How do Kangaroo's thrive and survive in one of the harshest climates on Earth?







ProAgni is an Australian agricultural bioscience company.

We are committed to decreasing the environmental footprint of animal production, without increasing the costs of that production.

We develop and commercialise animal nutrition products which improve farm economics and address global challenges, such as: food security, antimicrobial resistance, and emissions.

We aspire to be the future of affordable, abundant & clean food.



Kangaroo's are the gold standard in feed efficiency...And they don't have to eat antibiotics to do it!

FACT: Kangaroos aren't ruminants, but they are fermenters. Some of the most efficient fermenters on Earth.



We are both foregut fermenters









"Manipulation of diet is regarded as the most convenient and effective measure to optimise rumen function, create feed efficiency, and reduce emissions"¹.



Why is the timing right for the development of these products?

Sustainable Food Production

Clean, Affordable and Abundant



ProAgni biotechnology has two parts:

Replace

Remove

ProTect[™]

Stability and balance of rumen fermentation

Antibiotics

ProAgni

Anaerobe Probiotic Technology

Influencing microbial populations

ProTect[™] - optimizing digestion



Antibiotic free supplementation for intensive feeding in market

√ Safe

✓ Effective

✓ Quality

✓ Affordable





20%

More efficient production

Zero

In feed Antibiotics

>1 Million

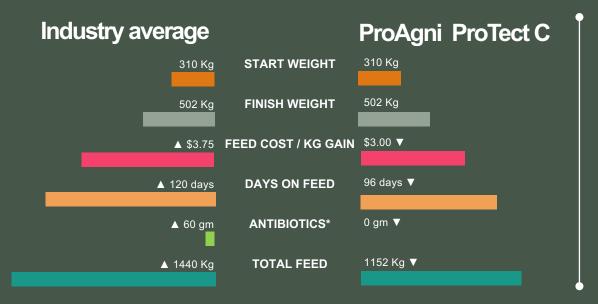
Animals Fed

\$2.5 Million

Sales



Cattle

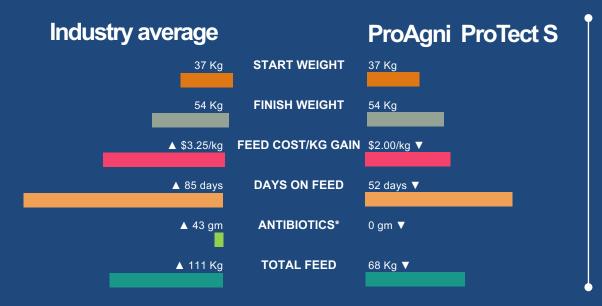


The ProAgni difference.

- ✓ 20% LOWER COST OF GAIN
- ✓ 20% FASTER GROWTH
- ✓ ZERO ANTIBIOTICS
- ✓ 20% LESS FEED



Sheep



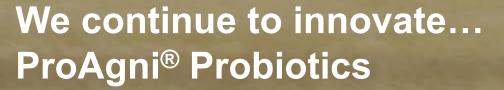
The ProAgni difference.

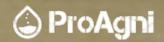
- ✓ 38% LOWER COST OF GAIN
- ✓ 38% FASTER GROWTH
- ✓ ZERO ANTIBIOTICS
- ✓ 38% LESS FEED



"We use ProTect S because it works. We can produce exceptional, healthy lambs at low cost without using antibiotics."

ROB & JUDE COOKE, DILLEDEWONG PASTORAL CO.









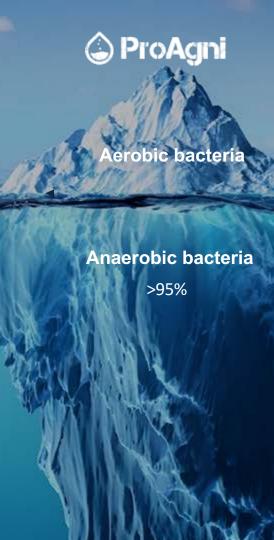
We have been working on a delivery mechanism for dry form obligate anaerobes. In 2019 we succeeded.

Obligate Anaerobe Probiotics. The next frontier in animal nutrition

Most important species, identified for manipulating diets and to improve productivity. Require specialized conditions including the complete exclusion of oxygen.

ProAgni dried-form delivery probiotics;

- ✓ Retain the proven efficacy
- ✓ Lower the effective dose
- ✓ Shelf stable for long periods at room temp
- ✓ Potential to be administered in-feed
- ✓ Scalable and enabling technology for alt species



ProAgni Probiotics



This patented technology allows for the next generation of ground-breaking technology to enhance our food production systems.

- √ Faster transition between diets
- ✓ Better utilisation of Feed
- ✓ Healthier Animals

- ✓ Less time
- ✓ Less waste
- ✓ Less emissions
- ✓ Less antibiotics





NITROUS OXIDE SPECIES REDUCTIVE ACETOGEN SPECIES KEY ENABLING TECHNOLOGY

Market Opportunity



The existing feed additives market is approx. \$40b and growing due to increasing demand for food.

- Looking at the feedlot market only, and based on current royalty pricing, we estimate our TAM at \$5.1b with SAM at maturity of \$387m. This is for the existing product range only with no extensions into dairy or monogastric.
- For the probiotic, TAM is \$645m and SAM \$46m.



The ProAgni team





LACHLAN CAMPBELL

Co-founder and CEO
Ba. Ag Economics, GAICD

Lachlan drives business development and industry engagement; generating sales and building the reseller & manufacturing network. Lachlan grew up on the family sheep farm in Australia and a consultant to the Sheep & Cattle Industry.



FIONA SOULSBY

Co-founder and CFO
Ba. App. Sc. Nuclear Medicine; MBA
Prof. Accounting, GAICD

Fiona has 'built' ProAgni operations and is currently responsible for finance, IP protection and administration. Fiona's science and research expertise is invaluable managing R&D partnerships, trials and regulatory requirements.



ROBERT BELL

Co-founder and CTO Ba. App. Sc. Agriculture

Rob is 'at the coal face' of our nutritional feed supplements. An integral contributor to R&D, & the roadmap for future product development. Rob is a animal production specialist in extensive and intensive livestock systems.



WARREN LEE

Commercial Director
Ba. LLB, Law, Philosophy (Hons), MAICD

Warren, an M&A lawyer, has been responsible for building commercial relationships and instrumental in IP protection. Warren's law and investment banking experience in high growth companies are invaluable.



We don't believe long term sustainability comes at a short-term cost.









BEEF AUSTRALI 2018
WINNER PITCH IN THE PADDOCK
2018 FINALIST BRAND INNOVATIO







