

First Harvest Feedback 2019! #1

MCC Results, Chardonnay & Pinot Noir

22 January 2019

Cultivar analysis per region, showing the Maximum, Minimum and Average result for each parameter.

Data shown in Table below



Purpose of the table:

- To give you, the winemaker, feedback on sample data for Chardonnay and Pinot Noir as indication of what to expect this Harvest Season.
- You can compare your results with the data we collected depending on the specific region.
- You will be regularly updated through the harvest season, where we hope to help you predict fermentation problems that might surface.

Data will be collected every week, to give you a regular update.



Table consisting of Maximum, Minimum and the Average results of Chardonnay and Pinot Noir, per origin, collected from 1 to 18 January 2019

| CULTIVAR | ORIGIN | | AVERAGE PER PARAMETER | | | | | | | | | |
|--------------|--------------|-------|-----------------------|--------------------|--------------------|------------|--------|---------------|--------|---------|----------|---------------|
| | | | Balling | pH (Winescan) * | TA (Winescan) * | Malic Acid | NOPA | Ammonia (NH4) | YAN | Glucose | Fructose | Potassium (K) |
| Chardonnay | Bonnievale | AVG | 20.10 | 3.12 | 9.56 | 4.27 | 121.00 | 124.00 | 245.00 | 107.60 | 107.57 | 1503.74 |
| | Franschhoek | MAX | 19.99 | 3.11 | 9.32 | 4.53 | 205.00 | 132.00 | 337.00 | 103.02 | 107.13 | 1214.86 |
| | | MIN | 17.04 | 2.99 | 12.92 | 7.02 | 228.00 | 180.00 | 408.00 | 82.20 | 77.85 | 1089.42 |
| | | AVG | 18.41 | 3.09 | 11.52 | 6.30 | 194.13 | 140.54 | 334.67 | 93.44 | 90.00 | 1346.95 |
| | Overberg | AVG | 18.59 | 2.98 | 13.14 | 6.83 | 148.00 | 130.00 | 278.00 | 95.78 | 94.40 | 1274.46 |
| | Paarl | MAX | 19.77 | 3.06 | 11.69 | 6.21 | 189.00 | 125.00 | 314.00 | 105.74 | 101.34 | 1396.56 |
| | | MIN | 17.79 | 3.14 | 8.85 | 3.91 | 113.00 | 113.00 | 226.00 | 84.72 | 89.29 | 1199.91 |
| | | AVG | 18.58 | 3.02 | 12.29 | 6.33 | 164.50 | 141.50 | 306.00 | 88.86 | 92.65 | 1305.04 |
| | Robertson | MAX | 19.55 | 3.18 | 10.01 | 5.55 | 199.00 | 126.00 | 325.00 | 100.20 | 100.81 | 1427.15 |
| | | MIN | 18.90 | 3.07 | 12.77 | 7.22 | 202.00 | 126.00 | 328.00 | 100.42 | 95.13 | 1574.76 |
| | | AVG | 19.06 | 3.15 | 11.16 | 6.43 | 207.33 | 131.00 | 338.33 | 98.95 | 96.64 | 1469.48 |
| | Stellenbosch | MAX | 21.87 | 3.10 | 9.36 | 3.88 | 128.00 | 82.00 | 210.00 | 118.96 | 116.52 | 1473.67 |
| | | MIN | 17.05 | 2.98 | 15.55 | 8.56 | 190.00 | 187.00 | 377.00 | 80.83 | 77.65 | 1380.76 |
| | | AVG | 19.17 | 3.05 | 11.47 | 5.76 | 140.63 | 112.84 | 253.47 | 98.64 | 95.15 | 1388.35 |
| | Swartland | AVG | 21.79 | 3.14 | 9.53 | 4.19 | 149.00 | 90.00 | 239.00 | 117.04 | 114.91 | 1642.01 |
| | Walkerbay | AVG | 18.84 | 2.93 | 14.12 | 7.54 | 128.00 | 107.00 | 235.00 | 95.38 | 94.31 | 1243.23 |
| | Wellington | MAX | 22.61 | 3.30 | 6.24 | 3.17 | 160.00 | 83.00 | 243.00 | 123.54 | 127.34 | 1229.92 |
| | | MIN | 20.18 | 3.25 | 8.74 | 4.59 | 168.00 | 115.00 | 283.00 | 107.96 | 107.38 | 1289.56 |
| AVG | | 21.40 | 3.28 | 7.49 | 3.88 | 164.00 | 99.00 | 263.00 | 115.75 | 117.36 | 1259.74 | |
| Western Cape | MAX | 22.61 | 3.30 | 6.24 | 3.17 | 160.00 | 83.00 | 243.00 | 123.54 | 127.34 | 1229.92 | |
| | MIN | 18.66 | 3.23 | 8.29 | 4.80 | 156.00 | 109.00 | 265.00 | 91.73 | 91.21 | 1360.60 | |
| | AVG | 20.14 | 3.16 | 9.86 | 5.39 | 154.00 | 107.00 | 261.00 | 108.22 | 103.57 | 1399.21 | |
| Pinot Noir | Elgin | AVG | 18.03 | 3.01 | 13.21 | 7.25 | 151.00 | 90.00 | 241.00 | 87.92 | 82.44 | 1699.16 |
| | Franschhoek | MAX | 20.08 | 3.01 | 10.39 | 5.18 | 125.00 | 82.00 | 207.00 | 108.50 | 101.32 | 1217.44 |
| | | MIN | 18.91 | 3.00 | 9.89 | 4.54 | 129.00 | 103.00 | 232.00 | 98.97 | 94.30 | 1221.68 |
| | | AVG | 19.42 | 3.08 | 10.20 | 5.30 | 139.20 | 92.80 | 232.00 | 103.70 | 97.64 | 1354.94 |
| | Paarl | MAX | 19.29 | 3.17 | 8.25 | 3.61 | 150.00 | 74.00 | 224.00 | 103.20 | 101.15 | 1475.43 |
| | | MIN | 17.93 | 3.27 | 7.11 | 3.77 | 101.00 | 81.00 | 182.00 | 87.60 | 85.77 | 1439.32 |
| | | AVG | 18.59 | 3.15 | 8.86 | 4.34 | 128.25 | 86.75 | 215.00 | 96.11 | 93.11 | 1402.14 |
| | Robertson | AVG | 19.31 | 3.22 | 7.44 | 3.78 | 183.00 | 108.00 | 291.00 | 97.71 | 100.47 | 1334.31 |
| | Stellenbosch | MAX | 22.49 | 3.20 | 9.24 | 4.68 | 132.00 | 70.00 | 202.00 | 128.87 | 115.86 | 1840.46 |
| | | MIN | 17.73 | 2.98 | 12.87 | 6.66 | 120.00 | 109.00 | 229.00 | 88.09 | 81.98 | 1213.65 |
| | | AVG | 18.86 | 3.08 | 11.45 | 6.34 | 146.22 | 101.30 | 247.52 | 96.15 | 91.46 | 1414.65 |
| | Western Cape | MAX | 19.15 | 3.11 | 11.02 | 6.17 | 76.00 | 66.00 | 142.00 | 104.95 | 95.32 | 1543.03 |
| MIN | | 17.15 | 3.36 | 8.59 | 4.84 | 269.00 | 185.00 | 454.00 | 85.62 | 69.27 | 2651.10 | |
| AVG | | 18.36 | 3.25 | 9.65 | 5.63 | 200.60 | 119.60 | 320.20 | 98.24 | 85.98 | 1839.21 | |



Feedback on Data



- High Total Acidity (TA) and low pH is seen for Chardonnay and Pinot Noir.
- Percentage Ammonia (NH₄) for Chardonnay is higher, than what we are normally used to, in relationship with the total YAN result.
- Percentage Ammonia (NH₄) for Pinot Noir is considered normal in relationship with the total YAN result.
- Apart from certain blocks, the relationship between glucose and fructose is balanced.
- When the NOPA fraction of the YAN is lower than the Ammonia fraction, it could lead to deficiencies in yeast nutrients. This in turn could lead to the production of H₂S during fermentation.

HELP US TO HELP YOU!

Send in your samples with as much detail as possible regarding the origin and cultivar (e.g. Western Cape doesn't give us any detail about your origin)

Watch the space! New update every week.

Log your samples online: <http://client.vinlab.com/Account/Login>
Visit our social media pages for updates during the Harvest Season!

Goodluck with Harvest Season 2019!

Regards
The Vinlab Team

