

Our **capabilities**

Sustainability

Building trusted sustainability & ESG practices into your business

FARRELLY MITCHELL
Food & agribusiness specialists

Sustainability

In recent decades, global agriculture has experienced impressive growth, owing to increased industrialisation, new technologies, and more integrated and streamlined supply chains. While these developments have improved agricultural production and global food security, they have, in many cases, come at an environmental cost.

Agriculture is intrinsically linked to some of the most pressing environmental challenges such as climate change, biodiversity loss, and pollution. Through practices like monoculture farming, overuse of chemical sprays, deforestation, and excessive food waste, the agricultural industry is contributing heavily to the destruction of the natural world. In the face of these challenges, it has become clear that the industry must transition toward more sustainable and responsible practices.



Making an impact

At Farrelly Mitchell, we are committed to reshaping the agricultural industry and building a greener and more sustainable future in line with the United Nations' Sustainable Development Goals. While growing consumer and regulatory pressures may be daunting for those in the industry, we believe that incorporating sustainable, responsible, and regenerative practices into your production processes can offer tremendous value and a competitive advantage in the right circumstances.

Our highly experienced agrifood consultants offer practical support and actionable recommendations to clients, turning the most ambitious sustainability goals into tangible outcomes. We work with institutional and large-scale land-owners and smallholder farmers to implement the latest in sustainable and regenerative practices, ensuring their operations align with global environmental sustainability and social governance standards. This hands-on approach not only minimises environmental risks but also boosts the value and reputation of farmers and food and agribusinesses.

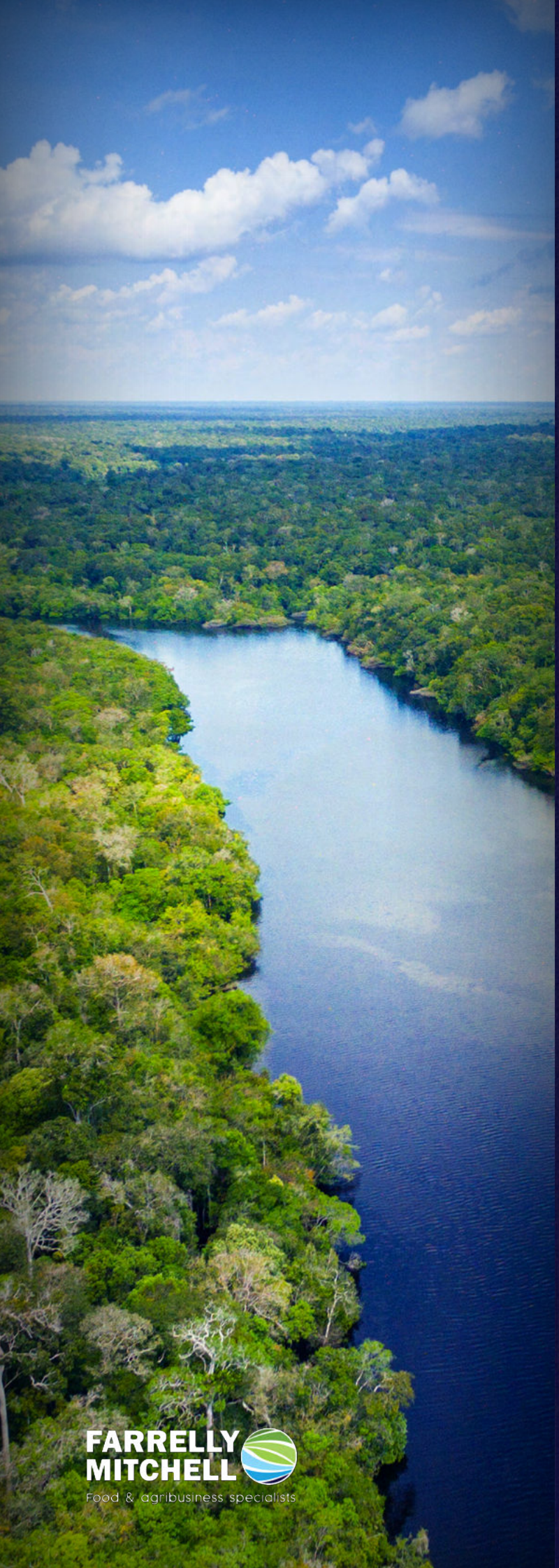
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“To safeguard the future of our planet, the agricultural industry must collectively embrace sustainable practices. Farrelly Mitchell is committed to supporting this transition, providing our clients with deep industry insights and expertise.”

Malachy Mitchell
Managing Director

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Natural **capital**

Agriculture is heavily reliant on natural ecosystems to provide healthy and plentiful food for the global populace. As such, the preservation of nature and biodiversity is paramount, however, agricultural intensification and unsustainable farming practices continue to destroy ecosystems and threaten the fragile balance of nature.

In line with SDG 15, Farrelly Mitchell works to preserve the natural world and protect biodiversity by helping our clients to phase out irresponsible farming practices and implement strategies that strike a balance between commercial success and environmental conservation. We specialise in integrating biodiversity conservation into business models, and we assist food and agribusinesses with adopting sustainable solutions that optimise land use and promote resource management.

Our solutions offer tangible benefits to farmers such as crop pollination, improved soil health, natural pest control, and climate resilience, ultimately leading to reduced production costs, regulatory compliance, and new market opportunities. By doing so, we help our clients protect natural capital while enhancing their agricultural productivity, improving their reputation among consumers, and contributing to a healthier planet.

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Regenerative agriculture

Regenerative agriculture is critical for addressing the long-term ecological impact of traditional farming practices. Through regenerative practices such as nutrient recycling and carbon sequestration, producers can protect soil health, enhance biodiversity, and establish climate resilience on their farm. These practices often require specialised knowledge and upfront costs, which can turn off short-sighted investors who are apprehensive to commit without immediate returns. However, in the long-term, regenerative agriculture can lead to increased productivity, better-quality produce, and protection from climate shocks.

Our team holds deep knowledge in regenerative farming practices and offers holistic services to those looking to implement these practices into their farm. Our expertise covers conservation tilling, cover cropping, carbon soil sequestration, and much more. We provide actionable recommendations and tailored training to farmers on the latest strategies and tools for efficient farm management. Furthermore, we assist in navigating the growing regulatory environment in this area, and can help businesses capitalise on funding opportunities, ensuring a balance between ecological health and economic viability.



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Circular economy

In the agrifood sector, embracing the circular economy is crucial due to the increasing environmental, social, and economic costs of the current linear model of food production. At Farrelly Mitchell, we recognise that transitioning to a circular economy offers significant business benefits, including cost savings through reduced waste and material expenses, new revenue sources from repurposed waste materials, enhanced resource efficiency, regulatory compliance, and market differentiation.

Our experts at Farrelly Mitchell guide public and private stakeholders through the implementation of circular practices. We assist food and agribusinesses in shifting from linear to circular and sustainable production methods, with a heavy focus on waste reduction, resource optimisation, and repurposing of agricultural byproducts. Our goal is to help our clients contribute to a more sustainable and resilient agrifood system, ensuring long-term prosperity and environmental stewardship. This approach not only aligns with global sustainability goals but also opens opportunities for innovation and collaboration across the agrifood value chain.

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Clean **energy**

Energy consumption is crucial for agriculture, however, the way in which we source energy is a growing problem. More than 70% of all power used in food production is achieved by burning fossil fuels such as coal, crude oil, and natural gas, causing global resource depletion and climate change. Transitioning away from fossil fuels and toward clean energy is crucial for the industry in the long-term and is key to the UN's Sustainable Development Goals, however, for many food and agribusinesses, this process is fraught with uncertainties and upfront costs that can scare off investors.

At Farrelly Mitchell, our consultants support clients in the transition from fossil fuel dependency to cleaner alternatives without impacting production. We provide detailed analyses of the technical and financial aspects involved in transitioning to clean energy, ensuring that our clients can profit from their investments while remaining fully complaint with regulatory and contractual obligations.

Our expertise spans a diverse range of renewable energy sources including wind, solar, geothermal, hydroelectric, and biomass energy. We believe that sustainability need not be at odds with commercial value. With our support our clients can seamlessly integrate these changes into their existing operations without impacting their bottom line.

Food loss & waste

Addressing food loss and waste is fundamental in the agrifood sector, as it represents a significant loss of resources and contributes to both environmental damage and food insecurity.

Reducing waste and loss in the food supply chain has countless benefits. For agribusinesses, it can lead to increased efficiency, higher output, and lower production costs, while also complying with growing regulatory demands and UN Sustainable Development Goals. For governments bodies, better waste management systems can directly stimulate agricultural growth and help mitigate poverty, malnutrition, and food security.

Our experts have a keen interest in this area and can support clients with strategies and recommendations to reduce food loss and waste at all stages of the supply chain. Waste can occur for many reasons, from underqualified labour to outdated or inefficient equipment and storage. Our specialists conduct on-site assessments of your operations to identify these inefficiencies and design strategies to address them.

Our goal is to help businesses adapt to more efficient practices, contributing to a more sustainable agrifood ecosystem. With our support, our clients can establish more efficient supply chains, improve their bottom line, build a strong reputation among consumers, and make a lasting impact on one of the industry's more pressing challenges.



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Water management

Efficient water management in agriculture is crucial. Water is an essential input for all agricultural activities, with the industry using as much as 70% of the planet's freshwater resources for irrigation, chemical application, crop cooling, and more. Despite this, access to fresh water for farming is minimal in many regions. Furthermore, poor water conservation and management practices in larger scale farming systems has led to large-scale water depletion, as well as pollution and wastage, that are exacerbating this issue.

In addition to environmental conservation, effective water management can lead to improved efficiency, reduced operational costs, and healthier soils, ultimately enhancing farm or business profitability and sustainability.

Our consultants provide expertise in optimising water usage, minimising waste, and designing and improving irrigation systems. By implementing strategies like drip irrigation, moisture sensors, and repurposing treated wastewater, we help our clients grow healthy crops, achieve efficient water use, and reduce environmental impact, thereby lowering inputs costs and aligning with long-term sustainability goals.

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Agroforestry

Agroforestry is a vital strategy in sustainable agriculture, whereby trees and shrubs are integrated alongside crops and livestock in an effort to maintain a more natural ecosystem and foster biodiversity.

In addition to environmental health, agroforestry can also have a positive impact on agricultural productivity. Trees and shrubs improve soil quality, protect from topsoil depletion, and improve soil carbon sequestration. They also provide shelter to crops and livestock from climate extremes and, in some cases, can be turned into commodities themselves through harvesting and selling of fruits, nuts, or timber.

Our agroforestry consultants provide tailored solutions that balance ecological conservation with agricultural efficiency. We focus on helping farmers adopt agroforestry systems that boost productivity, diversify revenue sources, and align with consumer and government demands for sustainable practices. Our approach combines on-site analysis with data-driven strategies to seamlessly integrate agroforestry into existing operations.



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How **Farrelly Mitchell** can help your business sustainably grow

Sustainability and environmental stewardship are at the heart of everything we do at Farrelly Mitchell. We offer a suite of services to governments, institutional investors, multilaterals, businesses, NGOs, and DFI's who are looking to make a lasting impact and establish sustainable growth within the food and agribusiness industry.

We go to great lengths to ensure that our work is comprehensive and holistic, covering everything from strategy design to execution. The solutions we provide are tailored to the specific needs and capabilities of our clients and informed by a blend of practical experience and cutting-edge analytics tools. This means that our solutions are rooted in real-world application and supported by empirical data.

Our services are delivered by three primary teams:

- **Commercial & technical**
- **Food systems**
- **Develvopment & impact**

Commercial & technical services

Our commercial and technical consultants help clients realise their goals and maximise their returns. Our clientele ranges from established multinational agribusinesses and innovative startups, to private equity and institutional investors. We have supported major investment projects, large operational changes, market entry strategies, mergers and acquisitions, and more.

- **Due diligence:**
  Analysing the commercial, technical, operational, and ESG performance of a business to evaluate opportunities, mitigate risks, and foster informed growth decisions.

- **Market intelligence & insights:**
  Providing deep, actionable insights into navigate market dynamics and consumer trends, that drive competitive advantages, and capitalise on growth opportunities.

- **Feasibility & financial modelling:**
  Delivering robust commercial and technical reports on your latest projects and offering detailed insights into the viability of investments.

- **Risk analysis & management:**
  Conducting thorough on-site audits and scanning markets and regulatory environments to identify threats and address them before they develop.

- **Strategy & execution:**
  Designing commercial, operational, and technical strategies that enable long-term success and bridge the gap between strategy and execution.

- **Value creation & implementation:**
  Designing and implementing improvement programs that enhance performance, drive sustainable growth, and generate long-term value for your business.

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Food systems services

Our food systems specialists have decades of experiencing working with all facets of food production and consumption. We design solutions that deliver long-term economic, health, and environmental outcomes.

- **Sustainability & ESG:**
  Building a brighter future through environmental sustainability and social governance initiatives.
- **Traceability & transparency:**
  Meeting rising consumer and regulatory demands for authenticity and accountability.
- **Supply chain optimisation:**
  Maximising efficiency and value in the agricultural supply chains through tailored optimisation strategies.
- **Technology & innovation:**
  Helping agribusinesses foster innovation with cutting-edge and innovative new tools.
- **Policy & regulations:**
  Strengthening and applying agricultural policies for a safe and reliable future.
- **Food safety:**
  Upholding the highest standards of food safety and quality control to ensure healthy, safe, and nutritious agricultural products.

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Development & impact services

Agricultural development is one of the most powerful tools for improving food security, stimulating economies, and building safe, secure, and sustainable food systems. In many developing countries, poor management, weak infrastructure, and a lack of industrialisation has directly led to widespread inequality, poverty, and malnutrition. Our experts seek to improve agricultural productivity in these regions and make a profound impact on the lives and livelihoods of the people who suffer the most.

- **Nutrition & food security:** Driving nutritional and economic improvements by strengthening food production systems.
- **Institutional development:** Building robust agricultural institutions for stronger, more efficient sector governance and development.
- **Capacity building & training:** Regional training programs targeting modern farming techniques and technology.
- **Market linkages & value addition:** Empowering smallholders and strengthening supply chains with greater market access and value-adding processes.
- **Programme design & implementation:** Supporting the design and mplementation of impactful and sustainable agri-development programs.
- **Impact evaluation & monitoring:** Measuring success and driving improvement with thorough impact assessments and ongoing monitoring and evaluation.

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Contact us

Achieving the Sustainable Development Goals will require a fundamental change of approach throughout the entire agricultural industry.

This road is set to be long and challenging, but with our support you can confidently and seamlessly introduce sustainability into your operations, navigate ever-changing regulatory requirements, and make impactful changes that are both ecologically and economically beneficial. To learn more about our services and how you can thrive in this new era, contact us today.



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