



HORTICULTURE & VITICULTURE PRODUCTS



At Jeffries we have had our hands in South Australian **soil for generations**, growing strong since 1842. Driven by wholesome family values and innovation, we have developed world-leading organic recycling technologies and collection partnerships.

Combining our passion and process the Jeffries Horticulture Division delivers premium compost, soil and mulch to farmers, viticulturists and nurseries.

Together, we are securing the future of healthy **soil for generations** to come.



Quality Endorsed Company
ISO 9001 Lic. 5086
Standards Australia

WHY CHOOSE JEFFRIES PRODUCTS?

As a business, Jeffries is certified to Australian Standard Quality Management Systems ISO 9001. Jeffries are consistently monitoring and managing quality across all operations to ensure we supply premium products and services for our customers.

Many of Jeffries manufactured products are certified to Australian Standard and National Association for Sustainable Agriculture Australia (NASAA). This guarantees you receive consistent product quality, making Jeffries the best choice for your crops.

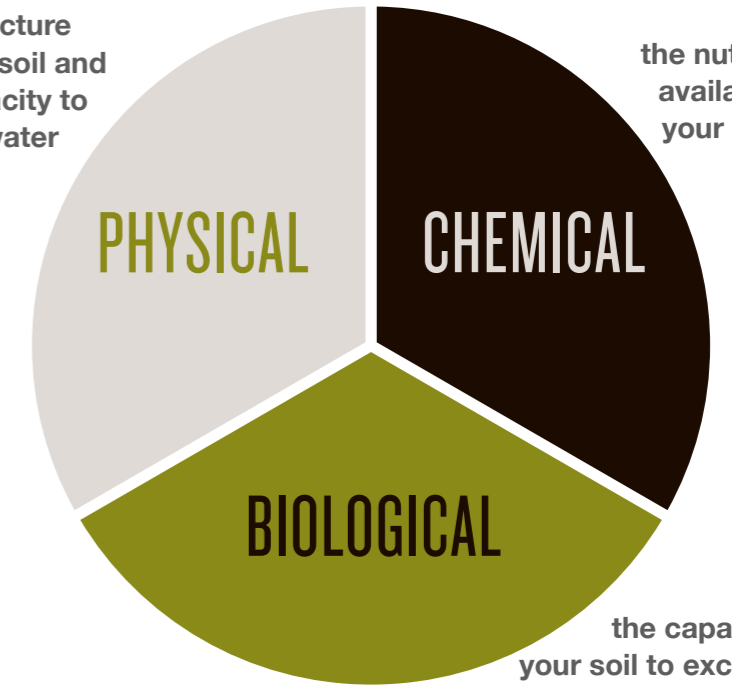
HIGHEST QUALITY PRODUCTS AND SERVICES EVERY TIME

GET THE BIOLOGY RIGHT... AND GET YOUR SOILS RIGHT!

SOILS ARE MADE UP OF THREE MAIN COMPONENTS:

the structure of your soil and its capacity to retain water

the nutrients available to your plants



the capacity of your soil to exchange nutrients and suppress disease

HOW IS THIS ACHIEVED WITH JEFFRIES COMPOST AND MULCHES

PHYSICAL	CHEMICAL	BIOLOGICAL
<ul style="list-style-type: none"> Increases water retention Improves soil structure Improves root development Enables salts in topsoil to be leached Reduces water runoff and evaporation Increases water infiltration rate to roots Decreases soil erosion Suppresses weeds Thermal buffer to the plant 	<ul style="list-style-type: none"> Increases soil organic carbon levels Input of organic nutrients Very low in salts pH and soil chemical deficiency buffer Slow release of organic carbon and nutrients 	<ul style="list-style-type: none"> Provides a food source for continual microbial development Unlocks existing nutrients in the soil Increases the availability of added nutrients High level of beneficial fungal development Disease suppression

JEFFRIES ORGANIC COMPOST

Jeffries Organic Compost provides immediate soil conditioning benefits along with ongoing improved soil health. Jeffries Organic Compost will add vital organic carbon and living micro-organisms to your soil. This increases your soils' fertility for stronger, healthier plant growth, all while saving you water.

KEY BENEFITS

- Increase organic carbon in the soil, vital for soil fertility
- Improves aeration
- Improves water infiltration
- Increases nutrient uptake by plant roots
- Provides vital micro-organisms to stimulate the soil
- Improves plant resilience against disease and during extreme conditions
- Helps keep soil temperatures more constant – cooler in summer and warmer at night
- Reducing water and wind erosion
- Certified input for organic production

MADE FROM

Organic material that has been through a controlled process of natural aerobic composting. Sources include home green bin, garden prunings and food organics.

APPLICATION RATES

The below application rates are to be used as a guide only. Many factors can influence your required application rate such as, your intended use, crop, crop stage, soil condition and climate. The below applications are examples of how some growers are applying Jeffries Organic Compost.

We recommend contacting your agronomist or local distributor for more information on your required application rate.

CROP	INTENDED USE	REGION	APPLICATION RATE	FREQUENCY
Vines (incl table grapes)	As a compost	Sunraysia, Adelaide Hills, Langhorne Creek, Barossa, Clare Valley, Riverland and McLaren Vale	5 - 15m ³ per hectare	Annually
Vines (incl table grapes)	As a compost and a mulch	Sunraysia, Adelaide Hills, Langhorne Creek, Barossa, Clare Valley, Riverland and McLaren Vale	80 - 100m ³ per hectare	Every 2-3 years
Horticulture -under protected cropping -tomatoes, egg plant, cucumbers	As a compost	Northern Adelaide Plains	60 - 80m ³ per hectare	Every crop
Horticulture – leafy greens and root vegetables	As a compost	Northern Adelaide Plains	30 - 40m ³ per hectare	Every crop

CONSISTENT
PRODUCT QUALITY
YEAR ON YEAR

HIGHEST QUALITY COMPOST EVERY TIME

Jeffries Organic Compost is certified to Australian Standard AS4454. This gives you the assurance that you will consistently receive a high quality organic compost year on year.

CERTIFIED FOR ORGANIC PRODUCTION

Jeffries Organic Compost is certified for organic production to NASAA standard 5125M, ensuring you that you are using a product that is certified to the highest organic standard available in Australia.



“It’s a necessity to add organic matter back into our soils based on how vigorously we crop. Adding Jeffries Organic Compost ensures that our capsicum crops sustain good root health as well as providing the soil with beneficial bacteria needed.”

Andrew Braham
Braham Produce, Virginia

TYPICAL ANALYSIS

particle size grading	Soil conditioner
organic matter	35-45%
c/n ration	15-20
pH	6-8
Bulk density	0.5-0.7 TONNE/M ³
Soluble Phosphorus	3-8mg/L

NUTRIENT

	%
NITROGEN (N)	1.2 – 1.5
PHOSPHORUS (P)	0.2 – 0.3
POTASSIUM (K)	0.8 – 1.1
CALCIUM (Ca)	2.5 – 3.2
MAGNESIUM (Mg)	0.4 – 0.6
SULPHUR (S)	0.1 – 0.3

WHY USE COMPOST?

Jeffries Organic Compost vs Manure:

Chicken manure can often seem the more affordable option, but it isn't always the best value for crop health and yield. Based on a 30 tonne truck and trailer, Jeffries Organic Compost delivers almost double the organic matter of chicken manure, whilst also delivering less than one fifth the amount of salt.

	Jeffries Organic Compost	Composted Chicken Manure
Organic matter	10T	6T
Salt (Sodium)	20kg	111kg

Based on a 30 tonne truck and trailer

JEFFRIES DURA MULCH

A long-lasting coarse mulch that provides excellent protection against moisture loss, suppresses weed growth and will add valuable carbon as it breaks down.

KEY BENEFITS

- Significantly increases water retention
- Long lasting
- Suppresses weed growth
- Insulates plants against extreme temperature fluctuation
- Slow release of organic nutrients into soil for sustained plant growth
- Superior matting properties making it ideal for slopes and windy conditions
- Long-term soil conditioning benefits

APPLICATION RATES

The below application rates are to be used as a guide only. Many factors can influence your required application rate, such as your intended use, crop, crop stage, soil condition and climate. Applications below are examples of how some growers are applying Jeffries Dura Mulch.

We recommend contacting your agronomist or local distributor for more information on your required application rate.

CROP	REGION	APPLICATION RATE	FREQUENCY
Vines (incl table grapes)	Sunraysia, Adelaide Hills, Langhorne Creek, Barossa, Clare Valley, Riverland & McLaren Vale	100 -150m ³ per hectare	3-7 years

Taylors Wines

Taylors Wines required a mulch that would improve their water usage efficiency, reduce weed growth, increase carbon in the soil, and reduce soil temperatures. Taylors Wines achieved this using Jeffries Dura Mulch.

“Using Jeffries Dura Mulch we achieved a consistent increase in yields of about 20-30% compared to our control treatment over 4 years.

Over the past few years the Jeffries team has significantly improved and refined the product through increasing the uniformity of the mulch and reducing the level of contaminants within the product.

The Jeffries team is always enjoyable to work with, and consistently provide a quality product along with a quality service. I would certainly recommend to other vineyard operators to use Jeffries Dura Mulch.”

Ben Mitchell

Technical Viticulturist, Taylors Wines

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MADE FROM

100% green organic material including garden prunings and tree loppings, that has been through a controlled process of natural aerobic composting.

CERTIFIED FOR ORGANIC PRODUCTION

Jeffries Dura Mulch is certified for organic production to NASAA standard 5125M, ensuring you that you are using a product that is certified to the highest standard available in Australia.



TYPICAL ANALYSIS

particle size grading	Fine Mulch
organic matter	65 – 75%
c/n ration	60 – 80%
pH	7.0 – 8.0
Bulk density	0.3 – 0.45 tonne/m ³
Soluble Phosphorus	<5mg/L

NUTRIENT

	%
NITROGEN (N)	0.4 – 0.7
PHOSPHORUS (P)	0.04 – 0.08
POTASSIUM (K)	0.3 – 0.6
CALCIUM (Ca)	1.0 – 1.5
MAGNESIUM (Mg)	0.15 – 0.25
SULPHUR (S)	0.1 – 0.2

JEFFRIES RUSTIC CHOICE

A ROUGH-AROUND-THE-EDGES MULCH THAT GETS THE JOB DONE.
AND DONE WELL!

CROP	REGION	APPLICATION RATE	FREQUENCY
Vines (incl table grapes)	Sunraysia, Adelaide Hills, Langhorne Creek, Barossa, Clare Valley, Riverland & McLaren Vale	100 -150m ³ per hectare	2-5 years



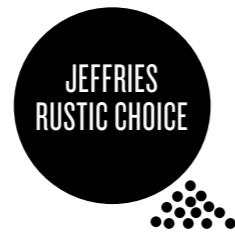
SOIL CONDITIONER AND SEMI-COARSE MULCH IN ONE

Jeffries Rustic Choice is a moderately refined mulch which is readily available and provides a strong return on investment for commercial growers wanting to improve their soils.



Soil Conditioner

- fine particle size
- highly refined
- incorporates into the soil profile fast
- higher (more immediate) soil conditioning properties



- uniform, mid-sized particles
- minimal fines
- medium to long-term durability (2-5 years)
- long-term soil conditioning benefits
- suppresses weeds
- insulates soil from the elements



Mulch

- contains a mix of fine, medium and coarse particles
- long-term durability at high application rates (5-7 years)
- long-term soil conditioning benefits
- suppresses weeds
- insulates soil from the elements

KEY BENEFITS

- Significantly increases water retention
- Suppresses weeds
- Insulates soil from temperature extremes
- Medium to long-term durability 2-5 years
- In-stock and ready to go
- An economical soil protection solution
- Slow release of organic nutrients



MADE FROM

Composted recycled organics collected from diverse sources, providing a high level of microbial diversity as it breaks down (unlike single-source mulches and manures).

Jeffries Rustic Choice goes through the same intensive composting system and world-renowned ROSS plant as Jeffries Organic Compost and Jeffries Dura Mulch.

Due to its uniform mid-range particle size, Jeffries Rustic Choice can contain a higher level of inorganic material than our other compost and mulches, including the occasional stone, glass or plastic fragment. This does not affect the performance of the mulch in any way.

CUSTOM BLENDING

We can custom blend a compost, soil or mulch to your specifications, ensuring that you receive the appropriate nutrient package for your site, maximising the overall performance of the product.

WHAT JEFFRIES CAN BLEND

Using Jeffries Organic Compost or mulch products as a base, any prescribed organic and inorganic soil amendments can be blended to your specification, including:

- Gypsum
- Lime
- High analysis fertilisers
- Liquids
- Biodynamic preparations
- Biochar

Jeffries' leading edge machinery and efficient blending system means:

- An even distribution of the products, aiding application
- High volumes can be blended in a short amount of time

BENEFITS OF A CUSTOM BLEND

- Customised nutrients to suit your soil and plant requirements
- Increases nutrient efficiency and uptake by applying amendments with a carbon source such as Jeffries Organic Compost.
- Reduced application times
- Lower spreading costs, saving fuel and labour



GETTING JEFFRIES PRODUCTS

FREIGHT OPTIONS

Jeffries have a variety of different truck sizes, and work closely in collaboration with freight partners, to ensure no delivery is too large or too far.

DELIVERY AREA

With various distributors across South Australia and into the Sunraysia region, Jeffries can deliver products to greater South Australia and the Victoria and New South Wales regions. To discuss freight options for you, contact your local Jeffries distributor or contact a Jeffries horticulture representative.

HAVE YOUR OWN FREIGHT ORGANISED?

Jeffries horticulture products can be conveniently collected from our Northern Adelaide site, Buckland Park.



**THE RIGHT
BLEND THE
FIRST TIME**

TO PLACE AN ORDER

To place an order for Jeffries products, contact your local distributor.
To find your local distributor visit jeffries.com.au/horticulture.



FOR **MORE** INFORMATION

For more information on any Jeffries products or services,
please contact a Jeffries horticulture representative on
08 8368 3555 or info@jeffries.com.au

YOUR LOCAL JEFFRIES DISTRIBUTOR IS: