



We create chemistry

# Sustainability in Agricultural Solutions across Australia and New Zealand

We create chemistry  
for a sustainable future

We want to contribute to a world that provides a viable future with enhanced quality of life for everyone. We do so by creating chemistry for our customers and society and by making the best use of available resources. Sustainability is at the core of what we do, a driver for growth as well as an element of our risk management.

## Corporate commitments

We have defined sustainability focus areas within our corporate strategy. These formulate the commitments with which BASF positions itself in the market and how it aims to meet the growing challenges along the value chain.

Suppliers

BASF operations

Customers

And along the way...

**We source responsibly**



**We produce safely for people and the environment**



**We produce efficiently**

**We drive sustainable solutions**



**We value people and treat them with respect**



## Our sustainability goals and KPIs

BASF welcomes the Sustainable Development Goals (SDGs) and supports the UN in making our planet more sustainable. BASF was actively involved in the development of the SDGs as a member of the working groups. Of particular importance to BASF are the SDGs: Zero Hunger, Good Health and Well-being, Clean Water and Sanitation, Decent Work and Economic Growth, Industry, Innovation and Infrastructure, Sustainable Cities and Communities, Responsible Consumption and Production, Climate Action, Life on Land and Partnerships for the Goals.

### BASF is contributing to the SDGs in the following areas:

#### Effective climate protection

- Reduce our absolute CO<sub>2</sub> emissions<sup>1</sup> by 25% by 2030 compared with baseline 2018
- Achieve net zero CO<sub>2</sub> emissions<sup>1</sup> by 2050

#### Resource efficiency and safe production

- Reduce worldwide process safety incidents per 200,000 working hours to ≤ 0.1 by 2025
- Reduce the worldwide lost-time injury rate per 200,000 working hours to ≤ 0.1 by 2025
- Introduce sustainable water management at our production sites in water stress areas and at our Verbund sites by 2030

#### Sustainable product portfolio

- Achieve €22 billion in Accelerator sales<sup>2</sup> by 2025

#### Employee engagement and diversity

- Increase the proportion of women in leadership positions with disciplinary responsibility to 30% by 2030
- More than 80% of our employees feel that at BASF, they can thrive and perform at their best

#### Responsible procurement

- Cover 90% of our relevant spend<sup>3</sup> with sustainability evaluations by 2025
- Have 80% of our suppliers improve their sustainability performance upon re-evaluation



**Scan for more information on how BASF supports the UN SDGs.**

<sup>1</sup> The goal includes Scope 1 and Scope 2 emissions without emissions from sale of energy to third parties. Other greenhouse gases are converted into CO<sub>2</sub> equivalents according to the Greenhouse Gas Protocol.

<sup>2</sup> Products with substantial contribution to sustainability

<sup>3</sup> Relevant spend; based on risk matrices, purchasers' assessments and other sources

## Circular economy

For BASF, circular economy is much more than waste management. The aim is to close cycles, use products and resources in the best way possible across the entire value chain, and support our customers in their journey towards a more sustainable future.

The circular economy model has been gaining ground in politics, industry, and society over the last years. Behind this idea is a change away from the linear model of "take-make-dispose", to a system of closed loops powered by renewable energy. The chemical industry and its innovations can lead the way in this change. BASF is already applying circular economy in several ways.



We aim to **double** our circular sales to reach **€17 billion** by 2030.



We commit to using **250,000 metric tons** of recycled feedstock by 2025 globally.



We run a **Circular Economy Program** to accelerate the transition.

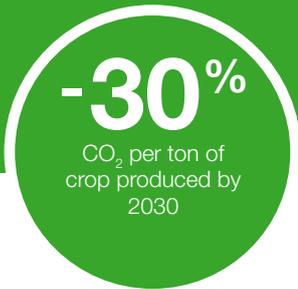
# Sustainability in Agricultural Solutions across Australia and New Zealand

Over the coming decades, our agricultural food system will undergo an accelerated transformation in order to provide access to enough healthy and affordable food for the growing population. At the same time, it will need to mitigate its impact on our planet so that future generations can flourish.

BASF Agricultural Solutions aims to translate sustainable initiatives into realised actions and has set the following global sustainability targets, to be achieved by 2030. Here are some examples of sustainability initiatives across Australia.

## Our Agricultural Solutions global sustainability targets

### Climate smart farming



Supporting farmers to become more carbon efficient and change to resilient to volatile weather conditions

### Sustainable solutions



Steering our portfolio systematically to increase the share of sustainable solutions we bring to farmers year by year

### Digital farming



Helping farmers to grow profitably and reduce their environmental footprint

### Smart stewardship



Striving for zero farming incidents that impact human health and the environment

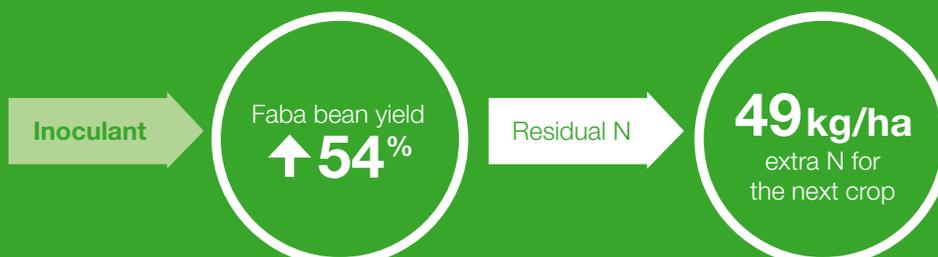
## Serifel - BASF biologicals

Agricultural biologicals are a diverse group of products derived from naturally occurring microorganisms, plant extracts, beneficial insects or other organic matter. Leveraging both biology and chemistry, BASF is able to provide sustainable solutions, encompassing soil, seed and all life stages of plants until harvest, for growers who need more productivity out of every acre they work. BASF's Serifel® biological fungicide achieves disease control with significantly less active ingredient, resulting in minimal spray deposits on the fruit, keeping the berry looking its best. This is also complementary with an integrated pest management program.



## Nodulaid – biological inoculant

With more than 65 years of experience in biological inoculants, BASF has produced an innovative strain of drought-tolerant rhizobium – under the brand name Nodulaid® – which enables legumes to survive and be productive in difficult conditions. The specially-developed inoculant enables Tedera, a new pasture legume variety for water deficient soils, to survive in difficult landscapes and dry conditions. Tedera requires inoculation to ensure it can provide sufficient nitrogen to feed the crop and choosing to adopt a biological inoculant is both an efficient and sustainable approach.



*This diagram shows the result of a CSIRO/GRDC trial that increased nitrogen fixation by 700%. The benefit of using inoculants can vary widely, depending on the existing levels of rhizobia in the soil.*

## Eco-packaging

BASF Agricultural Solutions adopts eco-packaging technology in packaging products where suitable. All materials are polyethylene and use 20% less plastic than standard industry products. Aside from its sustainable attributes, the packaging also has a multitude of functional benefits – making it easier to store, use and dispose of. The eco-packaging concept is eco-efficient as it takes less plastic to make the new canisters, resulting in reduced greenhouse gas emissions during production.



## Research farms – Tamworth

Alongside the sustainable solutions that BASF drives, there is a focus on embedding sustainability within the research processes that produce the final product. At our Crop Solutions farm in Tamworth, NSW, the research team is proving that indeed, from little things, big things grow. In their work trialling new crop protection products developed by BASF's global experts, the Tamworth team ensure that stewardship requirements are upheld. At Tamworth, we aim to pioneer sustainable practices at the farm, one of which is a system for the disposal of chemicals released via the washing of machinery - which aims to minimise and remove waste in an environmentally friendly manner.

