



Tunnel Hill Vineyard

P&D Monitoring Report 2020-21

Block 1 Merlot

Date	<u>Pest, Disease & Nutrition</u>	<u>Soil, Irrigation, Sward</u>
14/10/2020	Powdery Mildew	Soil Moisture / Cracks
Monitored by:	0	Wet
Brenton Willsmore	Downy Mildew (oil spots or active infection)	Recent Irrigation / Precipitation
<u>Vine Growth / Canopy & Crop</u>	0	Rain
EL Stage	Downy Mildew (old infection)	Weed Growth (vine rows)
9	0	Minimal
Tip Growth	Diaporthe	Weed Growth (mid rows)
Starting	0	Minimal
Canopy Height (av. - cm)	Phomopsis	Sward Length (rows / headlands)
4	0	Short
Canopy Width (av. - cm)	Botrytis (leaf)	<u>Trellis, General Vineyard</u>
0	0	Broken Posts (intermediate, strainers)
Canopy Density (thinning requirements)	Botrytis (bunch)	Yes
0	0	Broken Wires
Crown Density (thinning requirements)	Mites	Yes
0	0	General Block Condition
Leaf Colour	Snails	Lots of broken wires
Light green	<1	
Canopy Lifting	Scale (adults)	
No	0	
Leaf Loss (shading or stress)	Scale (eggs)	
No	<1	
Watershoot Growth	Scale (crawlers)	
No	0	
Fruit / Inflorescence Density, Overcropping	LBAM (webbing / moths / eggs / caterpillars)	
No	Nil	
Inflorescence / Bunch Condition & Size	Weevils	
Nil	<1	



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Block 2 Cabernet Sauvignon

Date	<u>Pest, Disease & Nutrition</u>	<u>Soil, Irrigation, Sward</u>
14/10/2020	Powdery Mildew	Soil Moisture / Cracks
Monitored by:	0	Wet
Brenton Willsmore	Downy Mildew (oil spots or active infection)	Recent Irrigation / Precipitation
<u>Vine Growth / Canopy & Crop</u>	0	Rain
EL Stage	Downy Mildew (old infection)	Weed Growth (vine rows)
12	0	Minimal
Tip Growth	0	Weed Growth (mid rows)
Started	Diaporthe	Minimal
Canopy Height (av. - cm)	0	Sward Length (rows / headlands)
10	Phomopsis	Short
Canopy Width (av. - cm)	0	<u>Trellis, General Vineyard</u>
0	Botrytis (leaf)	Broken Posts (intermediate, strainers)
Canopy Density (thinning requirements)	0	Yes
0	Botrytis (bunch)	Broken Wires
Crown Density (thinning requirements)	0	Yes
0	Mites	
Leaf Colour	0	
Light green	Snails	
Canopy Lifting	<1	
No	Scale (adults)	
Leaf Loss (shading or stress)	<1	
No	Scale (eggs)	
Watershoot Growth	0	
No	Scale (crawlers)	
Fruit / Inflorescence Density, Overcropping	0	
0	LBAM (webbing / moths / eggs / caterpillars)	
Inflorescence / Bunch Condition & Size	No	
0	Weevils	
	0	
	Eutypa	
	0	



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Block 3 Sangiovese

Date	<u>Pest, Disease & Nutrition</u>	<u>Soil, Irrigation, Sward</u>
14/10/2020	Powdery Mildew	Soil Moisture / Cracks
Monitored by:	0	Wet
Brenton Willsmore	Downy Mildew (oil spots or active infection)	Recent Irrigation / Precipitation
<u>Vine Growth / Canopy & Crop</u>	0	Rain
EL Stage	Downy Mildew (old infection)	Weed Growth (vine rows)
12	0	No
Tip Growth	Diaporthe	Weed Growth (mid rows)
New	0	Minimal
Canopy Height (av. - cm)	Phomopsis	Sward Length (rows / headlands)
10	0	Short
Canopy Width (av. - cm)	Botrytis (leaf)	<u>Trellis, General Vineyard</u>
0	0	Broken Posts (intermediate, strainers)
Canopy Density (thinning requirements)	Botrytis (bunch)	Yes
0	0	Broken Wires
Crown Density (thinning requirements)	Mites	Yes
0	0	
Leaf Colour	Snails	
Light green	<1	
Canopy Lifting	Scale (adults)	
No	0	
Leaf Loss (shading or stress)	Scale (eggs)	
No	0	
Watershoot Growth	Scale (crawlers)	
No	0	
Fruit / Inflorescence Density, Overcropping	LBAM (webbing / moths / eggs / caterpillars)	
0	No	
Inflorescence / Bunch Condition & Size	Weevils	
0	0	
	Eutypa	
	1	



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Block 4a Cabernet Sauvignon

Date	<u>Pest, Disease & Nutrition</u>	<u>Soil, Irrigation, Sward</u>
14/10/2020	Powdery Mildew	Soil Moisture / Cracks
Monitored by:	0	Wet
Brenton Willsmore	Downy Mildew (oil spots or active infection)	Recent Irrigation / Precipitation
<u>Vine Growth / Canopy & Crop</u>	0	Rain
EL Stage	Downy Mildew (old infection)	Weed Growth (vine rows)
12	0	Minimal
Tip Growth	Diaporthe	Weed Growth (mid rows)
Yes	0	Minimal
Canopy Height (av. - cm)	Phomopsis	Sward Length (rows / headlands)
10	0	Short
Canopy Width (av. - cm)	0	<u>Trellis, General Vineyard</u>
0	Botrytis (leaf)	Broken Posts (intermediate, strainers)
Canopy Density (thinning requirements)	0	Yes
0	Botrytis (bunch)	Broken Wires
Crown Density (thinning requirements)	0	Yes
0	Mites	
Leaf Colour	0	
Light Green	Snails	
Canopy Lifting	<1	
No	Scale (adults)	
Leaf Loss (shading or stress)	0	
No	Scale (eggs)	
Watershoot Growth	0	
No	Scale (crawlers)	
Fruit / Inflorescence Density, Overcropping	0	
0	LBAM (webbing / moths / eggs / caterpillars)	
Inflorescence / Bunch Condition & Size	No	
0	Weevils	
	0	
	Eutypa	



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0

Block 4b Shiraz

Date	<u>Pest, Disease & Nutrition</u>	<u>Soil, Irrigation, Sward</u>
14/10/2020	Powdery Mildew	Soil Moisture / Cracks
Monitored by:	0	Wet
Brenton Willsmore	Downy Mildew (oil spots or active infection)	Recent Irrigation / Precipitation
<u>Vine Growth / Canopy & Crop</u>	0	Rain
EL Stage	Downy Mildew (old infection)	Weed Growth (vine rows)
12	0	Minimal
Tip Growth	Diaporthe	Weed Growth (mid rows)
Yes	0	Minimal
Canopy Height (av. - cm)	Phomopsis	Sward Length (rows / headlands)
10	0	Short
Canopy Width (av. - cm)	Botrytis (leaf)	<u>Trellis, General Vineyard</u>
0	0	Broken Posts (intermediate, strainers)
Canopy Density (thinning requirements)	Botrytis (bunch)	Yes
0	0	Broken Wires
Crown Density (thinning requirements)	Mites	Yes
0	0	
Leaf Colour	Snails	
Green	<1	
Canopy Lifting	Scale (adults)	
No	0	
Leaf Loss (shading or stress)	Scale (eggs)	
No	0	
Watershoot Growth	Scale (crawlers)	
No	0	
Fruit / Inflorescence Density, Overcropping	LBAM (webbing / moths / eggs / caterpillars)	
0	No	
Inflorescence / Bunch Condition & Size		
0		



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Weevils

0

Eutypa

0

Block 5a Sauvignon Blanc

Date

14/10/2020

Monitored by:

Brenton Willsmore

Vine Growth / Canopy & Crop

EL Stage

11

Tip Growth

No

Canopy Height (av. - cm)

4

Canopy Width (av. - cm)

0

Canopy Density (thinning requirements)

0

Crown Density (thinning requirements)

0

Leaf Colour

Light green

Canopy Lifting

No

Leaf Loss (shading or stress)

No

Watershoot Growth

No

Fruit / Inflorescence Density, Overcropping

Pest, Disease & Nutrition

Powdery Mildew

0

Downy Mildew (oil spots or active infection)

0

Downy Mildew (old infection)

0

Diaporthe

0

Phomopsis

0

Botrytis (leaf)

0

Botrytis (bunch)

0

Mites

0

Snails

0

Scale (adults)

0

Scale (eggs)

0

Scale (crawlers)

0

Soil, Irrigation, Sward

Soil Moisture / Cracks

Extremely wet

Recent Irrigation / Precipitation

Rain

Weed Growth (vine rows)

Yes

Weed Growth (mid rows)

Yes

Sward Length (rows / headlands)

Medium

Notes / Other

This block is very, very wet. Having trouble accessing the block due to waterlogged soil.

Trellis, General Vineyard

Broken Posts (intermediate, strainers)

Yes

Broken Wires

Yes

General Block Condition

Wet , muddy and boggy soil.



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Inflorescence / Bunch Condition & Size
 LBAM (webbing / moths / eggs / caterpillars)
 No
 Weevils
 0
 Eutypa
 0

Blocks 5b & 5c Shiraz

Date
 14/10/2020
Monitored by:
 Brenton Willsmore
Vine Growth / Canopy & Crop
EL Stage
 7
Tip Growth
 Yes
Canopy Height (av. - cm)
 2
Canopy Width (av. - cm)
 0
Canopy Density (thinning requirements)

Crown Density (thinning requirements)

Leaf Colour
 Green
Canopy Lifting
 No
Leaf Loss (shading or stress)
 No

Pest, Disease & Nutrition

Powdery Mildew
 0
Downy Mildew (oil spots or active infection)
 0
Downy Mildew (old infection)
 0
Diaporthe
 0
Phomopsis
 0
Botrytis (leaf)
 0
Botrytis (bunch)
 0
Mites
 0
Snails
 0
Scale (adults)
 0
Scale (eggs)

Soil, Irrigation, Sward

Soil Moisture / Cracks
 Very wet
Recent Irrigation / Precipitation
 Rain
Weed Growth (vine rows)
 Minimal
Weed Growth (mid rows)
 Yes
Sward Length (rows / headlands)
 Short

Trellis, General Vineyard

Broken Posts (intermediate, strainers)
 Yes
Broken Wires
 Yes
General Block Condition
 Very, very wet. Neighbours dam over flows into this block. The block needs some sort of drainage system to remove the excess water.



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Watershoot Growth	0
No	Scale (crawlers)
Fruit / Inflorescence Density, Overcropping	0
0	LBAM (webbing / moths / eggs / caterpillars)
Inflorescence / Bunch Condition & Size	No
0	Weevils
	0
	Eutypa
	0

Block 6 Merlot

Date
06/11/2020

Monitored by:
Brenton Willsmore

Vine Growth / Canopy & Crop

EL Stage
9

Tip Growth
Yes

Canopy Height (av. - cm)
4

Canopy Width (av. - cm)
0

Canopy Density (thinning requirements)
0

Crown Density (thinning requirements)
0

Leaf Colour
Light green

Canopy Lifting

Pest, Disease & Nutrition

Powdery Mildew
0

Downy Mildew (oil spots or active infection)
0

Downy Mildew (old infection)
0

Diaporthe
0

Phomopsis
0

Botrytis (leaf)
0

Botrytis (bunch)
0

Mites
0

Snails
<1

Soil, Irrigation, Sward

Soil Moisture / Cracks
wet

Recent Irrigation / Precipitation
Yes

Weed Growth (vine rows)
Yes

Weed Growth (mid rows)
Yes

Sward Length (rows / headlands)
Short

Trellis, General Vineyard

Broken Posts (intermediate, strainers)
Yes

Broken Wires
Yes



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No	Scale (adults)
Leaf Loss (shading or stress)	0
No	Scale (eggs)
Watershoot Growth	0
No	Scale (crawlers)
Fruit / Inflorescence Density, Overcropping	0
No	LBAM (webbing / moths / eggs / caterpillars)
Inflorescence / Bunch Condition & Size	No
No	Weevils
	0
	Eutypa
	<1

Blocks 7, 8 & 9 Pinot Noir

Date	<u>Pest, Disease & Nutrition</u>	<u>Soil, Irrigation, Sward</u>
06/11/2020	Powdery Mildew	Soil Moisture / Cracks
Monitored by:	0	Wet
Brenton Willsmore	Downy Mildew (oil spots or active infection)	Recent Irrigation / Precipitation
<u>Vine Growth / Canopy & Crop</u>	0	Yes
EL Stage	Downy Mildew (old infection)	Weed Growth (vine rows)
12	0	Minimal
Tip Growth	Diaporthe	Weed Growth (mid rows)
Fresh	0	Minimal
Canopy Height (av. - cm)	Phomopsis	Sward Length (rows / headlands)
10	0	Short
Canopy Width (av. - cm)	Botrytis (leaf)	<u>Trellis, General Vineyard</u>
0	0	Broken Posts (intermediate, strainers)
Canopy Density (thinning requirements)	Botrytis (bunch)	Yes
0	0	Broken Wires
Crown Density (thinning requirements)	Mites	Yes
0		



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Leaf Colour	0
Med green	Snails
Canopy Lifting	<1
No	Scale (adults)
Leaf Loss (shading or stress)	0
No	Scale (eggs)
Watershoot Growth	0
Yes	Scale (crawlers)
Fruit / Inflorescence Density, Overcropping	0
0	LBAM (webbing / moths / eggs / caterpillars)
Inflorescence / Bunch Condition & Size	No
0	Weevils
	0
	Eutypa
	1