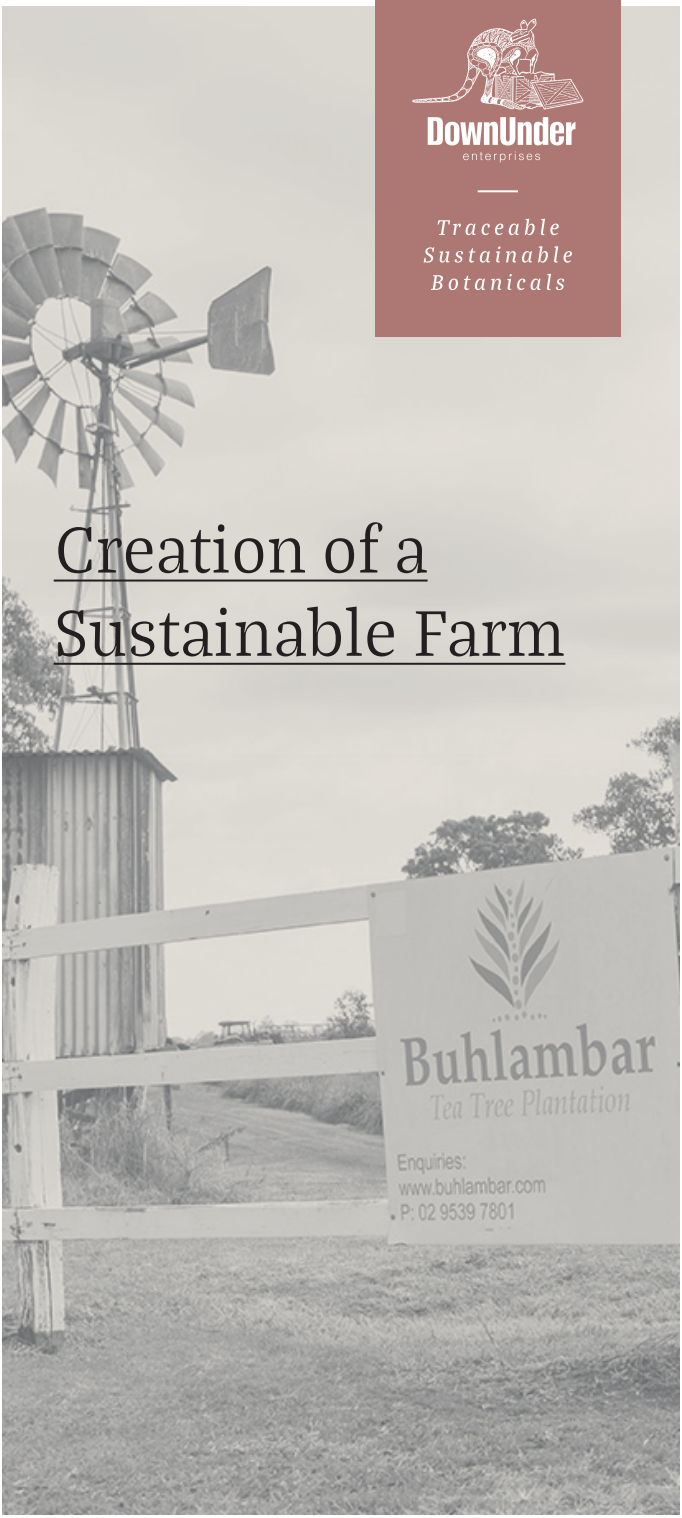
DownUnder
enterprises

Traceable
Sustainable
Botanicals

Creation of a Sustainable Farm



We are farmers – we produce native Australian essential oils and supply them directly from our farms. In 2016, we established our farm, Buhlambar, meaning "Home of Tea Tree" in local Aboriginal Bungalung language. Now fully developed, this property is planted out with Tea Tree, Fragonia®, Eucalyptus, and Lemon Scented Tea Tree.

Subterranean irrigation is installed across the entire property to protect us from droughts and eliminate evaporative water loss. Buhlambar is now the most technologically advanced and sustainable Tea Tree farm in Australia.

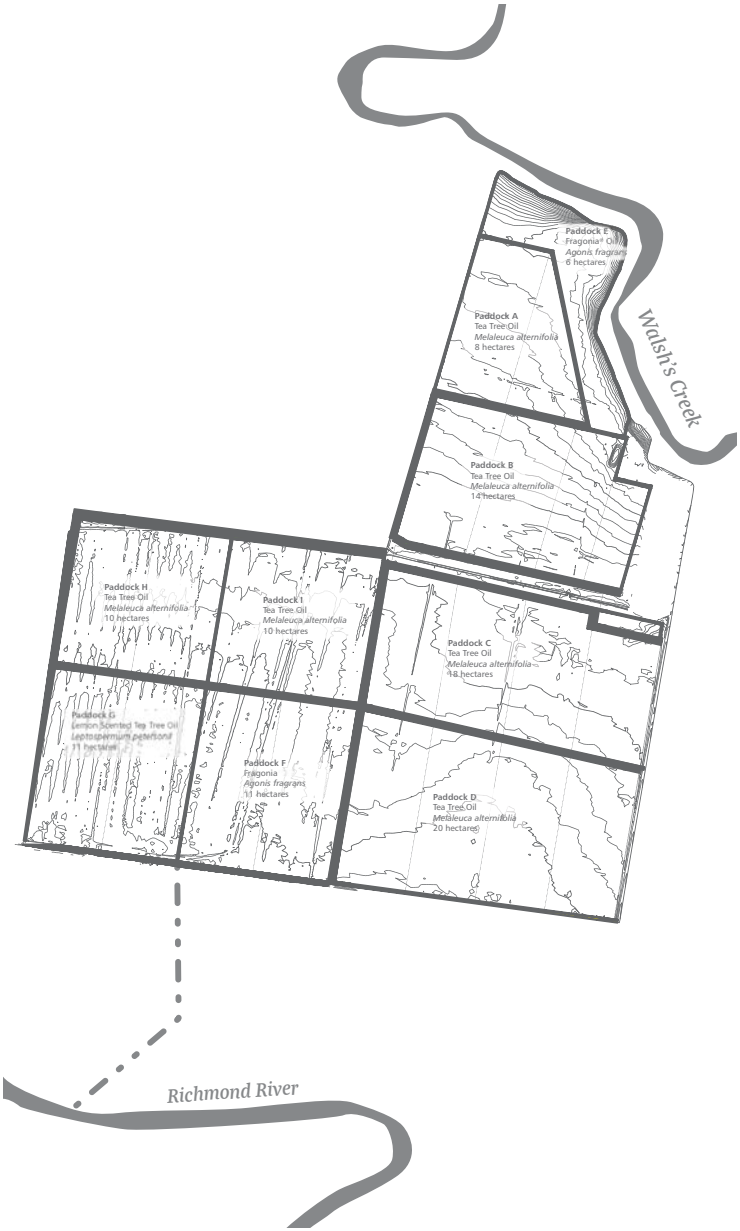
In 2018, we purchased adjoining land to Buhlambar, increasing its footprint by 50%. This expansion enables us to increase oil production capacity for a wider range of oils to support our customers' long term supply requirements.

This booklet describes many of the development activities undertaken: hours in a tractor, number of seedlings planted, kilometres of rows planted, and more. We hope you enjoy reading this booklet.

Plan a trip to Australia to visit with us and Buhlambar some day soon.

Dee-Ann, Phil, and the Down Under Team

Our Farm



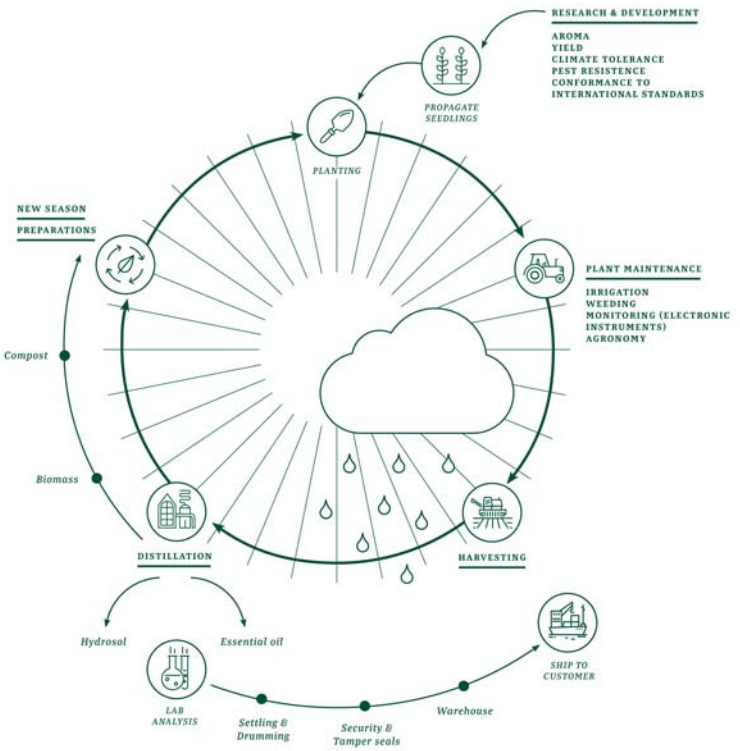
Our Mission

We strive to be the most respected global provider of native Australian ingredients. Our products are 100% pure, 100% natural, and 100% traceable.

Our products are grown, developed, and brought to market in the most environmentally friendly and sustainable manner possible.

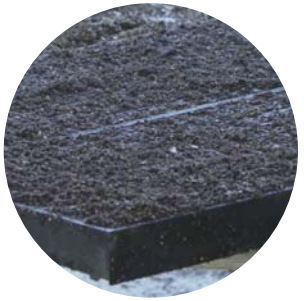
We develop and support our team members to be knowledgeable and highly capable, enabling them to take pride in supporting - beyond expectations - our customers' requirements.

Cycle of Sustainability



LEARN MORE

Propagate Seedlings



Seeds into cells

Germinating new seedlings

Seedlings in green house

Programmed irrigation

Pulling seedlings for planting

Seedling root structure

3,036,000
Seedlings planted
as of December 2018

Planting

Less than 15mm grade variance

414 hours of hoeing

3,036,000 seedlings planted

92,000 km raised beds

Every seedling watered in using rainwater

Plant Maintenance

5.5 km pipe installed

Flume irrigation for every row

40,000,000 L irrigation dam

2,500,000 L Irrigation run off dam

50,000 L rainwater tanks

Harvesting

Work 24/7 during harvest season

4,600,000 m^3 biomass for farm

<24 hrs tree to oil

Each tree cut at the base

Yield improves with more coppiced shoots

Distillation

Leaves placed in bins for distillation

Steam is injected at base of bin to extract Oil from leaves

Oil and water are separated

Oils settles in tanks until final packaging

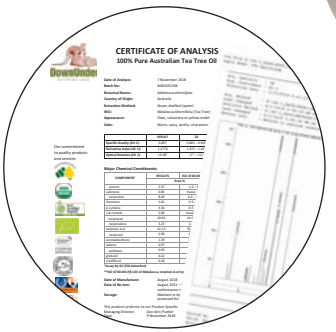
Lab Analysis

Prepare sample for lab analysis

GC-FID component analysis

Lab staff at work

Sample color comparison to water standard



Sample approved, COA issued

Security and Seals

Decanting to final packaging

Sparging drum with argon gas

Sealing the drum

Tamper-evident seals are applied for security

Batch record complete in our system

Composting

Waste biomass selected for desired fertilizer properties

Turning the pile compost with water keeps microorganisms working

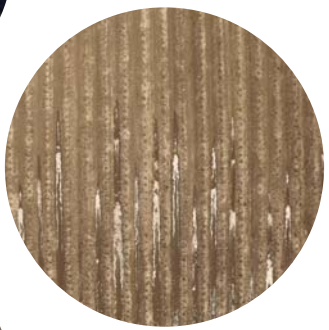
Over 12 weeks 4 m^3 of waste biomass becomes 1 m^3 of organic fertiliser

New Season Preparations

Spreading the compost

Lillistons at work

Before and after the Lillistons



Irrigation starts the new season growth

New growth appears

About Down Under

Down Under Enterprises grows, produces, exports, and markets traceable and sustainable native Australian essential oils and botanicals grown on Down Under's farm, Buhlambar, and from small growers producing unique Australian essential oils and native botanicals. The company operates directly in North America and in Australia, with a network of Commercial Partners throughout Asia and with Univar Solutions in Europe.

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