



**ANPING ENZAR METAL  
PRODUCTS CO., LTD.**

## Vineyard Posts

# INSTALLATION GUIDANCE

Installation Directions of  
Vineyard Posts & Trellis  
Wires



# Vineyard Posts Installation Guidance

Vineyard posts play a crucial role in maintaining the proper growth and health of grapevines. They support the weight of the vines, help them stay upright, and provide a framework for training the vines in a specific direction to optimize sunlight exposure and airflow.

[Steel vineyard posts](#) are designed to replace traditional wooden posts and offer several advantages such as durability, longevity, and resistance to weather conditions. Steel vineyard posts are typically made from galvanized or coated steel to prevent rust and corrosion, ensuring a longer lifespan.

Here we will guide you install the steel vineyard posts and the trellis wires step by step, Here is the outline:

- 1.** Preparation
- 2.** Plan & Mark
- 3.** Install end post
- 4.** Install intermediate post
- 5.** Install ground anchor
- 6.** Install Bottom Wire
- 7.** Install Intermediate Wire
- 8.** Install Top Wire
- 9.** Finished

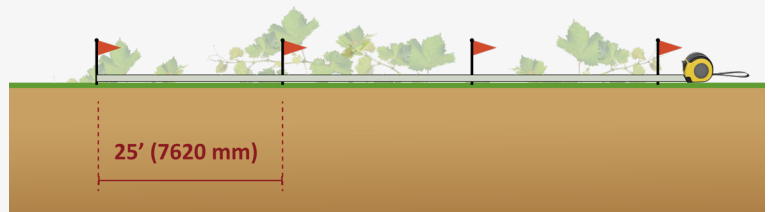
## **Prepare things you will need**

- Steel Vineyard Posts
- Vineyard Ground Anchor
- Wire Joiners
- Wire Tension Tool
- Wire Twister
- High Tensile Strength Galvanized Steel Wire
- Post Driver
- Wire Protector
- Wire Rope Thimble
- Wire Cutter
- Hammer

# Vineyard Posts Installation Guidance

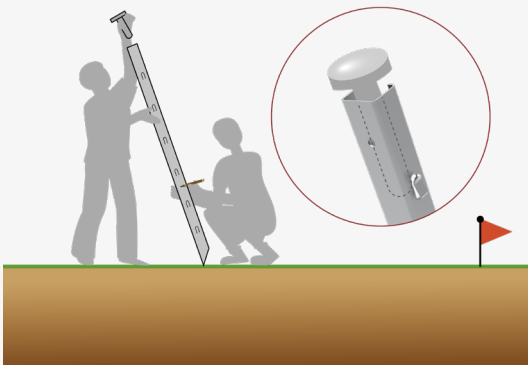
## Step 1: Plan and Mark

Before you begin, plan the layout of your vineyard and mark the locations where you want to install the posts. Ensure proper spacing between posts for optimal vine growth. Now, I will take the 25' for example.



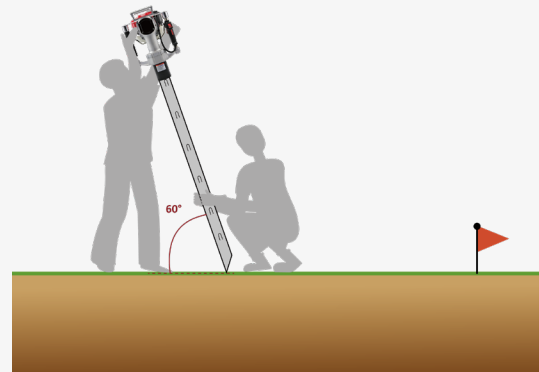
## Step 2: Install End Post

The end post is very important to the whole system, because it will withstand the whole system weight and bear the heavy wind attack. So the end post installation must be firmly and stable in right way.



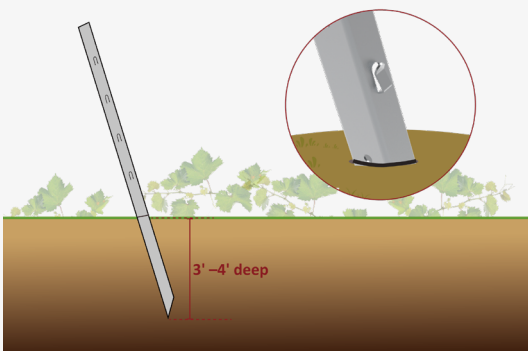
### ▲ Step 2-1

Insert a auxiliary tool into the end post



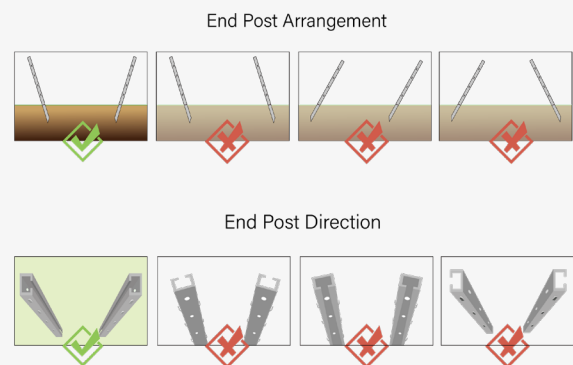
### ▲ Step 2-2

Drive the end post with post driver in a 60° angle



### ▲ Step 2-3

Drive the end post at marked position. It should be buried about 3' - 4' deep



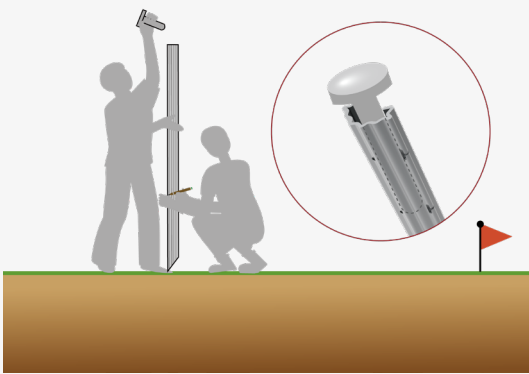
### ▲ Step 2-4

Confirm the end posts are installed in the right direction

# Vineyard Posts Installation Guidance

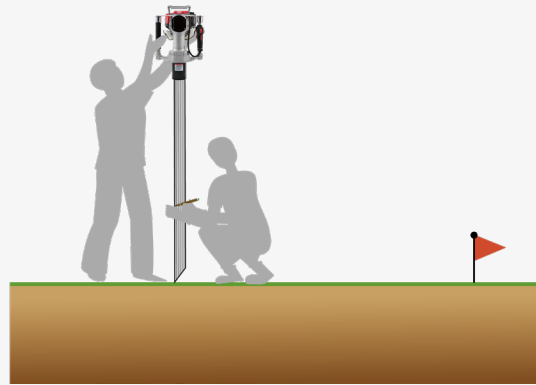
## Step 3: Install Intermediate Posts

Once the end posts are in place, install the intermediate posts along the length of the vineyard row. These posts provide additional support and structure for the trellis system. Space them according to your desired trellis wire configuration.



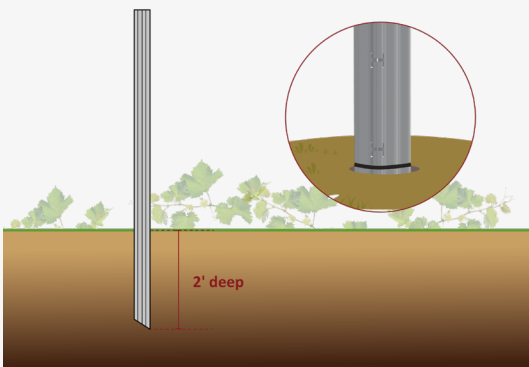
### ▲ Step 3-1

Insert an auxiliary tool into the end post



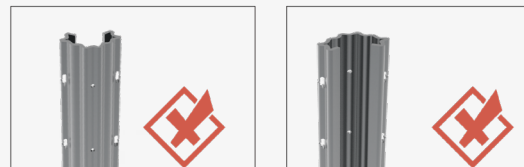
### ▲ Step 3-2

Straightly Drive the post with post driver



### ▲ Step 3-3

Drive intermediate post at marked position. It should be buried about 2' deep



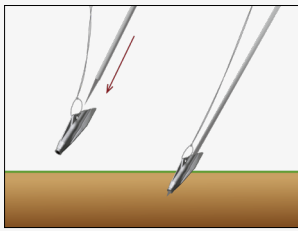
### ▲ Step 3-4

Confirm the end posts are installed in the right direction

# Vineyard Posts Installation Guidance

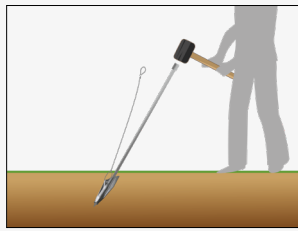
## Step 4: Install Ground Anchor

After installing the end and intermediate posts, you may install ground anchors. Ground anchors are used to provide extra stability to the posts, especially for vertical trellis systems that experience tension from the grapevines and wires. Attach the ground anchors securely to the posts and anchor them firmly into the ground.



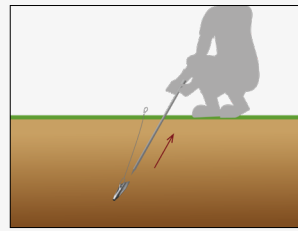
### ▲ Step 4-1

Insert an auxiliary tool into the end post



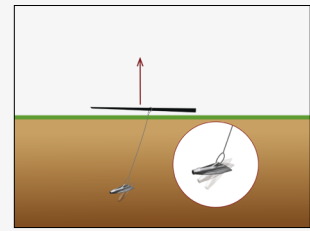
### ▲ Step 4-2

Drive the ground anchor fully into the ground, to a depth of at least 1 m



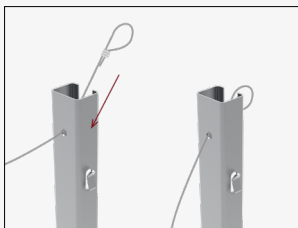
### ▲ Step 4-3

When the whole rope is buried into the ground, remove the steel rod



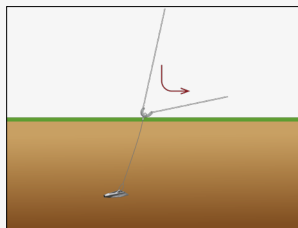
### ▲ Step 4-4

Lift the ground anchor horizontally using the steel rod passing through the eyelets of the steel rope



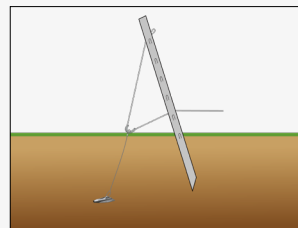
### ▲ Step 4-5

Thread through the hole on the top of the end posts



### ▲ Step 4-6

Thread the wire rope through the eyelets of the ground anchor and install the wire rope thimble



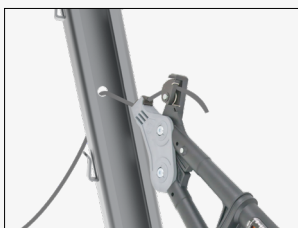
### ▲ Step 4-7

Thread the wire rope through the holes at the bottom of the end post



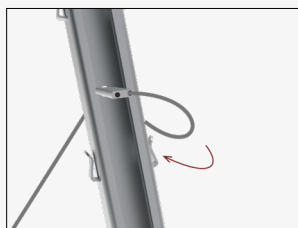
### ▲ Step 4-8

Use the wire joiner to fasten the wire rope



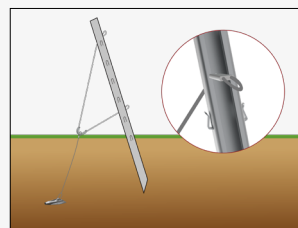
### ▲ Step 4-9

Fasten the wire ropes tight with the wire tension tool



### ▲ Step 4-10

Thread the remaining back into the hole



### ▲ Step 4-11

Finished

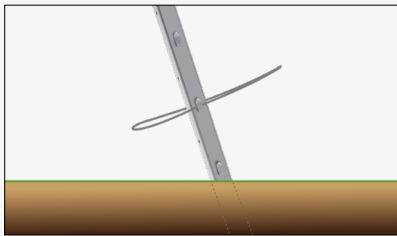
# Vineyard Posts Installation Guidance

## Step 5: Attach Bottom Trellis Wire

Once the posts are securely in place, you can attach trellis wires to them. Attaching trellis wires is a crucial step in setting up a vineyard to support the growth of grapevines. Trellis wires provide the structure on which grapevines will grow and can be used to guide their growth in a desired manner.

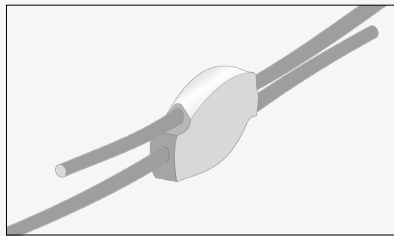
Begin by attaching the bottom trellis wire. This wire is usually installed a few inches above the ground and serves as the starting point for training the grapevines.

The trellis wire arrangement is variable according to different vine system. You can adjust them according to your condition. Here, we set the bottom trellis wire with double wire.



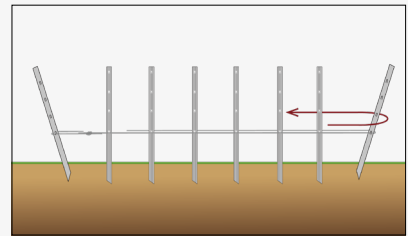
### ▲ Step 5-1

Pick up a piece of galvanized steel wire and fasten them on the side channel



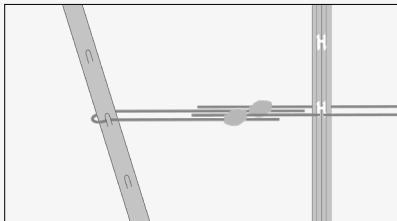
### ▲ Step 5-2

Connect the steel wire to another steel wire with wire joiner



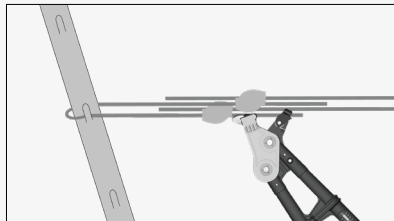
### ▲ Step 5-3

Fasten the steel wire on the side channel of intermediate post and end post, then back to the beginning position



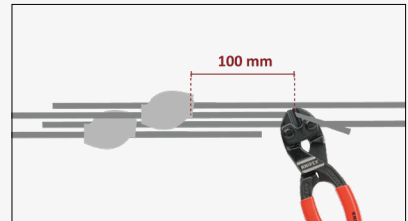
### ▲ Step 5-4

Join the two remaining wire together with wire joiner



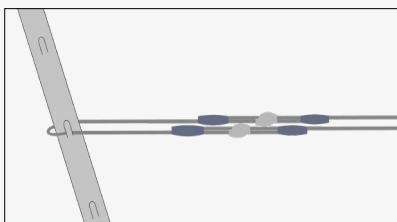
### ▲ Step 5-5

Tighten the steel wires with wire tension tool



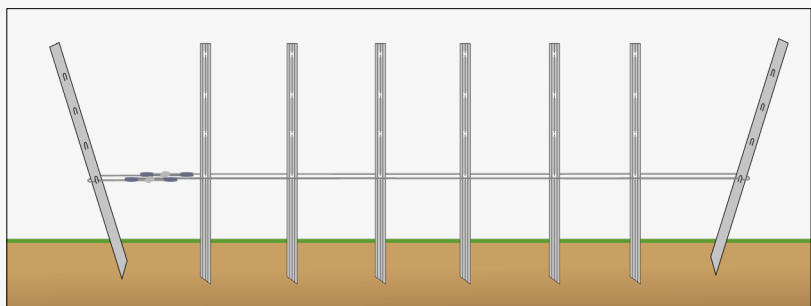
### ▲ Step 5-6

Cut remaining steel wires with wire cutter and leave 10 cm steel wires for re-tension



### ▲ Step 5-7

Fasten the remaining wires with wire twister

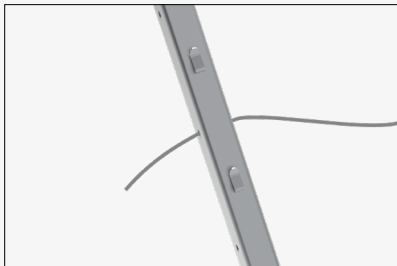


▲ Step 5-8 Ensure that the wire is level and straight along the entire length of the trellis

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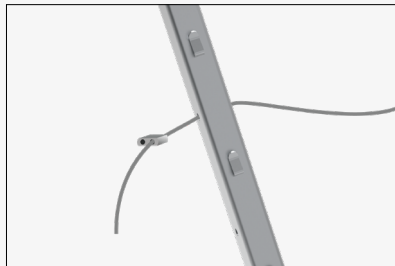
## Step 6: Install Intermediate Trellis Wire

The intermediate wires will be set in single wire and all wires will thread through the holes on the posts.



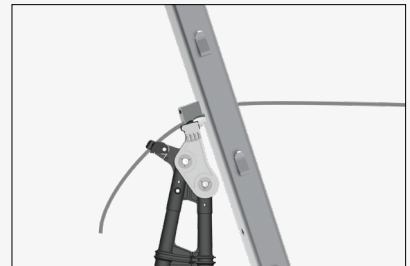
### ▲ Step 6-1

Thread the trellis wire through the hole of end posts



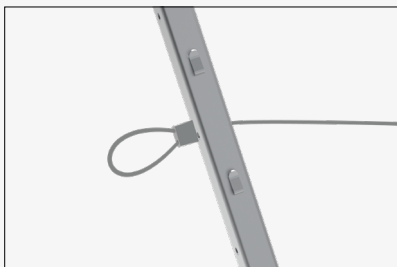
### ▲ Step 6-2

Install the wire joiner



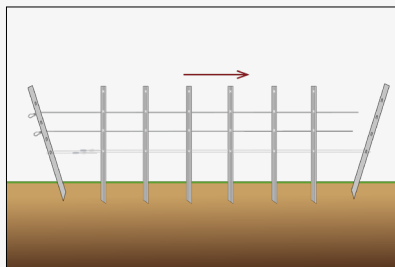
### ▲ Step 6-2

Secure one end of the wire to the first post with wire tension tool. Make sure the wire is taut but not overly tight



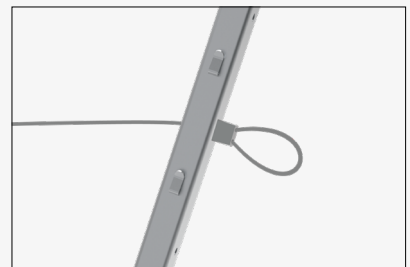
### ▲ Step 6-4

Thread the remaining back into the hole



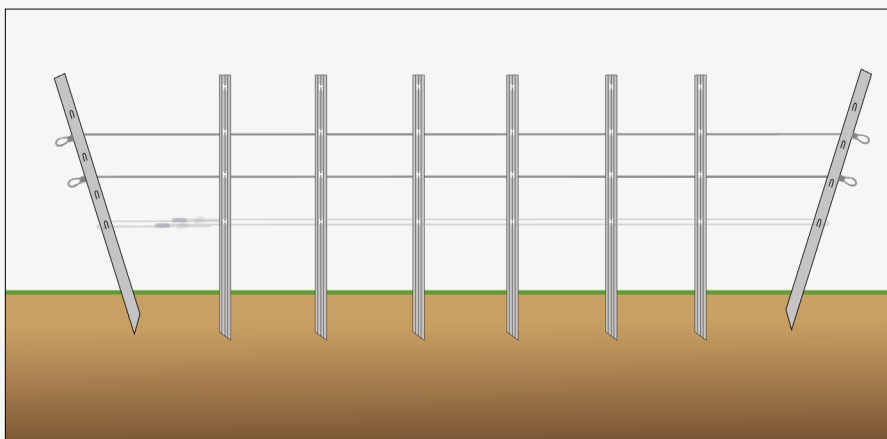
### ▲ Step 6-5

Pull the wire tight as you move from post to post



### ▲ Step 6-6

Fasten the steel wire in the same method



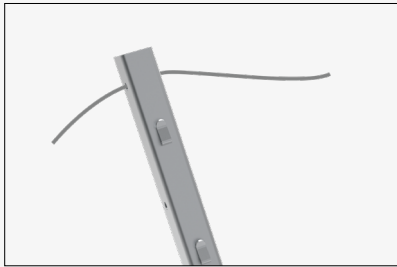
### ◀ Step 6-7

Ensure that the wire is level and straight along the entire length of the trellis

# Vineyard Posts Installation Guidance

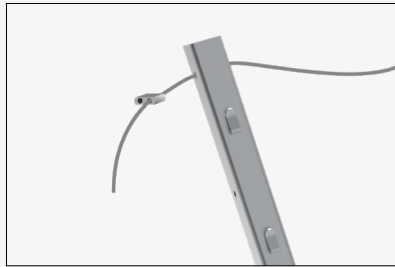
## Step 7: Install Top Trellis Wire

The top wire installation is same as the intermediate wire which will be set single wire. If the top wires are double wires, you can refer to the bottom wire installation method.



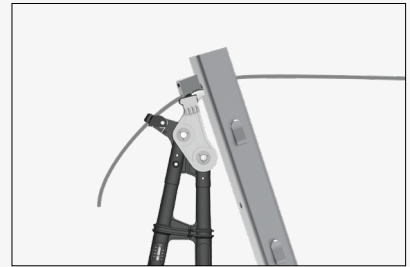
### ▲ Step 7-1

Thread the trellis wire through the hole of end posts



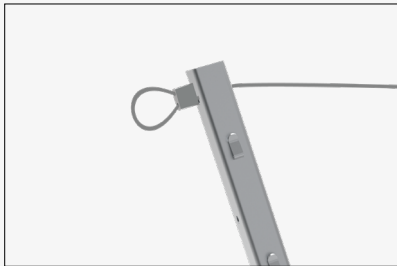
### ▲ Step 7-2

Install the wire joiner



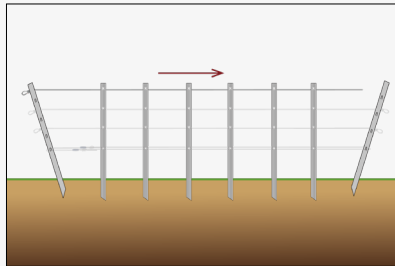
### ▲ Step 7-2

Secure one end of the wire to the first post with wire tension tool. Make sure the wire is taut but not overly tight



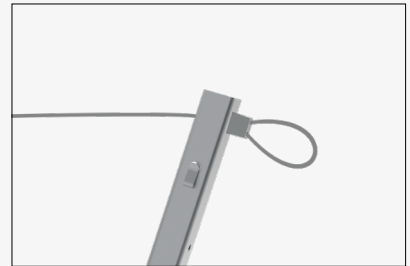
### ▲ Step 7-4

Thread the remaining back into the hole



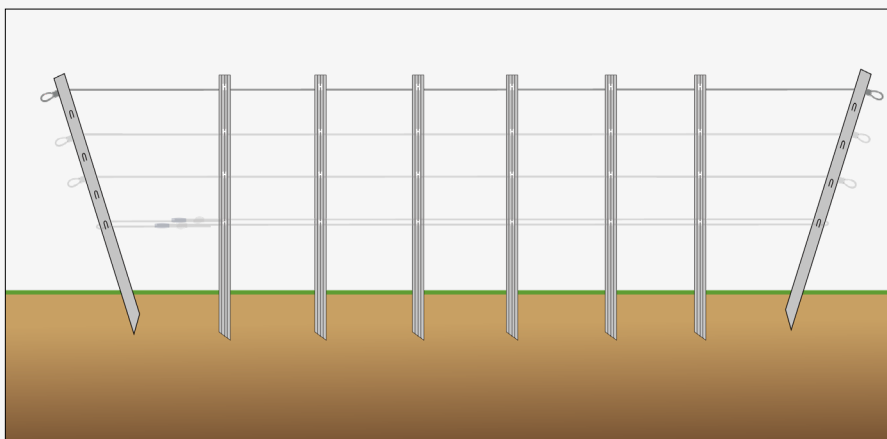
### ▲ Step 7-5

Pull the wire tight as you move from post to post



### ▲ Step 7-6

Fasten the steel wire in the same method



### ◀ Step 7-7

Ensure that the wire is level and straight along the entire length of the trellis



# Vineyard Posts Installation Guidance

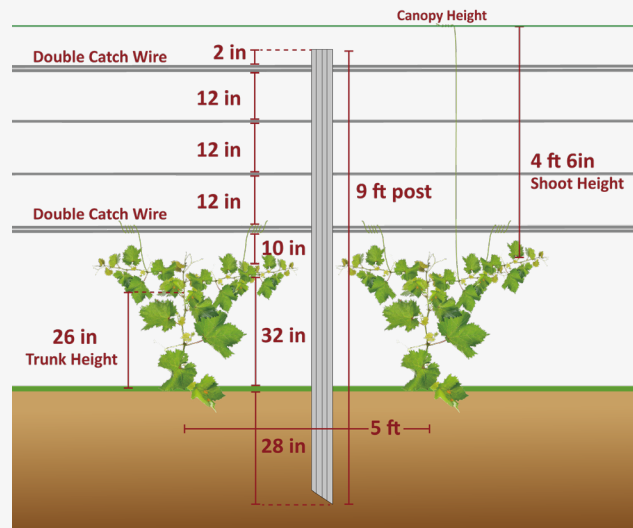
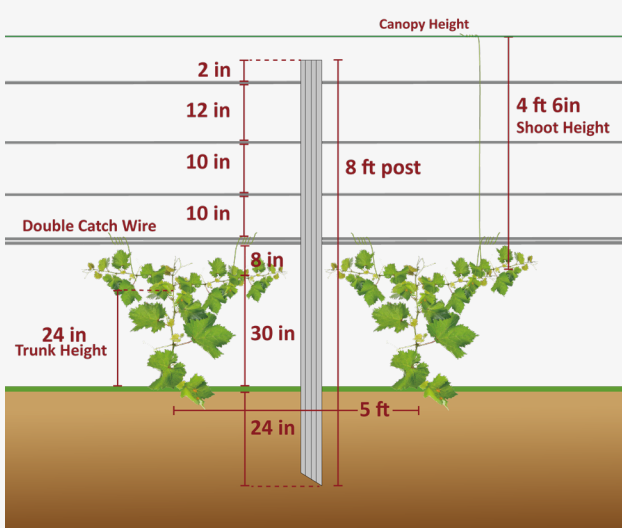
## Step 8: Finished

At last, you will recheck the whole system and start your following jobs. Besides, you can recheck the system during different grapes growing cycle to guarantee the strong support.



## Notes

Depending on your vine training system and the height of your grapevines, you might need to install multiple trellis wires above the bottom wire. The distance between two lines of trellis wire in a vineyard depends on various factors, including the grapevine variety, vine training system, climate, and local vineyard practices. Different grapevine varieties and training systems have different requirements for optimal growth and fruit production.





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