



GLOBAL MACADAMIAS (PTY) LTD Environmental Policy

Global Macadamias (Pty) Ltd is committed to protecting the environment, the health and safety of our employees, and the community in which we conduct our business.

It is our policy to seek continual improvement throughout our business operations to lessen our impact on the local and global environment by conserving energy, water, and other natural resources; reducing waste generation and recycling. We are committed to environmental excellence and pollution prevention, meeting all environmental regulatory requirements.

We respect our relationship with the natural environment and its ecosystems. We acknowledge the adverse impacts that human activity can impose and take actions to prevent degradation of those natural systems. Our commitment to sustainability recognises the interconnected nature of our business, the economy, the environment, and society.

We commit to the following principles and practices:

Monitoring and managing our environmental performance and working towards targets set to reduce adverse impacts.

In the facility:

- Complying with relevant local environmental policy, practices, regulations and legislation, and industry-specific legislation.
- We have one of the world's largest energy-efficient macadamia drying system. Waste macadamia shell is burnt in a hi-tech biomass boiler to generate thermal energy used for drying our nut in shell. The nut drying process happens inside an insulated building so that there is no energy loss to the external environment. The system is computer-controlled to ensure the drying occurs in a gentle, controlled way at the lowest temperatures possible. When installed the system offset our carbon emissions for the nut in shell drying process by 99.6%.
- We shall conserve energy by using Multiplex units to create all the required heating and cooling in the plant. The plant runs on full PLC (Programmable Logic Controller) software allowing the conditions to be constantly monitored and adjusted ensuring optimal heating, drying, and cooling.
- We shall be utilizing renewable energy by making use of solar energy. The use of solar energy decreases reliance on fossil fuels, mitigating air pollution and combatting climate change. Solar energy offers a reliable and consistent power source; therefore, the company can achieve energy independence and ensure uninterrupted productivity.
- We use LED lights to reduce energy consumption. The LED lights improve factory illumination while saving electricity and maintenance costs. The replacement of high bay mercury vapor light with LED lights forms part of our commitment to reduce environmental impact.



- Recycling of scrap metal. We are always re-engineering and undertaking factory upgrades, so we ensure our redundant equipment is recycled to help reduce the environmental footprint of our factory improvements.
- We shall monitor and control water usage and effluent discharge.
- We shall conserve natural resources by preserving Wetlands and Indigenous Fauna & Flora at our factory sites.

On the farm:

- Ensuring healthy soil. Our farmers know that healthy soil leads to healthy trees and productive farms. They are focused on ensuring soil is healthy by applying large quantities of organic matter to build the soil and feed soil biology.
- Waste minimization. Macadamia growers ensure they minimize waste for example, the husk that covers a macadamia nut in shell is captured and used on farms and added under trees to build soil health and to make compost. When pruning, growers will chip branches and put this around trees as mulch.
- Integrated pest management and biological controls. Our growers utilize integrated pest management only applying controls when necessary. This system involves carefully monitoring crops to find areas of pest activity and targeted control methods.
- Integrated orchard management systems. Integrated orchard management (IOM) is a system that brings together three fundamental pillars of orchard management – drainage, orchard floor management and canopy management. Growers utilize this system to ensure their farming is a sustainable system that promotes saving soils by controlling erosion, building healthy soils, and pruning to ensure adequate light levels to keep grass on the orchard floor. This system also allows the growth of insects attracting interrow plants to enhance the diversity of insects in orchards.
- Water use efficiency. Macadamia farms rely upon the naturally high rainfall of the regions in which they grow to provide the water to grow the crop. In specific regions, growers may supplement the rainfall with irrigation and use the latest in monitoring systems to apply controlled amounts of water as the plant requires it. This ensures macadamias are grown using very little irrigation water.

In the community:

- We value our responsibility to our local communities.
- We support our community with practical internships, training and seasonal employment.