

ProAgni Protect S in a minimal fibre diet in Lambs – Summary Trial Report

ProAgni ProTect S is a pelletised feed supplement, designed to be fed with cereal grain rations to provide vitamin and mineral support while helping to optimise feed efficiency and performance. It is appropriate for use in feedlots and drought lots, supplementary feeding or weaning.

ProAgni ProTect S contains Acid Buf, a highly effective rumen buffer, and Optiwise™ a patent pending additive of organic and inorganic bio-available minerals, trace elements (Cobalt, Copper, Iodine, Manganese, Selenium & Zinc), vitamins (A, D and E) probiotics, bioactive and antioxidants. The product does not contain antibiotics, ionophores or urea.

Location of Trial - Prime lamb commercial feedlot, Sth Queensland, Australia

Baseline Details

230XB Lambs

Pre-treatments included;

- Tridectin™ oral drench @ 7ml
- Glanvac® 6 B12 @ 1ml
- Troy Vitamin A, D & E @ 1 ml
- Shearing

Acclimatisation period of 6 days

Ration

75% Barley

20% Lupins

5% Protect S AIF

Hay not replenished post day 3 of full feed

Induction period 10 days

Start weight average of 31kg

Finish weight average of 51kg

Key Outcomes of using ProAgni Protect S

- ⇒ Protect S provides suitable protection of lambs fed low fibre diets
- ⇒ Protect S fed lambs achieved good live weight gain with optimal feed efficiency
- ⇒ Protect S performed to expectation in a commercial feedlot environment

Key Metrics Achieved

Total Liveweight Gain	20kg/hd
Average Daily Gain	324 grams/hd/day
Feed Conversion Ratio	3.8:1
Morbidity	2.5%

Key Observations

63-day trial was run 1st November 2018 – 3rd January 2019

- ⇒ Animals were exposed to challenging weather conditions with 54 days of feeding with daytime temperatures exceeding 30 degrees, and 23 days exceeding 35 degrees
- ⇒ 65 mm rain fell during the trial period

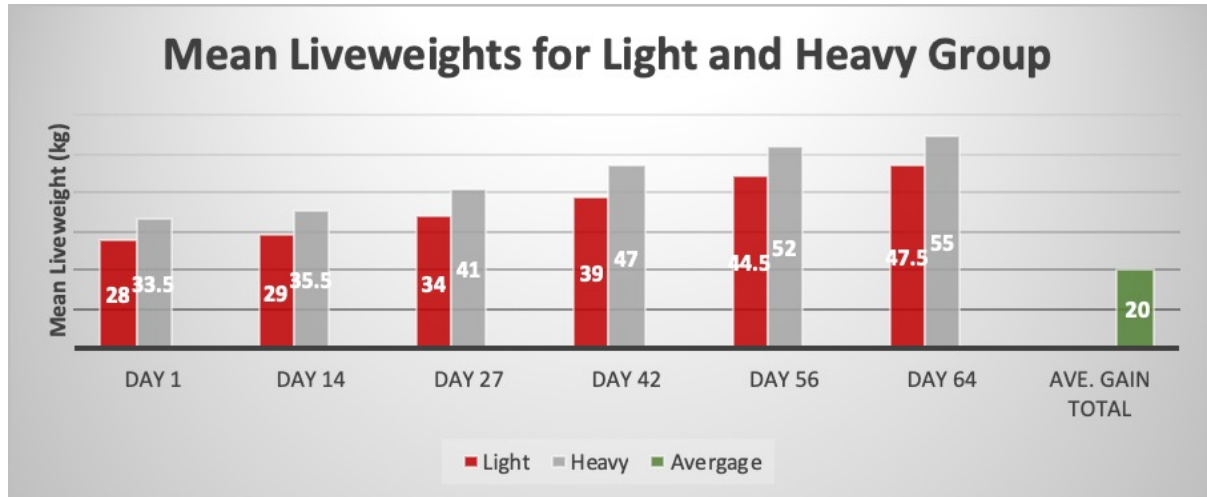
Ration under-dosing during the trial

Adaption period important to ensure lambs acclimatise to eating grain ration from feeders

Live-weight Gain

Light group Ave. LWG of 19.5kg/hd

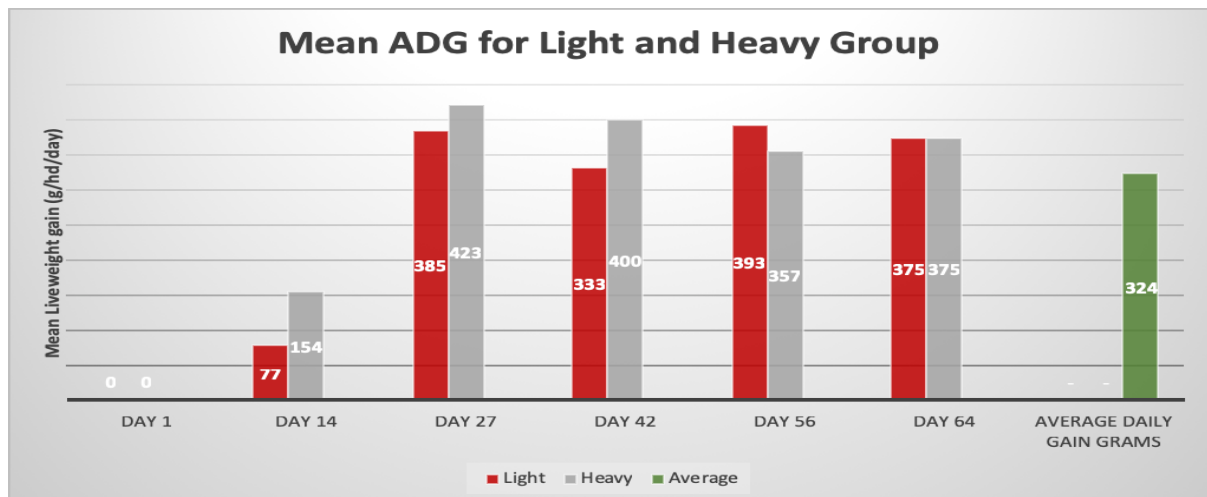
Heavy group Ave. LWG of 21.5kg/hd



Average Daily Gain

Light group ADG of 309 grams/head/day

Heavy group ADG of 341 grams/head/day



Feed Conversion

Light group Ave. FCR 3.7:1

Heavy group Ave. FCR 3.9:1

