



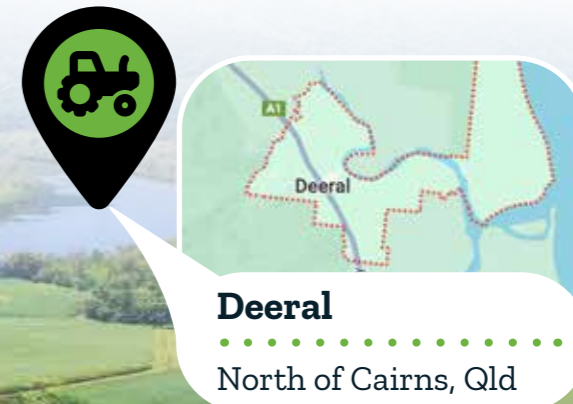
Industry Stewardship for a Great Barrier Reef



Safeguarding our natural wonder and agricultural productivity with plant science and best-practice farming.

Where land meets the sea

A snapshot of the value of agriculture in the Great Barrier Reef (GBR) region



\$23.67 billion
production value

65%
of Australia's sorghum



95%
of Australia's sugarcane



94%
of Australia's bananas

Did you know?

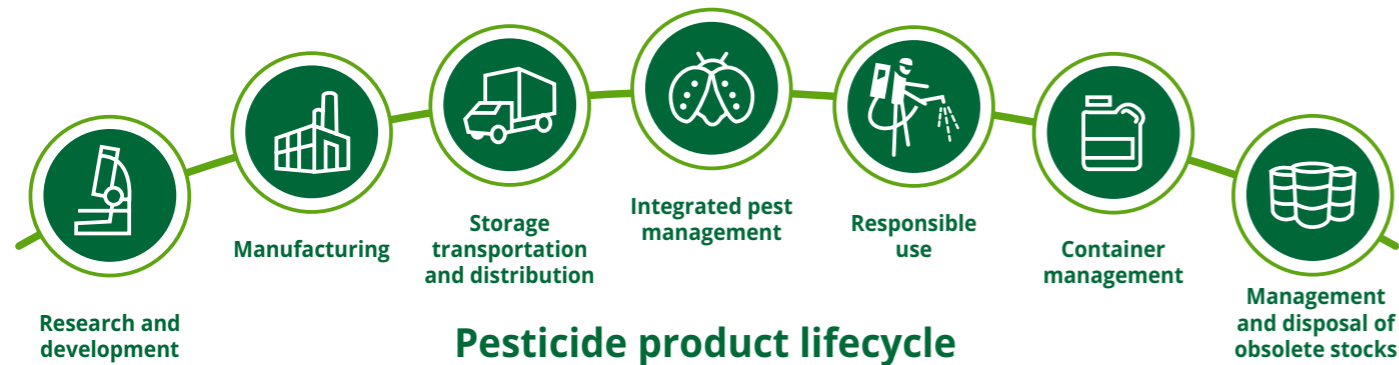
The adoption of new plant science innovations has reduced the need for inputs whilst improving crop yields and increasing environmental stewardship. In 2020, GM crops reduced CO2 emissions equivalent to **taking 15.6 million cars off the road** for a year.

StewardshipFirst®

Investing in the long-term health and protection of the Great Barrier Reef

CropLife and its members are committed to whole-of-lifecycle product stewardship.

CropLife Australia's StewardshipFirst suite of initiatives have transformed sustainable farming practices and underpinned measurable improvements in water quality in the GBR catchment area.



Did you know?

The adoption of on-farm **best-practice management**, like increased buffer zones, filter strips and reducing soil erosion through no-till practices **significantly mitigates pesticide run-off**.

MyAgCHEMUSE 

 SprayBest

That's why CropLife Australia's MyAgCHEMUSE and SprayBEST resources were developed. These help farmers adopt agricultural methods that prioritise human safety and environmental stewardship, including:

- adherence to product labels
- managing pesticide run-off
- spray drift mitigation
- collection, disposal and recycling.

Developed by industry, for industry

Stewardship initiatives have led to improved land management practices in reef catchment areas. This has resulted in significant progress towards **halting and reversing** the decline of the water quality entering the reef.



While improvements in technology are better at detection, the *2022 Reef Report Card* shows improving adoption of best management practices, and that at least **95% of aquatic species are at zero risk from trace pesticides.**



The refinement of modern chemistry has enabled a **95% reduction** in application rates per hectare for the same amount of protection.



It's better than expected. Despite stewardship initiatives resulting in clear positive outcomes, modelling of the Reef's future health does not include the positive impact of stewardship initiatives.



Commending our world-leading farmers. CropLife proudly sponsors the Queensland Farmers' Federation Reef Pesticides Stewardship Champion Award which recognises exemplary efforts to improve farming practices and reduce pesticide run-off.

The sustainable coexistence of agriculture and environmental stewardship

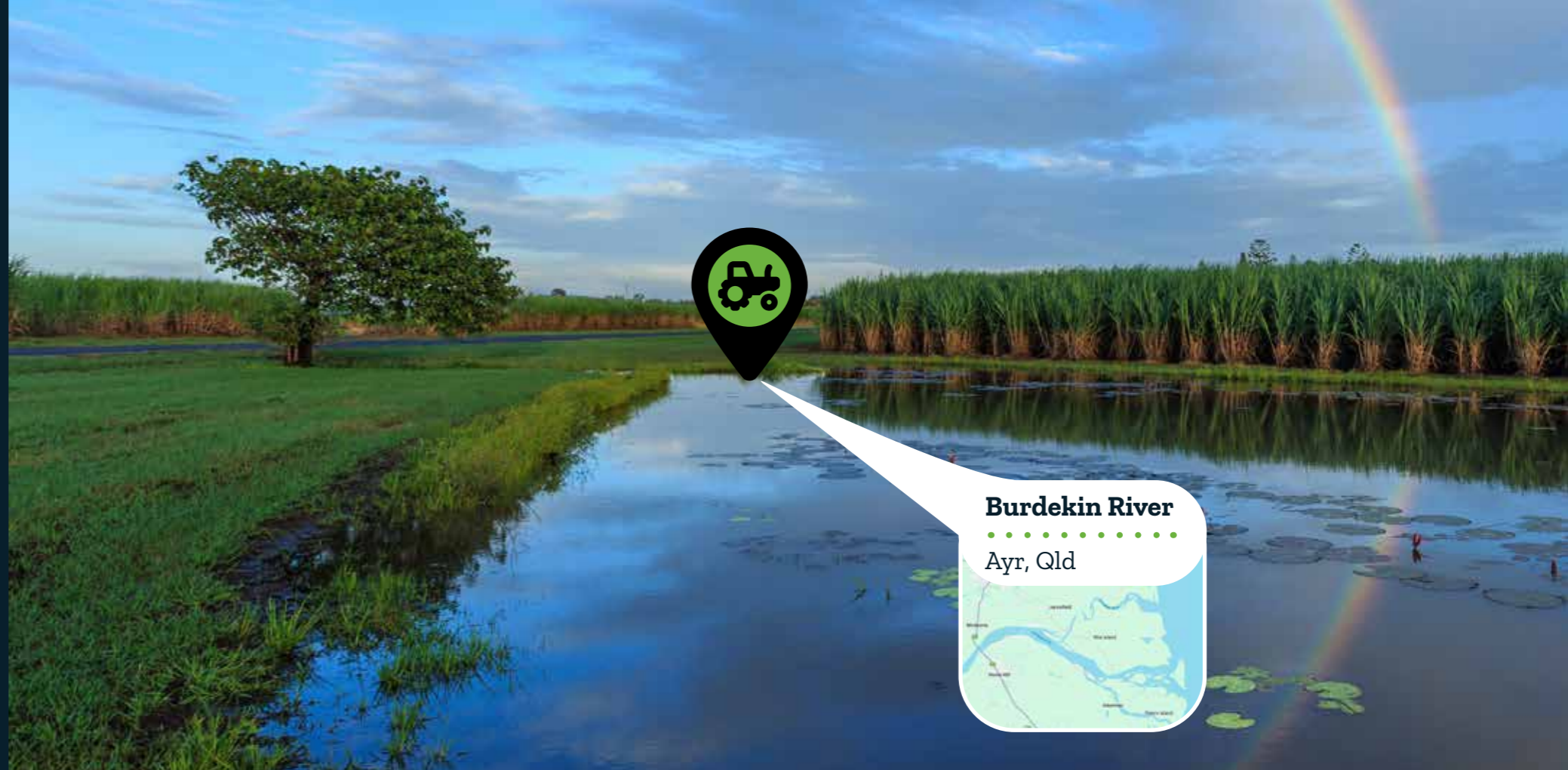
Concerted efforts by farmers, industry, researchers and government to promote and implement best-practice land management strategies have seen substantial improvements in water quality in the Wet Tropics whilst maintaining agricultural productivity.

Farmers in the GBR region are a great example of the economic and environmental benefits of implementing best-practice land management changes.

CropLife's StewardshipFirst initiatives have been key resources for the adoption of integrated pest management (IPM) techniques, which have positively impacted irrigation practices and reduced pesticide run-off.

Industry-led stewardship gets results

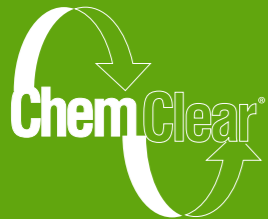
The Burdekin region, an area of significant sugarcane production, has seen as much as a **45% improvement** in pesticide detections in flowing water since 2018.



Burdekin River

Ayr, Qld





Assisting farmers in disaster declared areas

ChemClear® is the national program for the collection and responsible disposal of damaged, unwanted or unknown agvet chemicals. The program has operated in Queensland for 16 years, collecting on average more than 14,500 L of obsolete chemicals from farm properties.

ChemClear® has been crucial following environmental disasters. Removing impacted agricultural chemicals preventing them from entering waterways and reaching the GBR. Recent cleanup events include:

- 2011 floods
- 2013 Cyclone Oswald
- 2022 floods — where more than 9,000 L of impacted ag chemical was removed from affected properties in QLD and NSW.



CropLife's flagship stewardship initiative


drumMUSTER® facilitates the collection and recycling of eligible, empty and clean agvet chemical drums and accounts for nearly 40 per cent of Australian agriculture's recycling efforts. The program is operated by CropLife's not-for-profit stewardship subsidiary, Agsafe.

Did you know?

drumMUSTER® has operated in the GBR region for 23 years. With nearly 170 collection points across the region, it collects on average almost 147,000 drums each year!

CropLife Australia represents the innovators, developers, manufacturers, formulators, registrants and suppliers of crop protection products (pesticides) and agricultural biotechnology innovations.

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Scan to learn more about how industry-led stewardship protects the Great Barrier Reef

Representing the best of the plant science industry



ADAMA



Supporting partner

