

P&D Monitoring Report Tunnel Hill 2021-22

Summary

Date
23/02/2022

Monitored By
Alex Mills

Vineyard Summary

All varieties are well into veraison with generally a light to medium density of small to medium bunches. Some hen and chicken in the Pinot and some secondary crop will impact yield and evenness of ripening. Some active Downy Mildew, mostly in the tips, not spreading into the resistant covered canopy.



Looking over block 4 to block 5



Looking over block 2 to blocks 7,8,9.



Block 4A Cabernet bunch 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
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
100 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Dense canopy lightened by trimming
Leaf Colour
Good
Leaf Loss (shading or stress)
Some
Watershoot Growth
Some watershoots
Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
Medium to large bunches, medium density.
Frost or Cold Damage
No

Pest, Disease & Nutrition

Powdery Mildew
0
Downy Mildew (oil spots or active infection)
2
Downy Mildew (old infection)
2
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
Not showing up on the canes
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
No
Beneficials
Not sighted
Notes
Some Downy Mildew on the tips of shoots, only slightly active.

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 heavy undervine weed growth
Weed Growth (mid rows)
Some broadleaf
Sward Length (rows / headlands)
50 cm
Broken Posts (intermediate, strainers)
N/a
Broken Wires
N/a

Block 3 Sangiovese

Vine Growth / Canopy & Crop

EL Stage
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
90 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Light canopy
Leaf Colour
Good
Leaf Loss (shading or stress)
Some
Watershoot Growth
Watershoots flagged/removed
Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
Small to medium size bunches, light density.
Frost or Cold Damage
No

Pest, Disease & Nutrition

Powdery Mildew
0
Downy Mildew (oil spots or active infection)
2
Downy Mildew (old infection)
2
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
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
No
Beneficials
Not sighted

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation
Drying
Irrigation System (Leaks, blocked emitters etc.)
N/a
Weed Growth (vine rows)
Some undervine weeds including blackberry
Weed Growth (mid rows)
Some broadleaf including blackberry
Sward Length (rows / headlands)
20 cm
Broken Posts (intermediate, strainers)
N/a
Broken Wires
N/a

Blocks 2 & 4a Cabernet Sauvignon

Vine Growth / Canopy & Crop

EL Stage
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
90 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Fairly light canopy
Leaf Colour
Good
Leaf Loss (shading or stress)
Some
Watershoot Growth
Some heavy watershoot growth
Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
Medium size bunches, medium to light density.
Frost or Cold Damage
No

Pest, Disease & Nutrition

Powdery Mildew
0
Downy Mildew (oil spots or active infection)
2
Downy Mildew (old infection)
2
Botrytis (leaf or bunch)
No
LBAM (webbing / moths / eggs / caterpillars)
Not sighted
Scale (adults, eggs, crawlers)
Not sighted
Snails
Not sighted
Mites
No
Weevils
Some signs of damage, not sighted.
Eutypa
Not showing up on the canes
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
No
Beneficials
Not sighted
Notes
Some slightly active Downy Mildew on the tips of shoots

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation
Ok, drying.
Irrigation System (Leaks, blocked emitters etc.)
N/a
Weed Growth (vine rows)
Some dense undervine weeds including blackberry
Weed Growth (mid rows)
Some broadleaf
Sward Length (rows / headlands)
20 cm
Broken Posts (intermediate, strainers)
N/a
Broken Wires
N/a

Block 4b Shiraz

Vine Growth / Canopy & Crop

EL Stage
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
100 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Trimming has lightened dense canopy
Leaf Colour
Good
Leaf Loss (shading or stress)
Some
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)
2
Downy Mildew (old infection)
2
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
Not showing up on the canes
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
No
Beneficials
Not sighted
Notes
Some slightly active Downy Mildew on the tips of shoots

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation
Ok, drying.
Irrigation System (Leaks, blocked emitters etc.)
N/a
Weed Growth (vine rows)
Some dense undervine weeds including blackberry
Weed Growth (mid rows)
Some broadleaf including blackberry
Sward Length (rows / headlands)
20 cm
Broken Posts (intermediate, strainers)
N/a
Broken Wires
N/a

Block 5a Sauvignon Blanc

Vine Growth / Canopy & Crop

EL Stage
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
100 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Some dense canopy
Leaf Colour
Generally good, some pale.
Leaf Loss (shading or stress)
Some
Watershoot Growth
Some heavy watershoot growth
Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
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
Covered by canopy
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
Some leaf paling, fringe burn
Beneficials
Not sighted

Soil, Irrigation, Sward, Trellis, Other

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

Blocks 5b & 5c Shiraz

Vine Growth / Canopy & Crop

EL Stage
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
90 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Generally light canopy
Leaf Colour
Good
Leaf Loss (shading or stress)
Some
Watershoot Growth
Some watershoots
Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
Small to 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
Not sighted
Mites
No
Weevils
Not sighted
Eutypa
No
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
Some signs of deficiency/toxicity salt? Pale leaves fringe browning-not widespread.
Beneficials
Not sighted

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation
Ok, drying.
Irrigation System (Leaks, blocked emitters etc.)
N/a
Weed Growth (vine rows)
Some heavy undervine weed growth
Weed Growth (mid rows)
Some broadleaf
Sward Length (rows / headlands)
60 cm
Broken Posts (intermediate, strainers)
N/a
Broken Wires
N/a

Block 6 Merlot

Vine Growth / Canopy & Crop

EL Stage
35
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
90 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Dense canopy lightened by trimming
Leaf Colour
Good
Leaf Loss (shading or stress)
Some
Watershoot Growth
Some heavy watershoot growth
Fruit / Inflorescence Density, Overcropping, Bunch Size & Condition
Medium size bunches, medium density
Frost or Cold Damage
No

Pest, Disease & Nutrition

Powdery Mildew
0
Downy Mildew (oil spots or active infection)
2
Downy Mildew (old infection)
2
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
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
No
Beneficials
Not sighted
Notes
Some slightly active Downy Mildew on the tips of shoots, not spreading into spray covered canopy.

Soil, Irrigation, Sward, Trellis, Other

Soil Moisture / Cracks, Recent Irrigation / Precipitation
Ok, drying
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)
20 cm
Broken Posts (intermediate, strainers)
N/a
Broken Wires
N/a

Blocks 7, 8 & 9 Pinot Noir

Vine Growth / Canopy & Crop

EL Stage
36
Tip Growth
Slowing
Canopy Height x Width (av. - cm)
90 x 70 cm
Canopy Lifting
Lifted
Canopy & Crown Density (thinning requirements)
Some dense crowns, lightened by trimming
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, light to medium density, some hen and chicken, some secondary crop.
Frost or Cold Damage
No

Pest, Disease & Nutrition

Powdery Mildew
0
Downy Mildew (oil spots or active infection)
2
Downy Mildew (old infection)
2
Botrytis (leaf or bunch)
No
LBAM (webbing / moths / eggs / caterpillars)
Not sighted
Scale (adults, eggs, crawlers)
Not sighted
Snails
Not sighted
Mites
No
Weevils
Some signs of damage, not sighted.
Eutypa
Not showing up on the canes
Diaporthe
No
Phomopsis
No
Nutrient Deficiency / Toxicity
No
Beneficials
Dragonflies
Notes
Some Downy Mildew on the tips of shoots, fairly widespread in block 7 but not spreading into the spray covered canopy at this stage, only the odd infected leaf in blocks 8 & 9

Soil, Irrigation, Sward, Trellis, Other

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

Images



Bl 1 Merlot bunch zone



Block 1 Merlot some dense canopy lightened by trimming, some watershoots, heavy undervine weed growth, midrow sward to 50 cm.



Bl 3 Sangiovese Downy Mildew slightly active



Block 3 bunch zone



Block 3 light canopy, watershoots flagged/removed, some undervine weeds including blackberry, light midrow sward.



Bl 2 Cabernet bunch zone



Block 2 Cabernet fairly light canopy, some heavy watershoot growth, some dense undervine weeds including blackberry.



Downy Mildew block 4A Cabernet slightly active



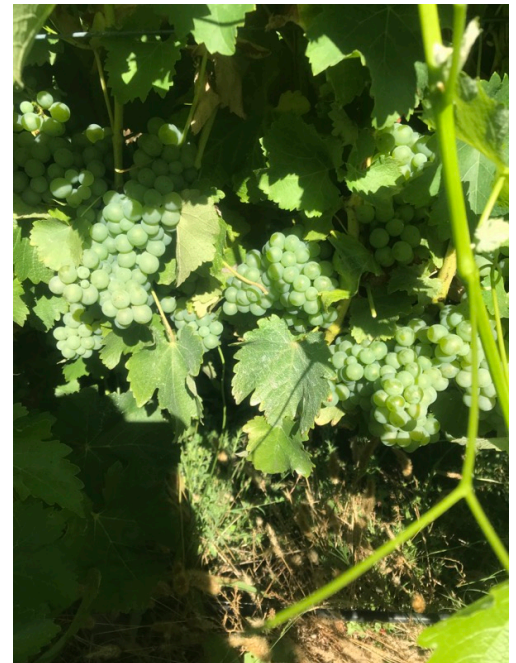
4B Shiraz bunch zone



Block 4b Shiraz dense canopy lightened by trimming, some heavy watershoot growth, some heavy undervine weeds including blackberry, light midrow sward.



Slightly active Downy Mildew block 4b



Bunch zone 5a Sauvignon Blanc



Block 5a Sauvignon Blanc some dense canopy, some heavy watershoot growth, undervine grass, light midrow sward.



5b Shiraz bunch zone



Downy Mildew block 9 only very slightly active



Downy Mildew block 8 slightly active



Pinot block 8 bunch zone, some secondary crop.



Downy Mildew block 7 Pinot slightly active

Tunnel Hill Vineyard Map

