



# P&D Monitoring Report Tunnel Hill 2022-23

## Block 3 Sangiovese

### Vine Growth / Canopy & Crop

EL Stage

12

Tip Growth

strong

Canopy Height x Width (av. - cm)

30 x 20 cm

Canopy Lifting

Wires are up

Canopy & Crown Density (thinning requirements)

Fairly even bud burst, some apical dominance. (Image 1)

Leaf Colour

Good

Leaf Loss (shading or stress)

No- some - not much - leaf fringe burn- wind damage?

Watershoot Growth

Fairly clean trunks, some

watershoots returning (image 2)

Fruit / Inflorescence Density,

Overcropping, Bunch Size & Condition

N/a

Frost or Cold Damage

No

Photos

### Pest, Disease & Nutrition

Powdery Mildew

0

Downy Mildew (oil spots or active infection)

0

Downy Mildew (old infection)

0

Botrytis (leaf or bunch)

No

LBAM (webbing / moths / eggs / caterpillars)

Not sighted

Scale (adults, eggs, crawlers)

Not sighted

Snails

Not sighted

Mites

No

Weevils

No, some earwigs.

Eutypa

Not showing up on the canes

Diaporthe

No

Phomopsis

No

Nutrient Deficiency / Toxicity

No

Beneficials

Not sighted

### Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation

Good

Irrigation System (Leaks, blocked emitters etc.)

N/a

Weed Growth (vine rows)

Fairly clean some weeds returning (image 2), some blackberry (image 3).

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

60 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a



# P&D Monitoring Report Tunnel Hill 2022-23





# P&D Monitoring Report Tunnel Hill 2022-23

## Blocks 2 & 4a Cabernet Sauvignon

### Vine Growth / Canopy & Crop

EL Stage

7

Tip Growth

Strong

Canopy Height x Width (av. - cm)

20 x 10 cm

Canopy Lifting

Wires are up

Canopy & Crown Density (thinning requirements)

Generally good even bud burst (images 1 block 2 & 5 block 4A)

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Watershoot Growth

Clean, some returning (image 2)

Fruit / Inflorescence Density,

Overcropping, Bunch Size & Condition

N/a

Frost or Cold Damage

No

### Pest, Disease & Nutrition

Powdery Mildew

0

Downy Mildew (oil spots or active infection)

0

Downy Mildew (old infection)

0

Botrytis (leaf or bunch)

No

LBAM (webbing / moths / eggs / caterpillars)

Not sighted

Scale (adults, eggs, crawlers)

Not sighted

Snails

Not sighted in the canopy, some dead snails (Image 4).

Mites

No

Weevils

No, some earwigs.

Eutypa

Not showing up on the canes

Diaporthe

No

Phomopsis

No

Nutrient Deficiency / Toxicity

No

Beneficials

Not sighted

### Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation

Good

Irrigation System (Leaks, blocked emitters etc.)

N/a

Weed Growth (vine rows)

Fairly clean, some weeds returning (images 2 block 2, 6 4A), some blackberry (image 3).

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

50 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a

Photos





# P&D Monitoring Report Tunnel Hill 2022-23





# P&D Monitoring Report Tunnel Hill 2022-23

## Block 4b Shiraz

### Vine Growth / Canopy & Crop

EL Stage  
9

Tip Growth  
Strong

Canopy Height x Width (av. - cm)  
40 x 20 cm

Canopy Lifting  
Wires are up

Canopy & Crown Density (thinning requirements)  
Fairly even bud burst (image 1)

Leaf Colour  
Good

Leaf Loss (shading or stress)  
No- some leaf fringe burn - not much- wind?

Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition  
N/a

Frost or Cold Damage  
No

### Pest, Disease & Nutrition

Powdery Mildew  
0

Downy Mildew (oil spots or active infection)  
0

Downy Mildew (old infection)  
0

Botrytis (leaf or bunch)  
No

LBAM (webbing / moths / eggs / caterpillars)  
Not sighted

Scale (adults, eggs, crawlers)  
Not sighted

Snails  
Not sighted

Mites  
No

Weevils  
No, some earwigs.

Eutypa  
Not showing up on the canes.

Diaporthe  
No

Phomopsis  
No

Nutrient Deficiency / Toxicity  
No

Beneficials  
Not sighted

### Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation  
Good

Irrigation System (Leaks, blocked emitters etc.)  
N/a

Weed Growth (vine rows)  
Fairly clean some weeds returning (image 2), some blackberry (image 3)

Weed Growth (mid rows)  
Some broadleaf

Sward Length (rows / headlands)  
60 cm

Broken Posts (intermediate, strainers)  
N/a

Broken Wires  
N/a

Watershoot Growth  
Fairly clean trunks, some watershoots returning (image 2)

Photos





# P&D Monitoring Report Tunnel Hill 2022-23





# P&D Monitoring Report Tunnel Hill 2022-23

## Block 5a Sauvignon Blanc

### Vine Growth / Canopy & Crop

**EL Stage**  
8

**Tip Growth**  
Strong

**Canopy Height x Width (av. - cm)**  
25 x 15 cm

**Canopy Lifting**  
Wires are up

**Canopy & Crown Density (thinning requirements)**  
Good even bud burst (see image 1)

**Leaf Colour**  
Good

**Leaf Loss (shading or stress)**  
No

**Watershoot Growth**  
Generally clean trunks, some returning (image 2)

**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
N/a

**Frost or Cold Damage**  
No

### Pest, Disease & Nutrition

**Powdery Mildew**  
0

**Downy Mildew (oil spots or active infection)**  
0

**Downy Mildew (old infection)**  
0

**Botrytis (leaf or bunch)**  
No

**LBAM (webbing / moths / eggs / caterpillars)**  
Not sighted

**Scale (adults, eggs, crawlers)**  
Not sighted

**Snails**  
Not sighted

**Mites**  
No

**Weevils**  
No, some earwigs.

**Eutypa**  
Not obvious

**Diaporthe**  
No

**Phomopsis**  
No

**Nutrient Deficiency / Toxicity**  
No

**Beneficials**  
Not sighted

### Soil, Irrigation, Sward, Trellis, Other

**Soil Moisture / Cracks, Recent Irrigation / Precipitation**  
Good

**Irrigation System (Leaks, blocked emitters etc.)**  
N/a

**Weed Growth (vine rows)**  
Clean (image 2)

**Weed Growth (mid rows)**  
Some broadleaf

**Sward Length (rows / headlands)**  
30 cm

**Broken Posts (intermediate, strainers)**  
N/a

**Broken Wires**  
N/a

Photos



# P&D Monitoring Report Tunnel Hill 2022-23







# P&D Monitoring Report Tunnel Hill 2022-23

## Block 5b & 5c Shiraz

### Vine Growth / Canopy & Crop

**EL Stage**  
9

**Tip Growth**  
Strong

**Canopy Height x Width (av. - cm)**  
20 x 10 cm

**Canopy Lifting**  
Wires are up

**Canopy & Crown Density (thinning requirements)**  
Good even bud burst (image 1)

**Leaf Colour**  
Good

**Leaf Loss (shading or stress)**  
No

**Watershoot Growth**  
Clean trunks some returning (image 2)

**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
N/a

**Frost or Cold Damage**  
No

### Pest, Disease & Nutrition

**Powdery Mildew**  
0

**Downy Mildew (oil spots or active infection)**  
0

**Downy Mildew (old infection)**  
0

**Botrytis (leaf or bunch)**  
No

**LBAM (webbing / moths / eggs / caterpillars)**  
Not sighted

**Scale (adults, eggs, crawlers)**  
Not sighted

**Snails**  
Not sighted in the canopy (some dead Italian snails image 3)

**Mites**  
No

**Weevils**  
No

**Eutypa**  
No

**Diaporthe**  
No

**Phomopsis**  
No

**Nutrient Deficiency / Toxicity**  
No

**Beneficials**  
Not sighted

### Soil, Irrigation, Sward, Trellis, Other

**Soil Moisture / Cracks, Recent Irrigation / Precipitation**  
Good

**Irrigation System (Leaks, blocked emitters etc.)**  
N/a

**Weed Growth (vine rows)**  
Clean (image 2)

**Weed Growth (mid rows)**  
Some broadleaf

**Sward Length (rows / headlands)**  
80 cm

**Broken Posts (intermediate, strainers)**  
N/a

**Broken Wires**  
N/a

Photos



# P&D Monitoring Report Tunnel Hill 2022-23





# P&D Monitoring Report Tunnel Hill 2022-23

## Blocks 7, 8 & 9 Pinot Noir

### Vine Growth / Canopy & Crop

**EL Stage**  
12

**Tip Growth**  
Strong

**Canopy Height x Width (av. - cm)**  
30 x 20 cm

**Canopy Lifting**  
Wires are up

**Canopy & Crown Density (thinning requirements)**  
Good even bud burst (images 1 & 8)

**Leaf Colour**  
Good

**Leaf Loss (shading or stress)**  
No

**Watershoot Growth**  
Fairly clean trunks (image 2) some watershoots returning

**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
N/a

**Frost or Cold Damage**  
No

### Pest, Disease & Nutrition

**Powdery Mildew**  
0

**Downy Mildew (oil spots or active infection)**  
0

**Downy Mildew (old infection)**  
0

**Botrytis (leaf or bunch)**  
No

**LBAM (webbing / moths / eggs / caterpillars)**  
Not sighted

**Scale (adults, eggs, crawlers)**  
Not sighted

**Snails**  
Some snails in maybe 1 in 20 vines (image 6), dead snails (images 4 & 7)

**Mites**  
No

**Weevils**  
No, some earwigs.

**Eutypa**  
Not showing up on the canes.

**Diaporthe**  
No

**Phomopsis**  
No

**Nutrient Deficiency / Toxicity**  
No

**Beneficials**  
Not sighted

### Soil, Irrigation, Sward, Trellis, Other

**Soil Moisture / Cracks, Recent Irrigation / Precipitation**  
Good

**Irrigation System (Leaks, blocked emitters etc.)**  
N/a

**Weed Growth (vine rows)**  
clean undervine (image 2 block 7) some grass returning (image 9 block 9), some blackberry (images 3 block 7, 5 block 8)

**Weed Growth (mid rows)**  
Some broadleaf

**Sward Length (rows / headlands)**  
40 cm

**Broken Posts (intermediate, strainers)**  
N/a

**Broken Wires**  
N/a

Photos





# P&D Monitoring Report Tunnel Hill 2022-23







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# P&D Monitoring Report Tunnel Hill 2022-23

## Summary

**Date**

14/10/2022

**Monitored By**

Alex Mills

**Signature**

A handwritten signature in black ink, appearing to read 'Alex Mills', written in a cursive style.

**GPS Location**

**Vineyard Summary**

Good even bud burst all varieties to start the growing season. Some snails in about 1 in 10-20 vines in the Pinot blocks, also many dead snails- baiting has been effective. Not many in the other blocks.





# P&D Monitoring Report Tunnel Hill 2022-23

## Vineyard Map



# P&D Monitoring Report Tunnel Hill 2022-23

## Tunnel Hill Vineyard



VITICULTURE MANAGEMENT

