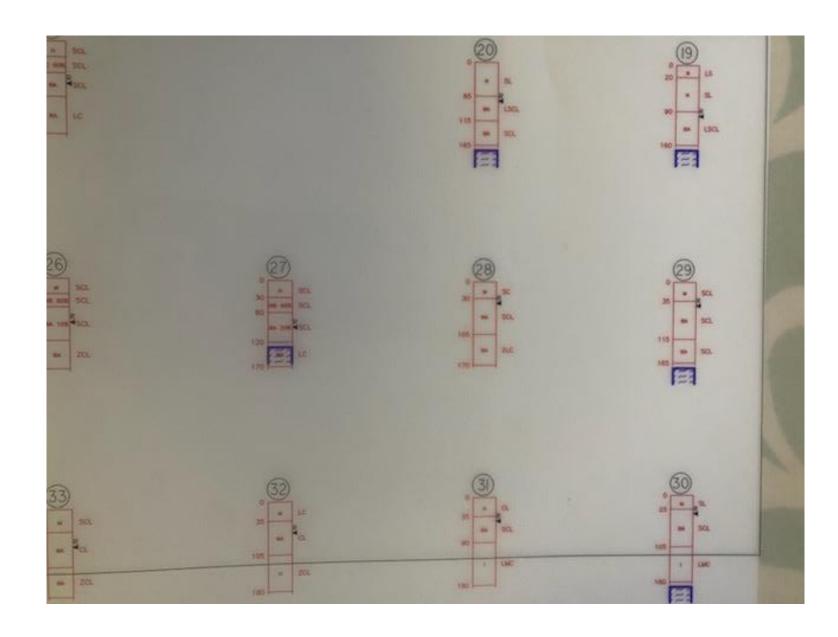


Topsoil Depths

Varies from 25cm – 90 cm of Sandy Loam over 2.5 hectares



Soil Maps – Readily Available Water



Benefits of Whole Orchard Recycling













History

- Water turned off trees after harvest 2021.
- Replaced Non Pareil, Carmel and Price planted 1992 6.1m x 7m on Nemaguard
- 1992 plantings were interplanted between vines and then vines removed. Vines were 40years old. No ripping or base material put down pre planting.
- Planted August 3rd 2022 Non Pareil, Shasta and Pyrenees on Cornerstone
- Spacing of 7.25m x 4.5m
- Ground was ripped, disced and mounded.



November 19 2022





November 29 2022







December 28 2022





First year - 2022

- Good initial growth. Problems with earwigs attacking some trees initially. Baiting fixed this problem.
- Growth slowed in November on trees attacked by earwigs. Also restricted growth where heavy concentration of bark chips.
- Added 2nd Dripline last week of November.
- After talking with Brent at ABC Conference gave struggling trees
 25grams of Multi Complex fertiliser every 2 weeks over 4 applications.
- Used 6ML over the 2.5ha trial patch.

Products Applied 2022:

Ammonium Nitrate
Calcium Nitrate
Potassium Nitrate
Stoller Root Feed (N, Ca, Mg)
Tech Map
MKP

N	Р	K	Ca	Mg
81.5	8	26	19	3

Second Year – 2023

- Pruned in winter and made a heading cut.
- Made a second heading cut in November.
- Tried to control growth. Cut down fertiliser so far.
- Set a crop of almonds, which were picked off.
- Storms on Christmas Day and January 7 have seen trees lost by blowing over. Have lost approximately 30 Non Pareil trees.

Products used so far in 2023:

Ammonium Nitrate
Potassium Nitrate
Stoller Root Feed (N, Ca, Mg)
Tech Map
MKP

N	Р	K	Ca	Mg
28	13.5	23	0	1

January 9 2024 – Non Pareil





January 9th 2024

December 28th 2022





Would I do it again? – Absolutely!!!

- Pull trees, grind up, spread and work into the ground.
- Make sure that the chips are smaller size by having grinder with the correct screen installed.
- Spread base layer of Nitrogen over area to be planted to help break down the chips.
- Install irrigation over the top of planting area.
- Leave the ground for a year, then plant trees.
- Weeds Extra nitrogen & Humidity = Big Problem!!!

Wishlist

- Hoping to a good news story for Industry
- The scientific findings duplicate what was found in the Californian trials.
- Access to funding to help subsidise cost of doing this.
- Possible Carbon Credits for sequestration of carbon
- Price per hectare to do this type of work to come down.