



BAILEYS
of GLENROWAN



Organics at Baileys of Glenrowan

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BAILEYS
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My History

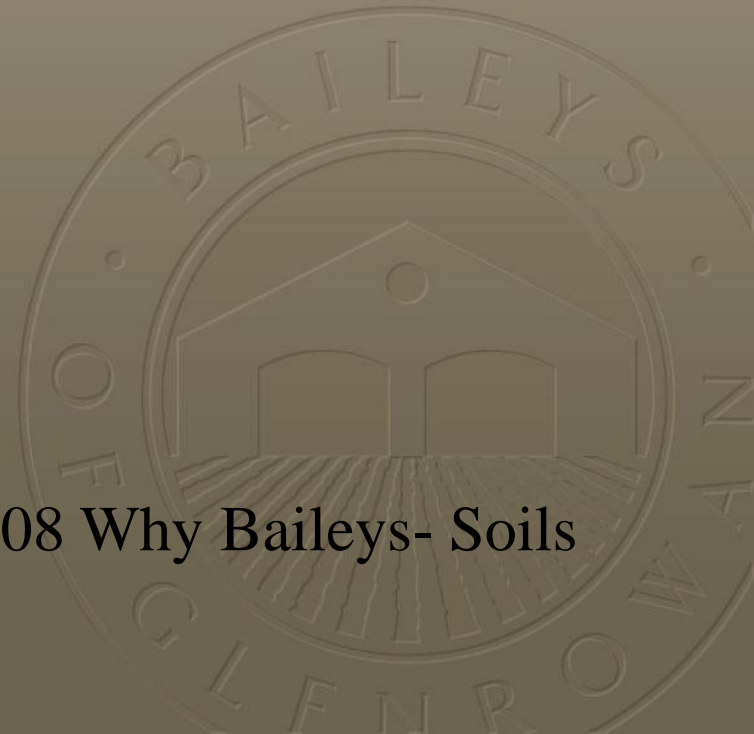
- Private Yarra, Hunter and North East
- Corporate North East
- Boom time Late 90's massive planting forced viticulture
- Around 2005 focus on quality, winemaking responsibilities
- Late 2008/2009 internal justification to convert.
- Why? Quality, return to roots, Est 1870 and historically farmed this way plus point of difference within TWE ideal location within TWE portfolio



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Baileys of Glenrowan

- Glenrowan – North East Victoria
- 143ha
 - CAS
 - DUR
 - Fortified
 - MER
 - NDA
 - SHI
- Organic since Dec 2008 Why Baileys- Soils + Climate



Organic Certification

- Certification pathway

V2009 Pre-certification



V2010 In-conversion



V2011 In-conversion



V2012 Certified organic

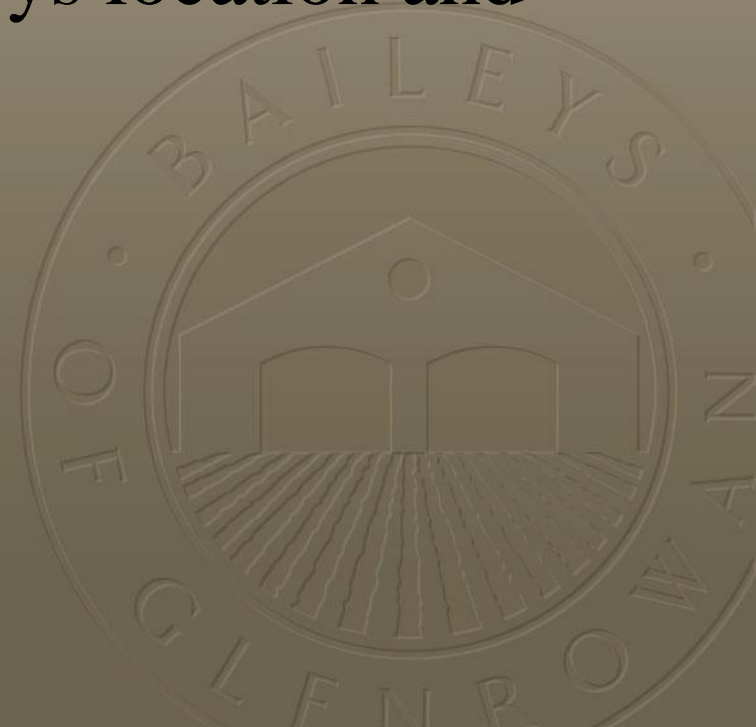
- 2012 First release of Organic Shiraz



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Organics/Soils Baileys Journey

- Introduce Ian Muller and Chris Timms
- Highlight following experiences specific to Baileys location and soils



EST  1870

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Weed control Early days
tilling (Damage)



Weed control (Granitic Soils machinery wear)





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Weed control Mowing Benefits
Controls spring vigour, site low
vigour/competition – watch, trial
some unsprayed rows?



Weed control- Straw watch surface feeding root habit/old vines



Weed control, cell grazing + mowing





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Organics, TWE expectations
neatness, not by neglect etc..

- Soil carbon increased
by 1% since conversion



How to make compost

- Available materials
- Recipe
 - Manure 26%
 - Dirt/clay 24%
 - Grape Marc 23%
 - Mature compost 11%
 - Straw 10%
 - Wood chips 4%
 - Rock dust 1%
 - Closing the loop!



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Baileys Rough Guide

- Windrow straw component
- Top with balance
- Turn and add water, keep pliable consistency with water
- Maintain 60-70 degrees C through the decomposition
- Turn regularly and add water to manage temp
- Approximately 2x per week for 5 weeks temp peaked and settled
- Turn periodically to aerate.
- Top with organic trace element based on nutrient testing of soils and compost



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How to make compost: Week 1





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How to make compost: Week 3





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How to make compost: Week 6





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How to make compost: Week 9



How to make compost

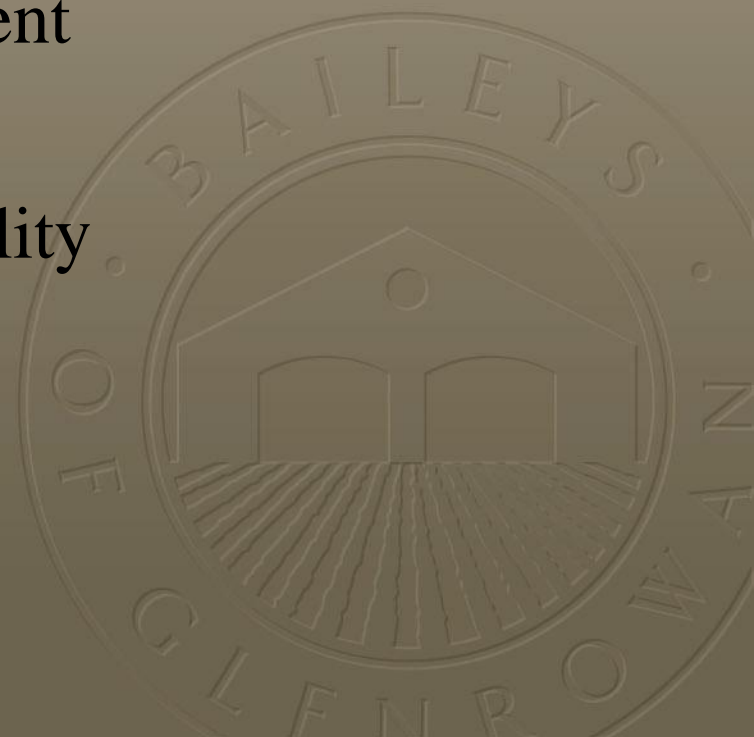




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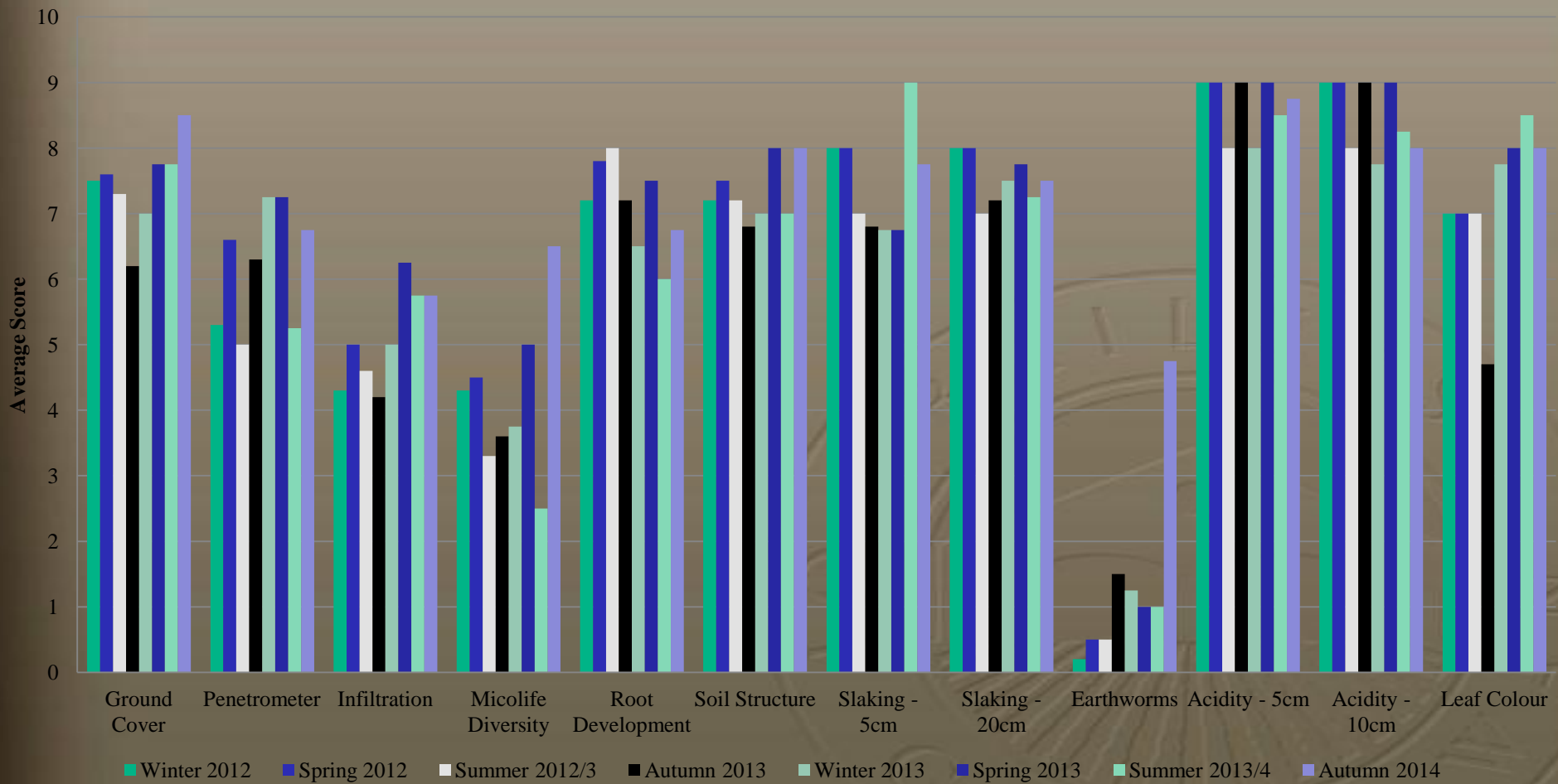
Northern Rivers Soil Health Card.

- Ground cover
- Penetrometer
- Infiltrrometer
- Diversity of soil life
- Root development
- Soil structure
- Aggregate stability
- Earthworms
- Soil pH
- Leaf colour



NRSHSC

Northern Rivers Soil Health Card. Block 24



Block 8



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Block 8 soil profile



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Organic Winemaking

- ACO Accredited
- One wine only
- Estate only fruit
- Traceability/cleaning registers
- Barrels,bungs, stickers, pumps etc..
- Ferments Air/Rotary Screen other benefits, softness etc..
- Organic not preservative free
- Wine Style opportunities within Baileys
5 Shiraz wines.
- Good wine first Organic second