



Vine Mulch & Nitro Humus® - “A grape story”

General Details

Viticulturists and vineyard management contractors - benefits through continued use of Vine Mulch and Nitro Humus®

Application rates

- 70 – 105m³ / Ha according to objectives and requirements

2016 – Vine mulch : Nitro Humus® blend

- 105m³/Ha in June of Vine Mulch / Nitro Humus® blend

Application history

2016 – Nitro Humus®

- 70m³/Ha of Nitro Humus®, chosen by viticulturist for higher macro and micro nutrient properties and to improve soil structure and biology. Used on vines that required a higher nutrient input

2017 – Vine Mulch

- 105m³/Ha of Vine Mulch applied in July
 - A distinguished difference in health and vigor in the rows that had Nitro Humus® applied in the previous year
 - Dry period of weather saw vines that had Nitro Humus® applied recover quicker post rainfall event
- Vines that had Nitro Humus® applied in 2016 and Vine Mulch in 2017 had a sizable yield/Ha difference in the 2017 harvest period.
 - Grape yield without compost applications: 800kgs of grapes /Ha
 - Grape yield with compost applied: 1 tonne of grapes / Ha, a 25% increase
- Soil moisture is retained for longer periods of time - Water consumption has reduced and energy is being saved
- Vines with Vine Mulch applied ceased a requirement for glyphosphate herbicide applications – due to the weed suppression attributes of Vine Mulch, and selective Herbicide use has reduced by 50%
- Vines that had Vine Mulch and/or Nitro Humus® applied withstood an extended dry period event far better and recovered quicker when rain fell again

Observations and Quantifiable benefits

- Vine Mulch and/or Nitro Humus® applications are a staple annual or bi-annual farming practice in viticulture / vineyard management programs
- Using Vine Mulch and Nitro Humus® has provided quantifiable benefits in: harvest volumes, soil moisture retention, weed suppression, soil temperature regulation and soil health
- Vines now have a higher resilience and are less susceptible to pests and diseases,
- Using Vine Mulch and Nitro Humus® has directly attributed to vine health, in turn producing heavier/juicer grapes equating to greater productivity /Ha