



THE LATEST PLANT SCIENCE INDUSTRY NEWS

From the CEO

As global citizens, we face a profound moral imperative: to ensure that every person, regardless of geography or socio-economic status, has access to adequate and nutritious food.



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CropLife acknowledges the original farmers and custodians of the lands we live on.

To deliver food and nutritional security requires growing more food more sustainably, as well as reducing food loss and waste at every stage of production and consumption. This imperative is the core mission and innovation driver of the plant science industry.

While Australia is fortunate to have a modern and efficient farming sector that ensures our own food security, we live in a world where nearly 800 million people go hungry, and malnutrition continues to wreak havoc. Addressing food and nutritional security is not just a matter of compassion — it's a foundational step toward achieving peace, prosperity and sustainability.

In this modern era marked by technological advancements, it's paradoxical that we can produce enough food to feed the entire planet, yet millions still starve. A significant part of this paradox is food loss and waste. Approximately one-third of all food produced for human consumption is lost or wasted every year. This waste doesn't only represent lost calories but also squandered resources like water, energy and labor.

However, adversity breeds innovation, and therein lies our hope. We are now witnessing the dawn of a new agricultural revolution. Cutting-edge technologies such as precision farming with modern pesticides, CRISPR gene-editing and AI-driven predictive analysis are empowering farmers to grow more food with fewer resources.

Vertical farming, using stacked layers to cultivate crops, not only optimises space but also enables further sustainable use of inputs. Moreover, innovations in biotechnology have the potential to develop crop varieties that are more resilient to pests, diseases and extreme weather conditions.

In parallel, addressing food waste demands both technological and societal solutions. The rise of smart packaging that can indicate food freshness and apps connecting surplus food with those in need, are glimpses of a future where food waste diminishes. Equally important is fostering a global culture that respects food, emphasising its value from farm to fork.

The quest for global food and nutritional security is a shared responsibility. It is an ethical obligation that intersects with our survival, health and the sustainability of our planet. By embracing and investing in new technologies and innovative solutions, we can bridge the gap between abundance and need, ensuring that every individual has a seat at the global dining table.

Here in Australia, it falls on government to provide a stable, science and evidence-based regulatory system for all agricultural sectors. Without this, baseless political language threatens to warp public policy and compromise the capacity to achieve global food security sustainably. The challenge before the plant science industry and the nation's farmers is hard enough as it is.