Next generation lupins

Collaborating to grow this highly nutritious, high-protein legume as an additional future protein source.

World's biggest producer

More than half of the world's lupins are grown in Western Australia.

Part of the human diet for thousands of years

While today's consumer markets for lupins are relatively small.

There's a big opportunity to grow lupins as an additional future protein source.

Highly nutritious

- High protein and fibre
- Low starch and fat
- Low GI

But there are some constraints in protein extraction and consumer acceptance.

Collaborate to innovate

Together we can solve R&D challenges and accelerate development of innovative new products.

- Enhance quality
- Increase value
- Enter new markets

Additional products, new markets

Protein | Flour | Flakes

At the cutting edge of legume grain quality

New opportunities are being created in processing lupins on shore for high-value protein ingredients, instead of relying on imports.

The R&D opportunity

- Crop breeding for protein content and quality
- Explore potential consumer health benefits
- Assessing impact of processing on functionality
- Enhance flavour profile for new products

Advantages to farmers

- Lupins fix nitrogen
- Ideal for crop rotation
- Enhanced revenue stream

Collaboration across the value chain

- Optimise grain quality
- Enhance protein quality
- Refine extraction in processing
- Develop innovative lupin protein products

We're on a mission

Our **Future Protein Mission** is targeting lupins as a key plant protein crop and growth opportunity for Australia.

We're convening new partnerships and R&D projects between industry and the research sector to capture this opportunity.

csiro.au/future-protein-mission

Australia's National Science Agency

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