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# Sustainability Strategy

2024

# SUSTAINABILITY

At **Mackays Marketing** sustainability is at the core of our grower group's ethos.

Our diverse network of growers is united by a shared commitment to environmental stewardship and innovation. Through collective efforts, they're not just producing exceptional crops; they're cultivating a greener future.



# Our Sustainability Pillars

## Economic Sustainability

- ▶ **Growing** profitable crops sustainably
- ▶ **Financial viability** of all stakeholders
- ▶ **Increasing productivity** of farming operations
- ▶ **Technology** to drive supply chain efficiency

## Food Waste

- ▶ **Prevention:** Improve product quality on farm & throughout the supply chain
- ▶ **Re-purpose:** Creating value-added products from food waste
- ▶ **Recycle:** Creating a circular economy



## Environment

- ▶ **Carbon Footprint** strategy development
- ▶ **Plastic** reduction strategies
- ▶ **Energy** reduction strategies
- ▶ **Water** utilisation
- ▶ **Packaging** alternatives
- ▶ **Climate Change** mitigation
- ▶ **Farming** innovation

## People & Community

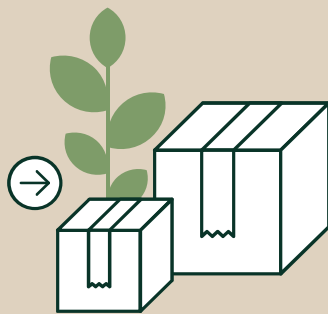
- ▶ **Supporting** our regional farming communities
- ▶ **Safe workplaces** for all employees
- ▶ **Industry leading** Ethical Sourcing practices

# Economic Sustainability



## FINANCIAL VIABILITY OF ALL STAKEHOLDERS

- ▶ Profitable farm returns drive future investment & innovation in Australian farming.
- ▶ Strong governance through strident compliance & audit accreditation.



## INCREASING PRODUCTIVITY OF FARMING OPERATIONS

- ▶ Enhanced growing techniques lead to increasing yields & lower breakeven costs.
- ▶ Reduce labour costs through automation innovation.
- ▶ 'Best in class' practices shared amongst growers.

## TECHNOLOGY TO UNLOCK SUPPLY CHAIN EFFICIENCIES

- ▶ Escavox live tracking temperature control software used through transport network to reduce food waste.
- ▶ Solar power to reduce packhouse & ripening centre energy costs by up to 60%.





# Food Waste



Our **three primary methods** of reducing food waste:

1

## PREVENTION

*Improving quality on farm and throughout the supply chain to reduce food waste.*

**Research and development** aimed at improving the quality and consistency of production on farm.

**Improving the quality** throughout the supply chain by including temperature devices in loads to ensure the product remains in temperature when travelling to store.

2

## RE-PURPOSE

*Creating value-add products.*

**Currently process** 3 million kgs of frozen bananas into value added products.

**3 year plan** to replace 1 million kgs of imported frozen bananas with Australian grown products.

**Foodbank donations** Over the past 10 years Mackays Marketing has proudly donated over 1 million kgs of bananas to help end hunger in Australia

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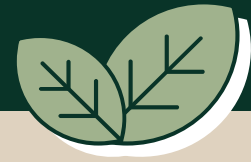
## RECYCLE

*Creating a circular economy.*

**Development of specialist compost scheme** to process 30,000 m3 of compost from out of spec produce from farm and banana skin peels from our processing facility.

**Application of farms food waste back into paddocks** to improve the biodiversity of the soil and incorporate nutrition back into the soil.

# Environment

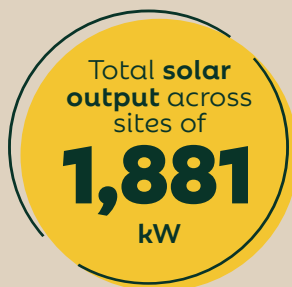


## Carbon footprint baseline measurement & strategies

- ▶ Baseline calculation underway

## Plastic reductions throughout the entire supply chain

- ▶ Minimising the need to re-wrap pallets in the supply chain.
- ▶ Converting plastic bunch covers to paper bunch covers. Initial reduction of 12,500kg/year in plastic, within the next six months additional area will be converted to paper bunch covers, resulting in a reduction in plastic of 25,000kg/year.
- ▶ Continue to develop methods to measure waste.
- ▶ Recycling plastic bunch covers in partnership with Pakall to create a circular economy.



## Reducing energy consumption

- ▶ Utilising renewable energy sources with solar power generating 1881 kW to power sheds and irrigation pumps.
- ▶ Reducing our energy usage ie. LED lighting, upgrading equipment.
- ▶ Operating with electric forklifts where they are suitable.



## Water utilisation

- ▶ Reducing our water usage by using monitoring tools such as irrigation probes and tree sensors.
- ▶ Rain capture mechanisms.

## Packaging

- ▶ Using recyclable packaging where possible.
- ▶ Consistently looking into alternative packaging solutions.

## Risk mitigation to climate change

- ▶ Irrigation efficiency – irrigation sensing technology, automative irrigation, using drip irrigation where applicable.
- ▶ Protective cropping – currently 14Ha in Lakeland.



## Innovative Farming

- ▶ Natural plant breeding in both bananas and papaya to improve disease resistance and agronomic attributes.
- ▶ Using plant sensing technology to optimise water use efficiency.
- ▶ Using data to make informed decisions.



# People & Community



## SUPPORTING REGIONAL COMMUNITIES

- **Event sponsorships** in regional communities.



*Continued investment in sponsorships of local sporting clubs in the regional communities that we farm.*

- Maintaining head office in the centre of Tully to **support local businesses** within the regional community.

## SAFE WORKPLACE AND PROMOTING DIVERSITY & INCLUSION

- We are committed to **ensuring a safe workplace for our employees**, contractors and visitors to our sites.

- Continued work to **maintain nil LTIFR**



**Mackays Marketing current LTIFR is 0 which is below industry standard of 8.7.**

## MODERN SLAVERY AND ETHICAL SOURCING



***Published Modern Slavery Statement since 2020.***

- Through our ethical sourcing program, we can **identify and mitigate risks** and opportunities for improvement.

- We are committed to upholding human rights and labour standards. **Mackays Marketing and selected grower partners have been third-party audited** through an independent auditing company.







# Sustainability Strategy

	2024	2025	2030
 <b>SAFETY</b>	Continued work toward a nil LTIFR year on year	Continued work toward a nil LTIFR year on year	Continued work toward a nil LTIFR year on year
 <b>COMPOST FACILITY</b>	Site build	3,500 m3 of compost production per year	30,000 m3 of compost production per year
 <b>SOLAR PANELS</b>	1281 kW	1881 kW	2126 kW
 <b>FOOD WASTE</b>	3 Million kg of fresh bananas sent for processing  90% on farm waste recycled and incorporated back into the soil or composted	5 Million kg of fresh bananas sent for processing  100% on farm waste recycled and incorporated back into the soil or composted	10 Million kg of fresh bananas sent for processing  100% on farm waste recycled and incorporated back into the soil or composted
 <b>PLASTIC WASTE RECYCLING</b>	10.5 Pallets or 4032kg of plastic in bunch covers and string is recycled	20.5 Pallets or 7,872 kg of plastic in bunch covers and string is recycled	50 pallets or 19,200Kg of plastic in bunch covers and string is recycled
 <b>PAPER BUNCH COVERS</b>	225 acres converted to paper bunch covers with a reduction in plastic of 12,500 kg/year	Total of 450 acres converted to paper bunch covers with a reduction in plastic of 25,000 kg/year	Total of 500 acres converted to paper bunch covers with a reduction in plastic of 27,775 kg/year





# Message from the COO

Tayla Mackay

Chief Operating Officer

AT **MACKAYS MARKETING**, SUSTAINABILITY IS NOT JUST A COMMITMENT—IT'S A CORE PART OF OUR ETHOS. OUR DIVERSE NETWORK OF GROWERS IS UNITED BY A SHARED DEDICATION TO ENVIRONMENTAL STEWARDSHIP AND INNOVATION. THROUGH OUR COLLECTIVE EFFORTS, WE ARE NOT ONLY PRODUCING EXCEPTIONAL CROPS BUT ALSO CULTIVATING A GREENER FUTURE FOR GENERATIONS TO COME.

We understand that true sustainability encompasses more than just environmental factors; it involves financial viability, social responsibility, and technological innovation. Our approach includes enhancing growing techniques, reducing labour costs through automation, and leveraging technology to unlock supply chain efficiencies. Our initiatives, such as using solar power to cut energy usage and developing integrated traceability systems, demonstrate our proactive stance on sustainability.



*Through initiatives like **reducing plastic** usage with paper bunch covers for bananas and **developing compost programs** to recycle organic waste, we are making tangible strides in **our sustainability journey**.*

These efforts not only benefit the environment but also contribute to a more sustainable and resilient agricultural sector. As we move forward, Mackays Marketing will continue to innovate and lead in sustainable practices, driving positive change within our industry and beyond.

Thank you for your continued support and partnership in this important journey.



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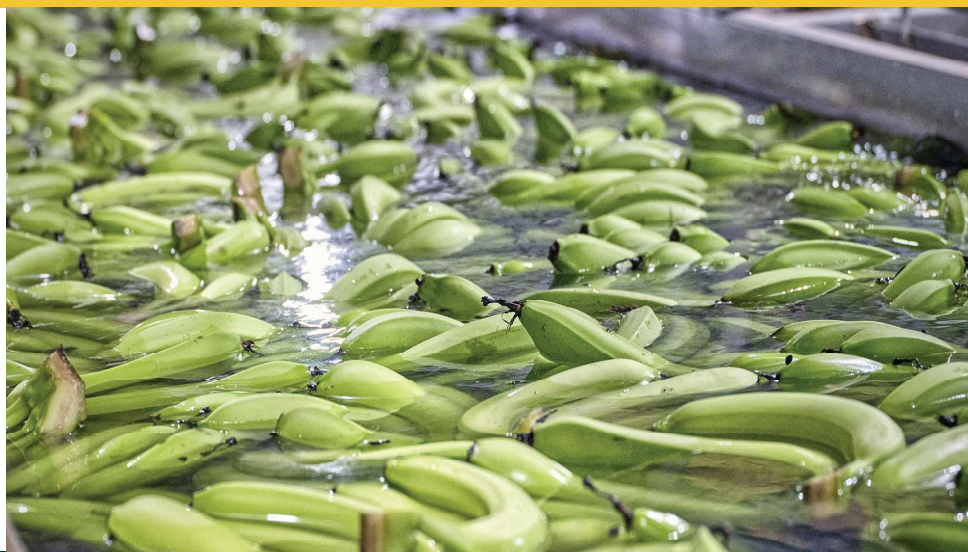


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