

# P&D Monitoring Report Tunnel Hill 2021-22

## Summary

**Date**  
06/01/2022

**Monitored By**  
Alex Mills

### Vineyard Summary

*Generally good fruitset with a medium density of medium size bunches. Some hen and chicken in the Pinot. Some dense canopies and crowns would benefit from leaf plucking/trimming/hedging. Some weevils, scale and common white snails sighted but no urgent pest and disease issues.*



*Looking over block 6 Merlot to block 5*



*Looking over block 2 Cabernet to blocks 8 and 9*



*Block 2 Cabernet fruit zone.*

### GPS Location

Author of this report is Group Logistics Pty Limited and its employees.

Disclaimer: Any suggestions provided are advise only. As no control can be exercised over weather, plant or soil conditions before, during or after the publishing of this report (all of which may affect the seasonal outcome) no responsibility for, or liability for any failure in performance, losses, damages, injuries (consequential or otherwise) arising will be accepted under any circumstances whatsoever. All program suggestions are based on previous experience with similar crops and soil conditions and are made in good faith.

## Block 1 Merlot

### Vine Growth / Canopy & Crop

**EL Stage**  
31  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
100 x 70 cm  
**Canopy Lifting**  
Wires lifted  
**Canopy & Crown Density (thinning requirements)**  
Some dense crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
No  
**Watershoot Growth**  
Some heavy watershoot growth  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Medium size bunches, light density, some gaps, some blind budding.  
**Frost or Cold Damage**  
No  
**Notes**  
Watershoots need to be flagged/ removed

### 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 common white snails  
**Mites**  
No  
**Weevils**  
Not sighted  
**Eutypa**  
No showing up on the canes  
**Diaporthe**  
No  
**Phomopsis**  
No  
**Nutrient Deficiency / Toxicity**  
No  
**Beneficials**  
Wasps

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

**Soil Moisture / Cracks, Recent Irrigation / Precipitation**  
Ok, drying out.  
**Irrigation System (Leaks, blocked emitters etc.)**  
N/a  
**Weed Growth (vine rows)**  
Some grass and broadleaf including thistle  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Block 3 Sangiovese

### Vine Growth / Canopy & Crop

**EL Stage**  
32  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
100 x 70 cm  
**Canopy Lifting**  
First 12 rows lifted, the rest needs doing.  
**Canopy & Crown Density (thinning requirements)**  
Some dense crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
No  
**Watershoot Growth**  
Flagged/removed  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Medium size bunches, light 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)**  
No  
**Snails**  
No  
**Mites**  
No  
**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 with recent rain and fertigation  
**Irrigation System (Leaks, blocked emitters etc.)**  
N/a  
**Weed Growth (vine rows)**  
Some grass and broadleaf including blackberry  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Blocks 2 & 4a Cabernet Sauvignon

### Vine Growth / Canopy & Crop

**EL Stage**  
31  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
100 x 60 cm  
**Canopy Lifting**  
First lift done  
**Canopy & Crown Density (thinning requirements)**  
Some dense crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
No  
**Watershoot Growth**  
Some heavy watershoot growth  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Medium size bunches, light to 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**  
Some common white snails  
**Mites**  
No  
**Weevils**  
Signs of weevil damage (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)**  
Some grass and broadleaf including blackberry, thistle.  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Block 4b Shiraz

### Vine Growth / Canopy & Crop

**EL Stage**  
32  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
90 x 60 cm  
**Canopy Lifting**  
First lift done  
**Canopy & Crown Density (thinning requirements)**  
Some dense crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
Some  
**Watershoot Growth**  
Some heavy watershoot growth  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Generally medium size bunches, 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)**  
Some  
**Snails**  
Some common white snails  
**Mites**  
No  
**Weevils**  
Some I  
**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**  
Ok, drying out  
**Irrigation System (Leaks, blocked emitters etc.)**  
N/a  
**Weed Growth (vine rows)**  
Some grass and broadleaf including blackberry, thistle.  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Block 5a Sauvignon Blanc

### Vine Growth / Canopy & Crop

**EL Stage**  
31  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
100 x 70 cm  
**Canopy Lifting**  
Wires lifted  
**Canopy & Crown Density (thinning requirements)**  
Some dense canopy and crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
Some  
**Watershoot Growth**  
Some heavy watershoot growth  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Small to medium size bunches, medium to 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**  
No  
**Weevils**  
Signs of damage, not sighted.  
**Eutypa**  
Some  
**Diaporthe**  
No  
**Phomopsis**  
No  
**Nutrient Deficiency / Toxicity**  
No  
**Beneficials**  
Not sighted

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

**Soil Moisture / Cracks, Recent Irrigation / Precipitation**  
Ok, drying out.  
**Irrigation System (Leaks, blocked emitters etc.)**  
N/a  
**Weed Growth (vine rows)**  
Some grass and broadleaf  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Blocks 5b & 5c Shiraz

### Vine Growth / Canopy & Crop

**EL Stage**  
31  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
90 x 60 cm  
**Canopy Lifting**  
Wires lifted  
**Canopy & Crown Density (thinning requirements)**  
Generally light density.  
**Leaf Colour**  
Generally ok, some patches with light colouring.  
**Leaf Loss (shading or stress)**  
Some  
**Watershoot Growth**  
Some heavy patches  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Medium size bunches, light 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**  
No  
**Weevils**  
Not sighted  
**Eutypa**  
No  
**Diaporthe**  
No  
**Phomopsis**  
No  
**Nutrient Deficiency / Toxicity**  
Some signs - salt?  
**Beneficials**  
Not sighted

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

**Soil Moisture / Cracks, Recent Irrigation / Precipitation**  
Ok, drying out.  
**Irrigation System (Leaks, blocked emitters etc.)**  
N/a  
**Weed Growth (vine rows)**  
Grass and broadleaf  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Block 6 Merlot

### Vine Growth / Canopy & Crop

**EL Stage**  
31  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
90 x 70 cm  
**Canopy Lifting**  
First lift done  
**Canopy & Crown Density (thinning requirements)**  
Dense canopy and crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
No  
**Watershoot Growth**  
Heavy watershoot growth  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Generally medium size bunches, 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**  
No  
**Weevils**  
Not sighted  
**Eutypa**  
Some patches  
**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)**  
Some grass and broadleaf including thistle  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a



## Blocks 7, 8 & 9 Pinot Noir

### Vine Growth / Canopy & Crop

**EL Stage**  
32  
**Tip Growth**  
Strong  
**Canopy Height x Width (av. - cm)**  
100 x 70 cm  
**Canopy Lifting**  
Lifted  
**Canopy & Crown Density (thinning requirements)**  
Some dense crowns  
**Leaf Colour**  
Good  
**Leaf Loss (shading or stress)**  
No  
**Watershoot Growth**  
Some heavy watershoot growth  
**Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition**  
Medium size bunches, medium density, some hen and chicken.  
**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**  
Not sighted, some signs of damage.  
**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)**  
Some grass and broadleaf including blackberry, thistle.  
**Weed Growth (mid rows)**  
Some broadleaf  
**Sward Length (rows / headlands)**  
Slashed  
**Broken Posts (intermediate, strainers)**  
N/a  
**Broken Wires**  
N/a

## Images



*Merlot 6 fruit zone*



*Merlot 6 some dense crowns, heavy watershoot growth, fairly clean undervine, some thistle, midrows slashed.*



*Merlot 1 common white snail*



*Merlot 1 some some dense crowns, heavy watershoot growth, undervine weeds, midrows slashed.*



*Block 2 Sangiovese watershoots flagged/removed, fairly clean undervine, midrows slashed.*



*Sangiovese bunches some hen and chicken*



*Block 2 Cabernet some dense crowns, heavy watershoot growth, undervine weeds including blackberry, midrows slashed.*



*Common White Snail block 2 Cabernet*



*Weevil damage? block 2 Cabernet (not sighted)*



*Weevil damage block 4b Shiraz (not sighted)*



*Scale block 4b Shiraz*



*Block 4b Shiraz some dense crowns, watershoots, undervine weeds, midrows slashed.*



*Weevil block 4b Shiraz*



*Block 4A Sauvignon Blanc some dense canopy and crowns, watershoot, undervine weeds, midrows slashed*



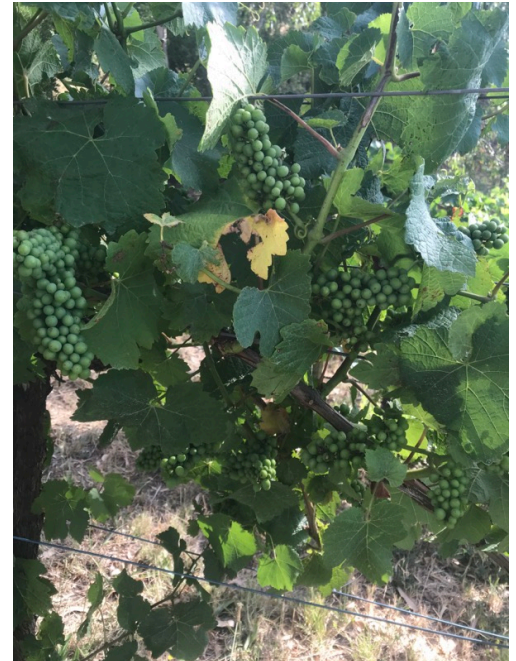
*Block 5b Shiraz deficiency/toxicity symptoms? Salt?*



*Block 7 Pinot some hen and chicken*



*Block 8 Pinot some dense crowns, undervine weeds, heavy watershoot growth, midrows slashed.*



*Block 7 Pinot bunch zone*

## Tunnel Hill Vineyard Map

