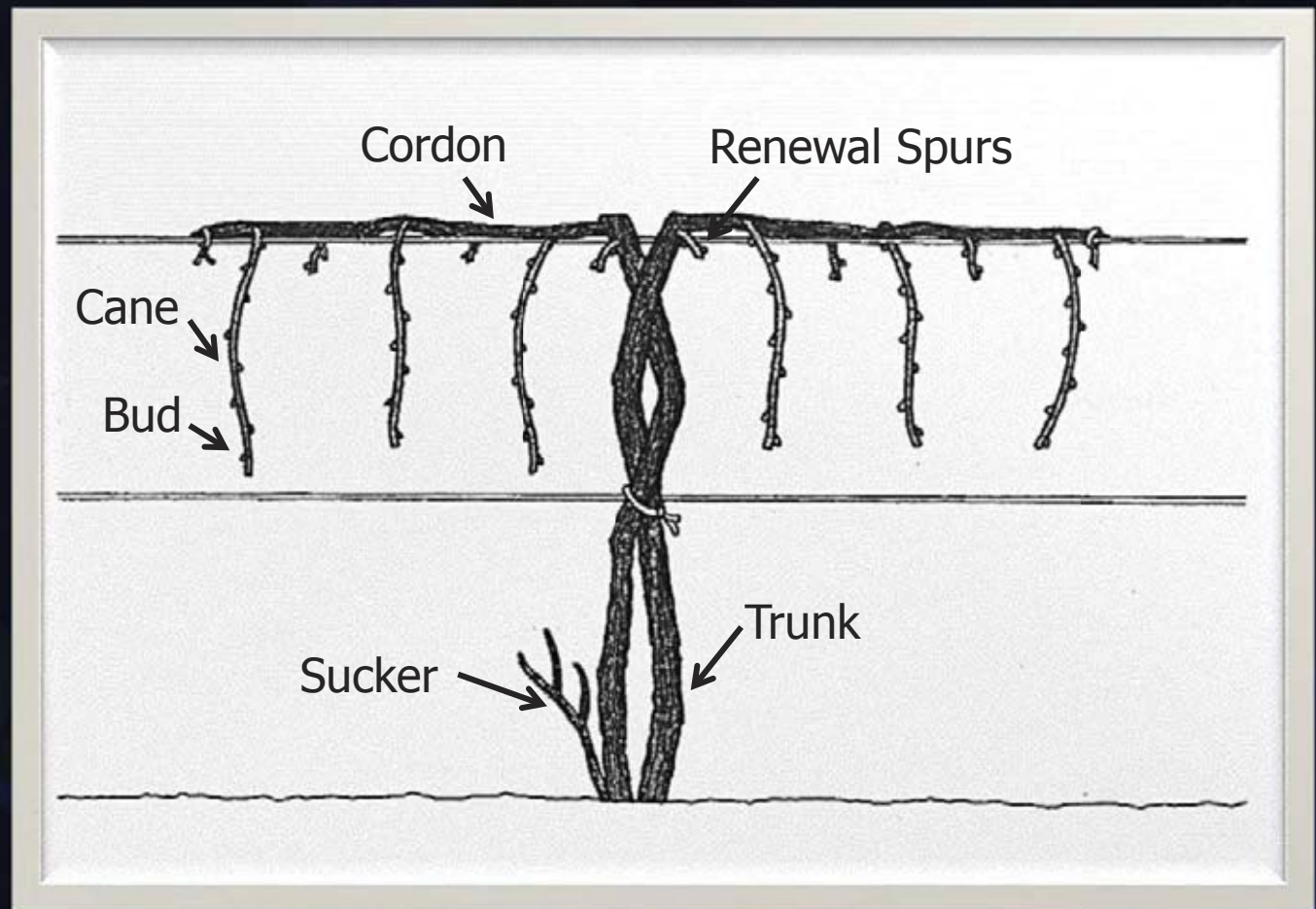


Trellis Types

- Importance of a good trellis system
 - Maximize sun or light interception
 - Places vines in a more manageable position
 - Makes it easier to reach the fruit
 - Helps with weed control
 - Facilitates spraying for insect and disease control



Structure of a Grapevine



Trellis Types

- Types of trellises
 - Two and Four Arm Kniffin
 - High Wire Renewal System
 - Geneva Double Curtain (GDC)
 - Vertical Shoot Positioning (VSP)
 - Scott Henry
 - Smart Dyson



Two and Four Arm Kniffin



Four Arm System



Two Arm System

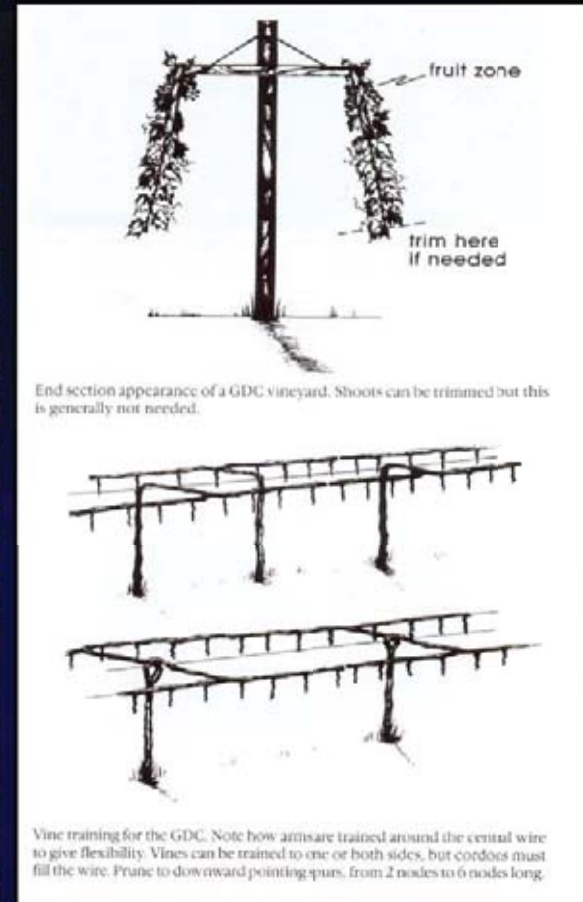


High Wire Renewal System

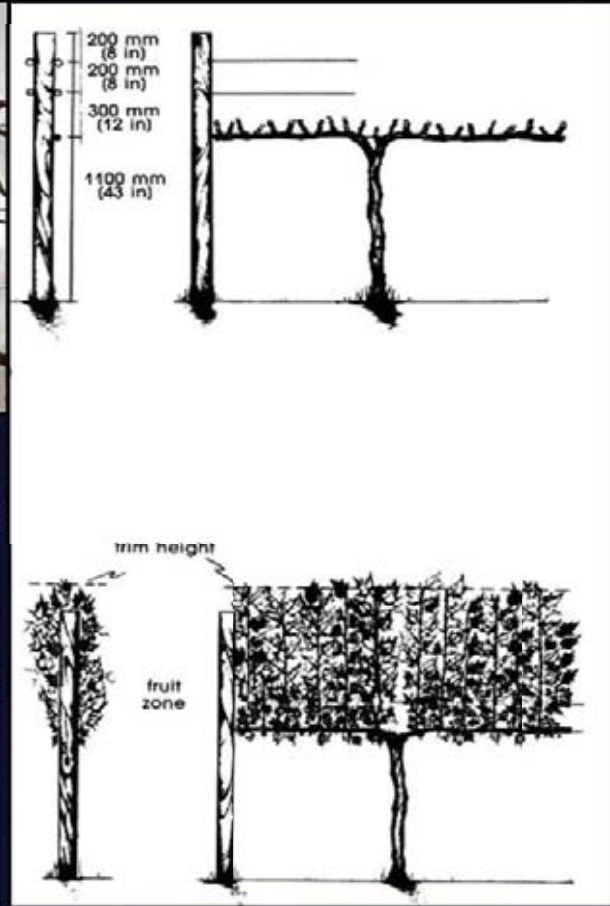


University Of Nebraska Viticulture Program
<http://agronomy.unl.edu/viticulture>

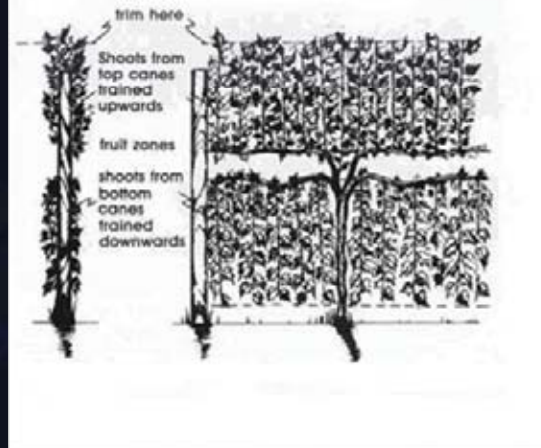
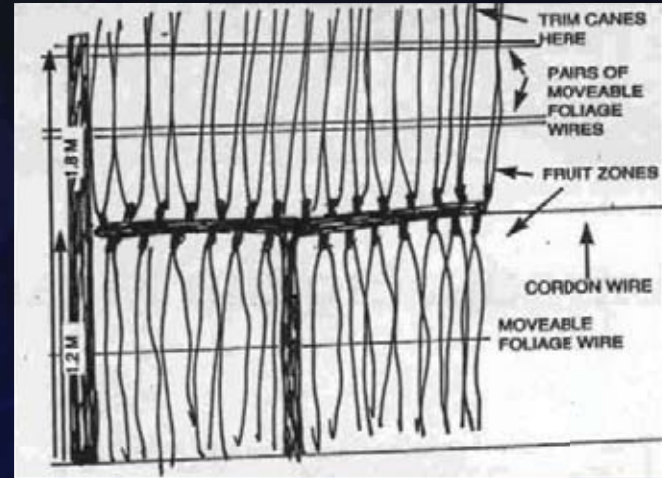
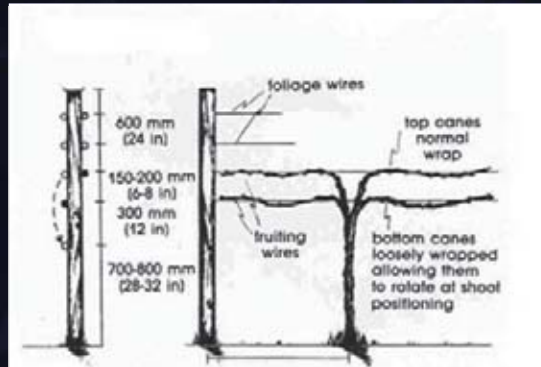
Geneva Double Curtain



Vertical Shoot Positioning



Scott Henry Smart Dyson



Cultivar Selection

- Will it grow in Nebraska ?
- Can you sell it ?
- Most importantly “What do the Wineries Want ?”

