# Citrus Trellis Project Woodlake, California October 04, 2022

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Today all development projects are costly, and a trellis structure intensifies that issue.



# Planning

- **▶** Variety of Citrus
- Tree spacing and Row spacing
- Row direction
- Ordering tree height
- Type of trellis: Vertical or Tatura
- Trellis height (6ft to 8ft)
- Wire placement on steel posts: before and after planting

### **Trellis Options**



Tatura Trellis with angle planted standard trees





Tatura Trellis with vertical planted standard trees

#### **Evaluation Process**

Project Considerations.

► Water: Quality

Quantity

**Availability** 

Reservoir as an option

► Location: Soil

**Topography** 

Field layout

Variety Tree Vigor, Tree Spacing and Row spacing

Fruit setting quantity and Cultural practices.

### Irrigation water

Quality Trees planted in a tight

spacing

Quantity Increased consumption.

About 20% increase in

water use

Availability Water source-well / surface

Reservoir Surface water stored -

available anytime.

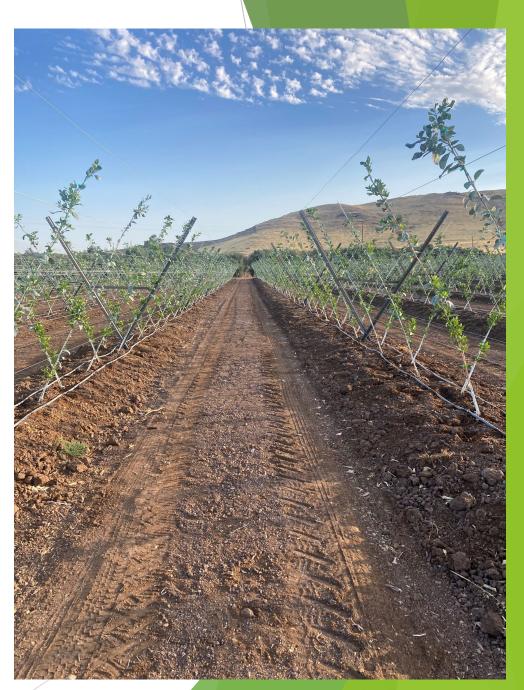


#### **Project location**

Soil

Topography -Installing Trellis system Field layout -Spacing and Row direction





### **Property Layout**

- Planning is critical. Once the deadman and steel posts are installed, changes are tough.
- ▶ Considerations
  - ► Turning at end of rows
  - Windmachine drives
  - Fertilizer chemical deliveries
  - Spray applications.
  - ► Harvest
  - Access walkways through trellis



### Trellis walkways

Access the block from the middle rather than only from the ends.

If your irrigation risers run through the interior of the block, put the walkways so workers can access them.

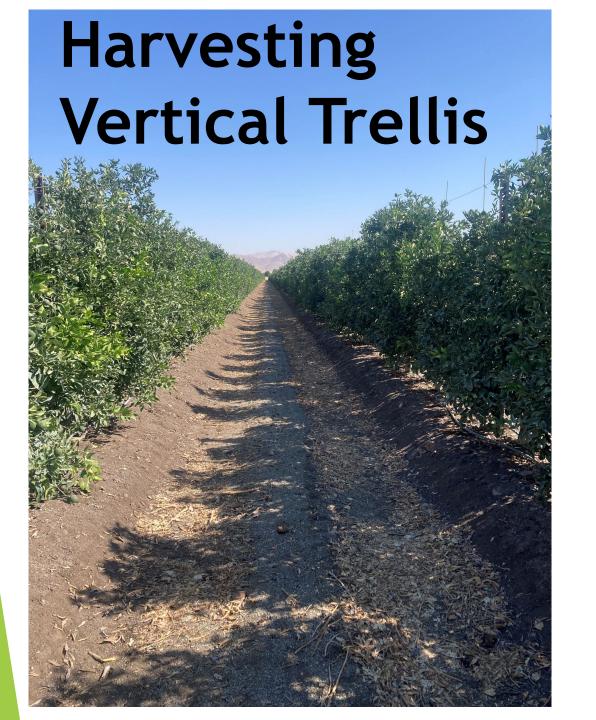


# Tying (Velcro Project)

## Pruning









**Summary** 

Variety: Sumo Citrus Mandarins.

Planting density: Vertical 12x4 = 907 trees/acre

Tatura 15x3 = 968 trees/acre

Increase in water and fertilizer applications:

Water around 20% increase Fertilizer around 30% increase

Pruning and Tying additional cost: first few years

Production potential: 2X Yield over conventional Sumo Citrus plantings

Trellis cost: \$10,000/acre

Tree costs: \$22,270/acre

The other development costs you are all familiar with.

Assemble a Strong Team

John Walter: Land leveling

Streamline Irrigation: Johnny Rispens, Filter station and Irrigation system

Performance grading: Chris Luis, reservoir construction

D&E Construction: Dennis Shamoon, Pond Liner

High Sierra Ag: Zack Stuller, Groundwork, berms, and establishing Row direction

A&P Ag structures: Shaun Berbereia, Trellis Design and Installation

TreeSource Citrus Nursery: Heidi Cervantes, Tall Citrus Trees

#### Woodlake Planting Video



Thank you!!

Can I answer any questions?

Please buy lots of Sumo Citrus!!

