

# HARVEST GUIDE

**2022** EDITION



Producing wines as unique and innovative as our yeast, bacteria and nutrients

WINEQUIP

PROUD DISTRIBUTOR



### Dedicated to fermentation excellence

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# 01 ABOUT US



We are proud of 99 years of dedication to fermentation excellence and providing products as unique as our country, South Africa.

## South Africa is unique, so are our products

For many years, Anchor has been at the forefront of evolution, adapting and changing to fulfil the needs and requirements of winemakers across the world. From creating the world's first hybrid wine yeast in the form of VIN 13, to expanding our portfolio to include more than just yeast, resulting in changing from Anchor Yeast to Anchor Oenology. With Anchor Oenology we pride ourselves on bringing you a portfolio of fermentation solutions, including yeast, nutrients and bacteria.

Within our yeast portfolio we strive to have a real focused number of products, answering the need for not just robustness, but also yeast strains that can assist winemakers in creating a specific sensory profile in the finished wine. From classical and hybrid strains, to yeast blends and the world's first commercial interspecies hybrid, we have something for every winemaker.

2022 is Anchor Yeast's 99<sup>th</sup> year of existence. As a supporter of Anchor and our products, this means you have been with us on a journey where together we have achieved many important milestones:

- The first company in the Southern Hemisphere to produce yeast.
- 47 years since the South African wine industry used the first commercially produced Anchor wine yeast.
- 18 years since the Anchor yeast became available in the inter- national wine industry.
- VIN 13, the first hybrid wine yeast, turns 31 years old this year.
- The first ever interspecies hybrid, Exotics Mosaic, celebrates 12 years of iconic wine production.
- The first company in the world to introduce blends of both yeast and bacteria.
- As Anchor Yeast celebrates its 99<sup>th</sup> birthday, our products are available on 5 different continents and in 30 different countries.

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for quality alcoholic fermentation





fermentation





Winemaking solutions for white, rosé and red wine

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# 02 YEAST

# Groundbreaking innovation for quality alcoholic fermentations



We create groundbreaking and unique yeasts. Let us do the same for your wine.

#### **EXOTICS** RANGE

First ever interspecies hybrid wine yeast strain.

The name Exotics now refer to a range of products, representing unique interspecies yeast hybrids for the creation of iconic wines. The Exotics range is responsible for creating complex, beautiful, soft and elegant wines of the highest quality. These hybrids were created to enhance the sensory complexity, similar to the impact of non-*Saccharomyces*, but with the robustness to complete the fermentation.

#### **ALCHEMY RANGE**

First ever scientifically formulated yeast blend.

In order to increase wine complexity, the Alchemy range has been created based on the synergistic interaction between different yeast strains. The portfolio caters for the production of white, rosé and red wines, delivering enhanced sophistication and complexity, adding mouthfeel and palate weight, in addition to aroma intensity.

#### **LEGACY** RANGE

First ever hybrid wine yeast strain.

The yeast strains in the Legacy range include the most well-known isolates and hybrids. They are all robust strains that can tolerate a wide range of temperature and alcohol variables in order to ensure complete, reliable fermentations. In addition, these strains produce highly aromatic white, rosé and red wines.

All of the benefits of a spontaneous fermentation, none of the risks.

## **EXOTICS** RANGE

## Original & exciting

The concept behind these unique hybrids is to provide you with all the benefits and complexity of a spontaneous fermentation, without the associated risks. Now Exotics will be known as a range of yeast strains, consisting of the world's first interspecies hybrid, Exotics Mosaic, and more recently, the addition of Exotics Novello.

#### **EXOTICS MOSAIC**

A unique hybrid of *S. cerevisiae* and *S. paradoxus*, created in South Africa. Exotics Mosaic provides a steady fermentation rate in barrels and prefers at least 18 °C fermentation temperature.

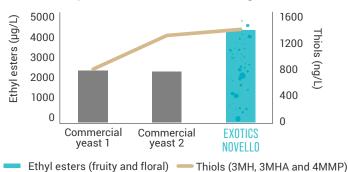
- White wine: Guava, granadilla, grapefruit, tropical fruit salad and stone fruit aromas.
- Rosé wine: Tropical fruit profile with intense mouthfeel.
- Red wine: Fruity, violet and cocoa aroma and flavours.

#### **EXOTICS NOVELLO**

A unique hybrid of *S. cerevisiae* and *S. cariocanus*, created in Australia. Exotics Novello provides a steady fermentation rate even at lower fermentation temperatures of 15 °C.

- White wine: Fresh and fruity, with enhanced softness and high ester and thiol production.
- Rosé wine: Increased thiols with enhanced mouthfeel.
- Red wine: Full-bodied and aromatic, with red and black fruit and spicy aromas, as well as decreased green characters.

Aroma impact of **EXOTICS NOVELLO** in Sauvignon blanc.



Creating synergy ... You blend your wine and create art. We blend our yeast strains and create the exceptional.

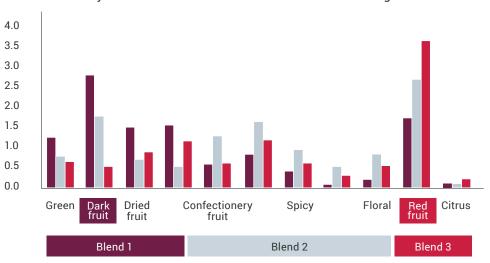
## **ALCHEMY RANGE** Magical process of Transforming

#### ALCHEMY I • ALCHEMY II • ALCHEMY III • ALCHEMY IV

Anchor Yeast is the first wine yeast brand in the world to launch commercial yeast blends to enhance wine aroma based on the metabolic interaction between specific yeast strains present in the blend, rather than the cumulative effect of the individual strains. Based on this research, in collaboration with the Australian Wine Research Institute (AWRI), Anchor has developed four yeast blends for the increased aromatic intensity, flavour and complexity of white and red wines.

The Alchemy I, II, III and IV yeast blends are highly robust strains that can withstand the rigours and challenges of modern winemaking, including temperature, alcohol and sugar tolerance.

Blend 1, 2 and 3 contain the exact same three yeast strains, with only the ratio of individual strains in the blend being different.



The development of the Alchemy range was based on the following steps:

- Select and analyse the individual strains for their impact on the ethyl and acetate ester, thiol and monoterpene concentrations.
- Analyse a variety of blends for their impact on the wine profile.
- Perfect the ratio of the individual strains in the blend.

### WHITE WINE YEAST BLENDS

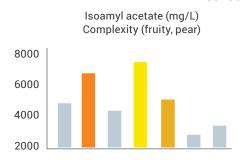
#### **ALCHEMY I**

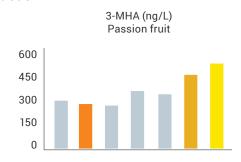
- Fruity and floral esters.
- Tropical fruit aromas.
- Some volatile thiols.
- Cold fermentation.
- Very high alcohol tolerance.

#### **ALCHEMY II**

- Volatile thiols.
- 3-MH, 3-MHA and 4-MMP.
- Boxwood, passion fruit, grapefruit, gooseberry and guava aromas.
- Cold fermentation.
- Very high alcohol tolerance.

Identifying individual strains capable of enhancing the ester and thiol concentration:





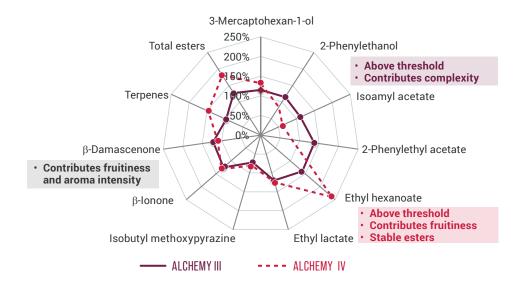
### **RED WINE YEAST BLENDS**

#### **ALCHEMY III**

- Rose, floral and fruity.
- Raspberry.
- Decreased green methoxypyrazines.
- Structure and body.

#### **ALCHEMY IV**

- Significant production of esters and terpenes.
- Strawberry, cherry, raspberry, redcurrant and pomegranate.
- Longevity/stability of fruit aromas.
- Decreased green methoxypyrazines.
- Round and smooth.



Our yeast strains that help you to create your legacy - always dependable and reliable, like family.

## **LEGACY** RANGE

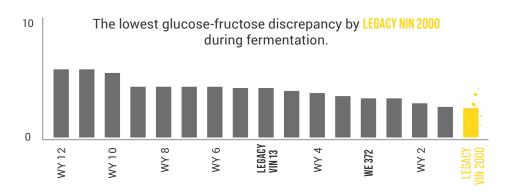
## Handed down from generation to generation

The Legacy range is hybrid yeast strains that are the backbone of the Anchor yeast family and is known for their quality and robustness: Legacy VIN 2000, VIN 13, VIN 7 and NT 116 for white wines, and for red wines also NT 116, as well as NT 112, NT 202, NT 50 and WE 372.

### WHITE WINE YEAST

#### **LEGACY VIN 2000**

- Barrel and tank fermented Chardonnay, Chenin blanc and Viognier.
- · High quality, full bodied wines with good mouthfeel.
- Enhances fresh pineapple, papaya, grapefruit and citrus aromas.
- Low temperature tolerance: tank and barrel suitability (12 °C).
- Tropical citrus aromas.
- High alcohol tolerance and extremely fructophilic.



#### **LEGACY VIN 13**

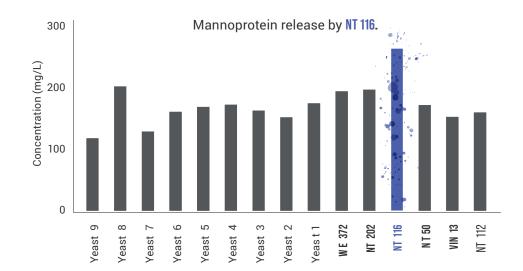
- Cold fermentation of aromatic white wines.
- · Robust and aromatic: fresh and fruity.
- Strong and fast fermentation.
- Cold tolerant (10 °C).
- Extremely alcohol tolerant (17%).
- Red wine fermentations (sugar exceeding 26 °B).
- · Restarting stuck fermentations.
- Extremely sugar tolerant (27 °B).

#### **LEGACY VIN 7**

- Natural triploid hybrid.
- Cold fermentation of thiol white wines: Sauvignon blanc, Chenin blanc and Colombard.
- Enhances 4-MMP thiol aromas, mainly guava and granadilla.
- · Thiol liberation and intense aromatics.
- Cold tolerant.
- · Grapefruit, guava, passion fruit and gooseberry.

#### **LEGACY NT 116**

- Production of aromatic, crisp white wines.
- Production of full-bodied red wines destined for barrel maturation.
- · High sugar and alcohol tolerance.
- Cold tolerance: suitable for cold maceration in red wines.
- Strong fermenter, even at very low temperatures in white wines.
- High ester production, intense tropical aromas.
- Highest glycerol and mannoprotein production.



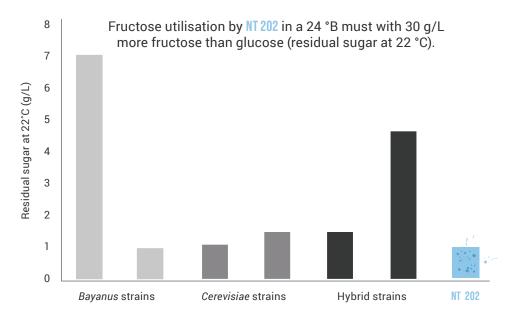
### **RED WINE YEAST**

#### **LEGACY NT 112**

- Production of red wines with a firm tannin structure.
- Traditional style red wines to be aged.
- Blackberry and blackcurrant aromas in Cabernet Sauvignon and Shiraz.
- High alcohol tolerance.
- · Very good fructose utilisation.
- Can produce SO<sub>2</sub> under stress conditions (sufficient nutrition).
- Suitable for micro-oxygenation and thermovinification.

#### **LEGACY NT 202**

- Production of structured red wines to be aged, more intense and complex.
- Red and black fruits (blackberry and blackcurrant), tobacco, fresh prune/ plum aromas.
- High alcohol tolerance (26 °B).
- Very good fructose utilisation.
- Very stimulatory for MLF.

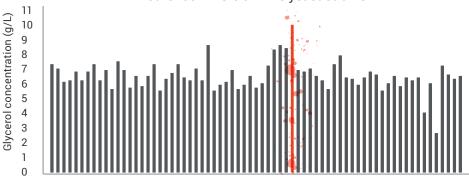


You don't settle for one cultivar or one style of wine. Why settle for one yeast strain? With Anchor, the choice is yours.

#### **LEGACY NT 50**

- · Production of fruity, rounded, easy drinking, early release wines.
- Enhances strawberry, raspberry, cherry, black berries, blackcurrant and spicy aromas.
- Suitable for wines with or without wood maturation.
- Extremely sugar and cold tolerant (good for cold soaking, pre-fermentation maceration; 13 °C).
- Masks green characters.
- Produces high glycerol concentrations that soften the mouthfeel.

Glycerol production of **LEGACY NT 50** in comparison with 68 other commercial wine yeast strains.



#### **LEGACY WE 372**

- · Enhances red berry, fruity and floral aromas.
- Suitable for most red grape varieties: Cabernet Sauvignon, Cabernet franc, Merlot, Shiraz, Pinotage and Pinot noir.
- Natural isolate.
- Softer, 'feminine' style wines.
- · Cold sensitive: suitable for the production of semi-sweet wines.



## **WHITE WINES** | Yeast technical characteristics

|                            | EXOTICS  |  | ALCHEMY          |                        | LEGACY  |  |  |                                     |
|----------------------------|--|--|------------------|------------------------|---|--|--|-------------------------------------|
|                            | MOSAIC   | NOVELLO  | ALCHEMY I        | ALCHEMY II             | VIN 2000  | VIN 13                                 | VIN 7  | NT 116                              |
| Application                | Iconic<br>wines                                      | Iconic<br>wines  | Ester production | Thiol production       | Complex wines                                       | Fruity<br>wines                        | Thiol production                                   | Crisp<br>wines                      |
| Also suitable for rosé     | •  | •  |                  |                        |   | •                                      | •  | •                                   |
| Blend                      |  |  |                  |                        |   |  |  |                                     |
| Hybrid                     |  |  |                  |                        |   |  |  | •                                   |
| Natural isolate            |  |  |                  |                        |   |  |  |                                     |
| Restart stuck fermentation |  |  |                  |                        |   | •                                      |  |                                     |
| Fructophilic               | -  |  |                  |                        | •   |  |  |                                     |
| Cold tolerance             | 18 °C  | 15 °C  | 12 °C            | 12 °C                  | 12 °C   | 10 °C                                  | 13 °C  | 11 °C                               |
| Alcohol tolerance          | 15.5%  | 15.5%  | 15.5%            | 15.5%                  | 15.5%   | 17%                                    | 14.5%  | 16%                                 |
| Osmotolerance (g sugar/L)  | 250  | 250  | 250              | 250                    | 250   | 270                                    | 240  | 260                                 |
| Nitrogen demand            | Average  | Average  | Average          | Average                | Low   | Low                                    | High   | Low                                 |
| Sensory descriptors        | Exotic fruits<br>Stone fruits<br>Floral<br>Mouthfeel | Grapefruit<br>Guava<br>Passion fruit<br>Gooseberry<br>Fresh and fruity | Fruity<br>Floral | Passion fruit<br>Guava | Floral<br>Citrus<br>Tropical<br>Pineapple<br>Papaya | Fruity<br>Floral<br>Terpenes<br>Muscat | Grapefruit<br>Guava<br>Passion fruit<br>Gooseberry | Tropical fruits<br>Citrus<br>Thiols |



## **RED WINES** | Yeast technical characteristics

| A mm  | lication |
|-------|----------|
| ADD   | IIC:AHOH |
| , vbb |          |
|       |          |

Also suitable for rosé

**Blend** 

Hybrid

Natural isolate

Fructophilic

**Cold tolerance** 

**Alcohol tolerance** 

Osmotolerance (g sugar/L)

Nitrogen demand

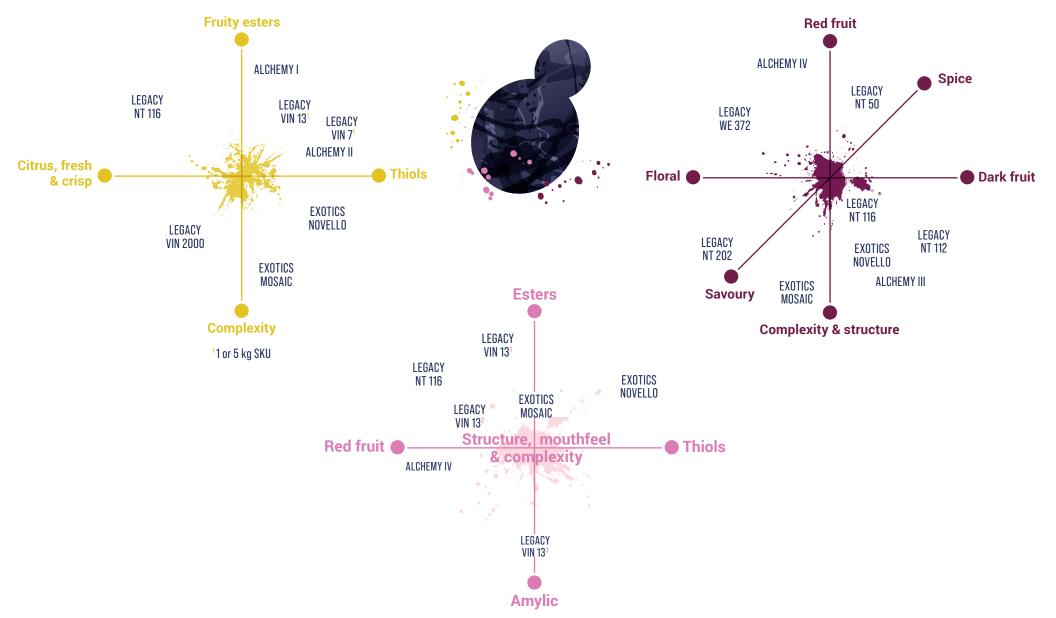
**MLF** compatibility

**Sensory descriptors** 

| EXOTICS                                     |   | ALCHEMY   |   | LEGACY  |   |   |  |                       |  |
|---|---|---|---|---|---|---|--|-----------------------|--|
| MOSAIC                                      | NOVELLO   | ALCHEMY III                                       | ALCHEMY IV  | NT 202  | NT 50   | NT 116                                    | NT 112                                   | WE 372                |  |
| Iconic<br>wines                             | Iconic<br>wines                                 | Complex wines                                     | Intense<br>red fruit  | Structured wines  | Fruity<br>wines                               | Full-bodied<br>wines                      | Firm tannin structure                    | Floral & fruit aromas |  |
|   |   |   | •   |   |   | •   |  |                       |  |
|   |   | •   | •   |   |   |   |  |                       |  |
| •   | •   |   |   | -   | •   | •   | •  |                       |  |
|   |   |   |   |   |   |   |  | •                     |  |
|   |   |   |   | -   |   |   | •  |                       |  |
| 18 °C                                       | 15 °C   | 16 °C   | 16 °C   | 18 °C   | 13 °C   | 11 °C                                     | 20 °C                                    | 16 °C                 |  |
| 15.5%                                       | 15.5%   | 15.5%   | 15.5%   | 16%   | 15.5%   | 15.5%                                     | 15.5%                                    | 15.5%                 |  |
| 250   | 250   | 260   | 260   | 260   | 265   | 260                                       | 260                                      | 245                   |  |
| Average                                     | Average   | Average   | Average   | Average   | High  | Low                                       | Average                                  | Average               |  |
| +++   | ++  | ++  | ++  | +++   | ++  | ++  | +  | ++                    |  |
| Red fruit<br>Black fruit<br>Cocoa<br>Floral | Soft tannins<br>Red and<br>black fruit<br>Spice | Rose<br>Floral<br>Fruity<br>Structure<br>and body | Intense fruit<br>Red fruit<br>Round and<br>smooth<br>Decreased<br>greenness | Blackberry<br>Blackcurrant<br>Tobacco<br>Prune<br>Red berries | Blackberry<br>Blackcurrant<br>Cherry<br>Spice | Blackberry<br>Blackcurrant<br>Red berries | Structured<br>Blackberry<br>Blackcurrant | Red berry<br>Floral   |  |

### **YEAST POSITIONING**

White wine | Red wine | Rosé wine



# 03 BACTERIA



# Unique tools that enhance the wine's quality and aroma during MLF

## **DUET RANGE**

This Duet range is the new home of the familiar and well-known *Oenococcus oeni/Lactobacillus plantarum* bacteria blends in the Anchor portfolio, specifically developed for co-inoculation (a duet of alcoholic and malolactic fermentations).

The Duet Arom and Soft bacteria blends are focused on enhancing the quality, aroma and sensory perception of red, white and rosé wines during malolactic fermentation.

Building on the success winemakers are achieving with Duet Arom and Soft, we have created a new mixed bacteria culture: Duet Mature.

### New packaging







Expect more from your malolactic fermentation? So do we.

## **DUET AROM | DUET SOFT**

#### WHY A BLEND OF BACTERIA?

- ✓ Security
- ✓ Co-inoculation benefits
- Impact on volatile acidity and diacetyl production
- Sensory benefits
- Impact on colour
- ✓ Bio-protection

#### **Security**

A blend of a robust O. oeni strain with L. plantarum, allow for the bacteria culture to perform MLF under a wide range of fermentation conditions, including pH and sulphur challenges.

#### Co-inoculation benefits

Addition at the same time as yeast:

#### **TECHNOLOGICAL ADVANTAGES** MICROBIAL ADVANTAGES SENSORY IMPACT · Shorter total fermentation · Less inhibitory environment Access to glycoside duration. (fatty acids and ethanol from precursors. veast). More efficient MLF in difficult · Higher total esters and wines. Reduced risk of microbial fruitiness. spoilage. · Favourable fermentation heat. Less diacetyl and butter · Lower VA concentrations. characters. · No MLF nutrients required. More complex, integrated · Reduced SO, usage required. wines.

#### Impact on volatile acidity and diacetyl production

Whilst the heterofermentative O. oeni strain is able to produce volatile acidity, the O. oeni strains present in the Duet range are selected as low VA producing strains. The homofermentative *L. plantarum* strains are unable to produce any volatile acidity, even in the presence of high sugar concentrations in must during co-inoculation.

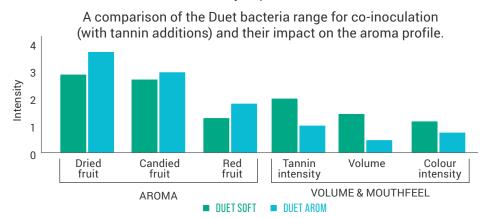
In co-inoculation conditions: A high sugar concentration results in less excess pyruvate and the bacteria prefers malic acid to citric acid in order to regenerate NAD\*. This results in the production of less diacetyl that could potentially mask complex aromas and promote wine oxidation.

#### **Sensory benefits**

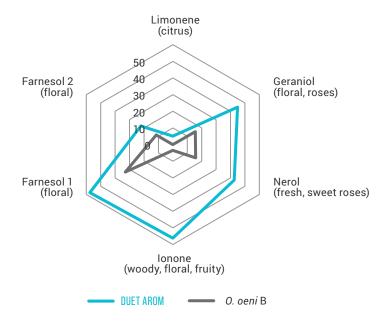
The blend allows for the more complex aroma contribution via the sensoryenhancing benefits of the L. plantarum bacteria species. This is due to the more complex enzymatic profile of the L. plantarum strain.

| ENZYME                 | L. PLANTARUM | O. OENI | SIGNIFICANCE                      |
|------------------------|--------------|---------|-----------------------------------|
| Malolactic enzyme      | +            | +       | Convert malic to lactic acid      |
| β-D-glucosidase        | +            | -       | Release bound precursors          |
| Proline iminopeptidase | +            | -       | Release amino acid precursors     |
| Esterase               | +            | +       | Synthesis or hydrolysis of esters |
|                        |              |         |                                   |

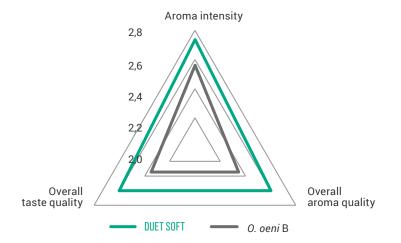
The Duet range is developed to enhance the overall wine quality and the different blends have different sensory impacts in the wine.



The *L. plantarum* strain with ß-D-glucosidase activity, like in DUET AROM, can liberate bound aroma compounds like monoterpenes and nor-isoprenoids. These compounds enhance the fruity and floral profile of the wine.



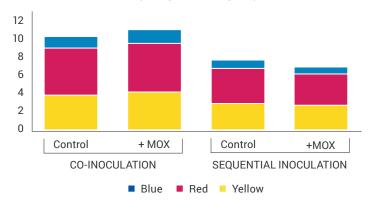
A blend of bacteria in comparison with an *O. oeni* culture in co-inoculation MLF in Tempranillo (Spain).



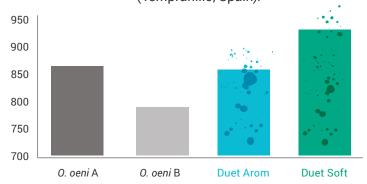
#### **Impact on colour**

The Duet range has been developed to positively impact on the colour by enhancing colour intensity and total anthocyanin concentration. These cultures are also fully compatible with micro- and macro-oxygenation and tannin additions during fermentation. In fact, these practices, together with the use of the Duet range, results in increased colour after MLF.

Impact of micro-oxygenation on colour intensity; comparing co-inoculation versus sequential inoculation (Tempranillo, Spain).

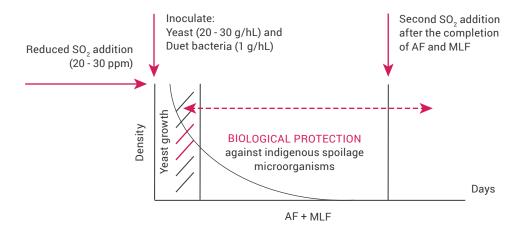


Anthocyanins (mg/L) after completion of co-inoculation (Tempranillo, Spain).



#### **Bio-protection**

With an increased interest in the sanitary state of wines (increased legislation and certification requirements), it is important to ensure that your wines are protected against unwanted microbial populations. Inoculating the Duet range at the beginning of the fermentation, allows for the usage of less sulphur. In addition, the bacteria strains present in the Anchor range are unable to produce biogenic amines or ethyl carbamate.



### **DUET MATURE**

### New product

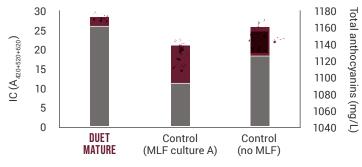
Anchor is the first company in the world to bring you unique, quality-enhancing tools in the form of bacteria blends. These blends of *Oenococcus oeni* and *Lactobacillus plantarum*, forming part of the Duet bacteria range for co-inoculation, were specifically developed to enhance the wine quality during the process of malolactic fermentation (MLF). Based on the success winemakers are achieving with Duet Arom and Duet Soft, we have created a brand new blend: Duet Mature. This new bacteria blend not only brings you all the benefits of co-inoculation, but also has the ability to enhance red wine quality during the maturation period.

#### POSITIVE IMPACT OF DUET MATURE IN RED WINES

#### Colour

In order to display the positive impact of Duet Mature on the phenolic profile of a Spanish Merlot, we measured the total anthocyanin concentration and colour intensity (CI) after MLF. Both of these parameters were highest with Duet Mature, compared to another commercial co-inoculation culture and a treatment with no MLF. This means that the red wine colour is enhanced, especially in red wines destined for maturation.

Enhanced phenolics with **DUET MATURE** | Spanish Merlot.



- Colour intensity (A<sub>420+520+620</sub>) after MLF
- Total anthocyanins (mg/L) upon completion of MLF

#### Quality

3.5

2.5

1.5 1.0

0.5

0.0

Acidity

Besides the enhanced sensory profile delivered by Duet Mature, this bacteria culture also has the ability to reduce sensations that could negatively influence the wine quality. In a Spanish Tempranillo, Duet Mature had the ability to reduce characters of tannin intensity, hotness, dryness and herbaceousness.

**DUET MATURE** vs. competitor bacteria

Spanish Tempranillo | Reduced negative sensations.

■ DUET MATURE

■ Control (MLF culture A) ■ Control (MLF culture B)

Hot/burn

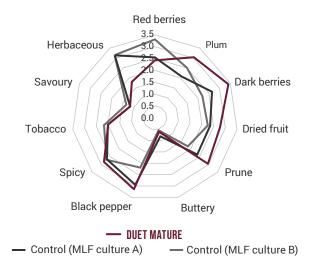
Dryness

Tannic intensity

#### **Aroma**

As seen with the other blends in the Duet range, Duet Mature has a quality-enhancing aroma impact in the wine. Duet Mature significantly enhances the dark fruit profile, enhancing plum, prune, dried and dark fruit aromas. Duet Mature does not only enhance the sensory profile during MLF, but also significantly contributes to the aroma profile during the ageing period. Dimethyl sulphide (DMS), contributing blackcurrant and blackberry aromas, is released from the potential DMS (PDMS) during wine storage. Duet Mature produces PDMS and can contribute to the aroma profile of the wine even after bottling.

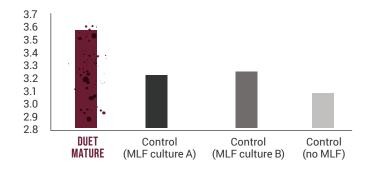
**DUET MATURE** n comparison with other commercial co-inoculation cultures | South African Cabernet Sauvignon.



#### **Preference**

With all these quality-enhancing aspects, it is clear why Duet Mature is the preferred wine when compared to other commercial cultures and a wine without MLF. For winemakers that want to use the process of MLF to also enhance wine quality, the Duet range is the perfect choice.

Sensory analysis after MLF - overall preference | Spanish Merlot



### **DUET BACTERIA PORTFOLIO**



Oenococcus oeni & Lactobacillus plantarum

Enhanced aroma profile in high pH red wines during malolactic fermentation.

#### **APPLICATION**

Red wine

#### **SENSORY ATTRIBUTES**

More fruit intensity
More red berry aroma
characteristics
Enhanced spicy notes
Enhanced aroma intensity

#### TECHNICAL PARAMETERS

**pH**: ≥ 3.4

Potential alcohol tolerance: 15.5%

Temperature range: 18 - 28 °C

Total SO, inoculation:

40 - 50 ppm No biogenic amine production Little to no VA production

**CO-INOCULATION** 



Oenococcus oeni & Lactobacillus plantarum

Enhanced volume, mouthfeel and sensory profile in white and red wines during malolactic fermentation.

#### **APPLICATION**

Red and white wine

#### **SENSORY ATTRIBUTES**

Enhanced mouthfeel
Decrease in green characters
Reduced astringency
Enhanced dark fruit
aromas

#### **TECHNICAL PARAMETERS**

pH: ≥ 3.2

Potential alcohol toolerance: 15%

Temperature range: 15 - 28 °C

Total SO, inoculation:

50 ppm No biogenic amine production Little to no VA production

**CO-INOCULATION** 



Oenococcus oeni & Lactobacillus plantarum

Enhanced dark fruit characters in red wines during malolactic fermentation and ageing (PDMS production).

#### APPLICATION

Red wine

#### **SENSORY ATTRIBUTES**

Increased plum & dark berry aromas
Hints of spice, black pepper & floral notes
Increased blackberry &
blackcurrant notes:
DMS release during ageing

#### **TECHNICAL PARAMETERS**

pH: ≥ 3.3

Potential alcohol tolerance: 16%

Temperature range: 18 - 28 °C

Total SO<sub>2</sub> inoculation:

50 ppm No biogenic amine production Little to no VA production

#### **CO-INOCULATION**

# 04 **NUTRIENTS**



## Sustain The yeast, don't just feed it

The new Anchor nutrient portfolio will consist of two ranges, Inception and Sustenance, each the home of two uniquely formulated products. This new portfolio will cover all the needs of the yeast, from rehydration to fermentation. We have also collaborated with a world-renowned packaging supplier to create fully recyclable packaging, which not only ensures the longevity and survival of the yeast, but also the planet.

## **INCEPTION RANGE** for rehydration

Inception: The establishment or starting point of an activity.

#### **REVIVE**

#### Ensure yeast viability and enhanced quality.

- Provide high levels of essential growth factors and enzymatic co-factors.
- Improve yeast acclimatisation, implantation, viability and metabolism.
- Enhance precursor assimilation and fermentative aroma release.













## **SUSTANANCE RANGE** for complex nutrition

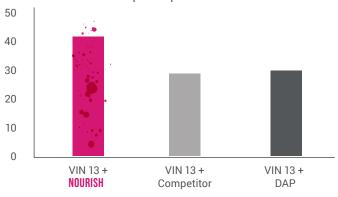
Sustenance: the maintaining of something in life or existence

#### **NOURISH**

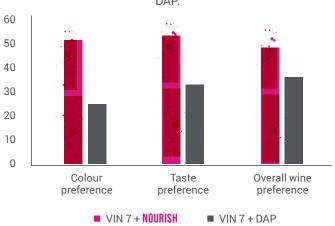
#### Secure the fermentation and ensure a clean aromatic profile.

- Provide a complex source of organic and inorganic nitrogen.
- A source of essential vitamins, minerals, amino acids and stress resistance factors.
- Reduce the risk and ensure a balanced and complete fermentation.
- Prevent the formation of undesirable metabolic by-products.
- Improve overall wine quality.

Total aroma-enhancing volatile aroma compounds (mg/L) with VIN 13 yeast and NOURISH addition in an Italian Moscato. With NOURISH, aroma production is increased by up to 44%, compared to a competitor product or DAP.



Ranking preference test with VIN 7 with NOURISH compared to DAP.



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# 05 | CONTACT US

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