



P&D Monitoring Report Tunnel Hill 2022-23

VITICULTURE

Block 1 Pinot Noir

Vine Growth / Canopy & Crop

EL Stage

N/a

Tip Growth

Moderate vigour (images 1,2)

Canopy Height x Width (av. - cm)

N/a

Canopy Lifting

N/a

Canopy & Crown Density (thinning requirements)

N/a

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Watershoot Growth

N/a

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)

No

Snails

Dead Italian and Cone snails (images 5 & 6)

Mites

Not sighted

Weevils

Not sighted

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)

Sprayed + clean (image 3), some Merlot surviving (image 4).

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

60 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a

Photos



P&D Monitoring Report Tunnel Hill 2022-23

VITICULTURE





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VITICULTURE

Blocks 2 & 4a Cabernet Sauvignon

Vine Growth / Canopy & Crop

EL Stage
25

Tip Growth
Good vigour (image 1)
Canopy Height x Width (av. - cm)
100 x 40 cm

Canopy Lifting
Wires are up

Canopy & Crown Density (thinning requirements)
Fairly even shoot growth (image 1)

Leaf Colour
Good

Leaf Loss (shading or stress)
No

Watershoot Growth
Sprayed- mostly dying (image 3)

Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
Medium size (image 2), medium density.

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
Not sighted

Weevils
Not sighted

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)
Sprayed- dying (image 3)

Weed Growth (mid rows)
Some broadleaf

Sward Length (rows / headlands)
30 cm

Broken Posts (intermediate, strainers)
N/a

Broken Wires
N/a

Photos



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VITICULTURE





P&D Monitoring Report Tunnel Hill 2022-23

VITICULTURE

Block 3 Sangiovese

Vine Growth / Canopy & Crop

EL Stage

27

Tip Growth

Strong vigour (image 1)

Canopy Height x Width (av. - cm)

120 x 50 cm

Canopy Lifting

Wires are up

Canopy & Crown Density (thinning requirements)

Some dense crowns (image 5)

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Watershoot Growth

Trained for rejuvenation (image 3)

Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition

Medium to large size (image 2), medium density - some blind budding (image 4), some gaps missing vines.

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

Not sighted

Weevils

Not sighted

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)

Sprayed- fairly clean (image 3), some blackberry (image 6).

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

30 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a



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VITICULTURE





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VITICULTURE

Block 4b Shiraz

Vine Growth / Canopy & Crop

EL Stage

25

Tip Growth

Strong vigour (image 1)

Canopy Height x Width (av. - cm)

110 x 50 cm

Canopy Lifting

Wires are up

Canopy & Crown Density (thinning requirements)

Some dense crowns (image 5)

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition

Medium to large size bunches (image 2), medium density- some

blind budding (image 4)

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

Not sighted

Weevils

Not sighted

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)

Sprayed- mostly dead (image 3), some blackberry (image 6)

Weed Growth (mid rows)

Some broadleaf including blackberry (image 7)

Sward Length (rows / headlands)

30 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a

Watershoot Growth

Sprayed- mostly dying (image 3)



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Block 5a Sauvignon Blanc

Vine Growth / Canopy & Crop

EL Stage

25

Tip Growth

Moderate to good vigour (image 1)

Canopy Height x Width (av. - cm)

100 x 40 cm

Canopy Lifting

First lift is done

Canopy & Crown Density (thinning requirements)

Very dense canopy and crowns (image 1)

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Watershoot Growth

Sprayed- mostly dead (image 3)

Fruit / Inflorescence Density,

Overcropping, Bunch Size & Condition

Small size (image 2), high density.

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

Not sighted

Weevils

Not sighted

Eutypa

Not obvious

Diaporthe

No

Phomopsis

No

Nutrient Deficiency / Toxicity

Some low vigour/deficiency

symptoms waterlogged swampy areas (image 4)

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)

Sprayed- mostly clean (image 3)

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

30 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a

Photos



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P&D Monitoring Report Tunnel Hill 2022-23

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Block 5b & 5c Shiraz

Vine Growth / Canopy & Crop

EL Stage

25

Tip Growth

Good vigour (image 1)

Canopy Height x Width (av. - cm)

100 x 50 cm

Canopy Lifting

Wires are up

Canopy & Crown Density (thinning requirements)

Some dense crowns

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Watershoot Growth

Some watershoots (image 3)

Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition

Small size (image 2), medium density

Frost or Cold Damage

No

Pest, Disease & Nutrition

Powdery Mildew

0

Downy Mildew (oil spots or active infection)

1

Downy Mildew (old infection)

1

Botrytis (leaf or bunch)

No

LBAM (webbing / moths / eggs / caterpillars)

Not sighted

Scale (adults, eggs, crawlers)

Not sighted

Snails

Not sighted

Mites

Not sighted

Weevils

Not sighted

Eutypa

Not showing up on the canes

Diaporthe

No

Phomopsis

No

Nutrient Deficiency / Toxicity

Some low vigour/deficiency symptoms waterlogged swampy areas (image 6).

Beneficials

Not sighted

Notes

Downy Mildew (image 4) 1 in 200 vines

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation

Good

Irrigation System (Leaks, blocked emitters etc.)

N/a

Weed Growth (vine rows)

Some weeds (image 3), including thistle (image 5).

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

40 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a



P&D Monitoring Report Tunnel Hill 2022-23

VITICULTURE

Photos





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VITICULTURE

Block 6 Pinot Noir

Vine Growth / Canopy & Crop

EL Stage
N/a

Tip Growth
Good (image 1), just about all have shot.

Canopy Height x Width (av. - cm)
N/a

Canopy Lifting
N/a

Canopy & Crown Density (thinning requirements)
N/a

Leaf Colour
Good

Leaf Loss (shading or stress)
No

Watershoot Growth
N/a

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)
No

Snails
Italian snail (image 6)- just 1 sighted.

Mites
Not sighted

Weevils
Not sighted

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)
Sprayed- generally clean (image 2), some Merlot surviving (image 4).

Weed Growth (mid rows)
Some broadleaf

Sward Length (rows / headlands)
40 cm

Broken Posts (intermediate, strainers)
N/a

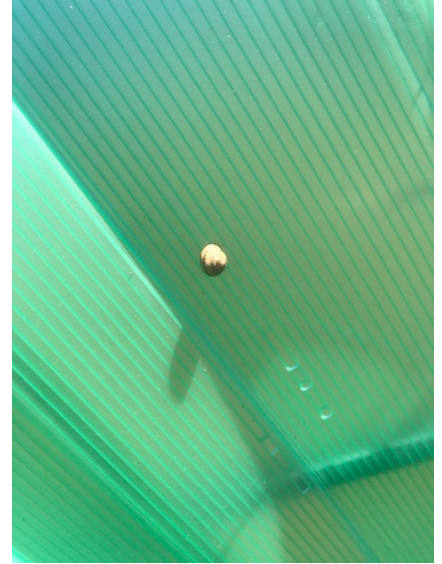
Broken Wires
N/a

Photos



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VITICULTURE





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VITICULTURE

Blocks 7, 8 & 9 Pinot Noir

Vine Growth / Canopy & Crop

EL Stage

27

Tip Growth

Strong vigour (image 1)

Canopy Height x Width (av. - cm)

120 x 40 cm

Canopy Lifting

Wires are up

Canopy & Crown Density (thinning requirements)

Some dense crowns (image 3)

Leaf Colour

Good

Leaf Loss (shading or stress)

No

Watershoot Growth

Trained for rejuvenation (image 3)

Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition

Medium size bunches (image 2),

medium to high density- some

blind budding (image 5)

Frost or Cold Damage

No

Pest, Disease & Nutrition

Powdery Mildew

0

Downy Mildew (oil spots or active infection)

1

Downy Mildew (old infection)

1

Botrytis (leaf or bunch)

No

LBAM (webbing / moths / eggs / caterpillars)

Not sighted

Scale (adults, eggs, crawlers)

Not sighted

Snails

Dead snails (image 8)

Mites

Not sighted

Weevils

Not sighted

Eutypa

Not showing up on the canes

Diaporthe

No

Phomopsis

No

Nutrient Deficiency / Toxicity

No

Beneficials

Not sighted

Notes

Some active Downy Mildew (images 6 & 7 front and back) every 200 vines. Spraying with Ridomil in progress.

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation

Good

Irrigation System (Leaks, blocked emitters etc.)

N/a

Weed Growth (vine rows)

Sprayed- mostly clean (image 3), some blackberry (image 4).

Weed Growth (mid rows)

Some broadleaf

Sward Length (rows / headlands)

30 cm

Broken Posts (intermediate, strainers)

N/a

Broken Wires

N/a



P&D Monitoring Report Tunnel Hill 2022-23

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Photos





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VITICULTURE

Summary

Date

23/12/2022

Monitored By

Alex Mills

Vineyard Summary

All varieties are through or almost through flowering and into fruitset, and with some warmer weather there is good vigour with a medium to high density of medium size bunches in the Pinot, a medium density of medium size bunches in other varieties. Previous wet conditions and warm nights have provided conditions for Downy Mildew and some has been sighted in blocks 7,8,9 and 5c. Snails are less active and with baiting there are very few live snails on or near vines and many dead.

Signature

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

GPS Location



VITICULTURE

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Vineyard Map