

**The
5500HD
is here.**

2020 PRODUCT GUIDE



**The 5500HD
is here.**

All the known
and loved
features of an
Advantage
Feeder, now in a
larger 5500 litre
capacity!



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www.advantagefeeders.com



**ADVANTAGE
FEEDERS**

INCREASING YOUR PROFIT

Advancing ruminant production

Advantage Feeders' sole focus is designing livestock feeding equipment and systems to maximise feed and pasture utilisation. We concentrate our efforts to ensure optimal results for our customers and the wider farming community.

The production benefits that our customers receive include a reduction in labour, less waste, improved animal health, reduced mortalities, consistency of stock condition, increased options in droughts and a higher utilisation of pasture.

Our strong results-based and customer-focused approach means we are regularly conducting profit analysis to measure results and further develop our systems to ensure customers continue to profit from our research.

We stand by our products, offering a market-leading five-year warranty on all products.

We believe that our products have to be simple to use and maintain because if it's easy, it gets done.

Control over the ration is crucial for maximising your profit!

Ration control is crucial to ensuring stock are highly productive with the least amount of supplement. If rationing is only limited by animals becoming tired of licking, it offers minimal control, as they may not stop feeding. Our 3-way restriction system is different to any other feeder on the market. We offer accurate control over the height, depth and width of the feed access area.

When our restriction system is set in a limiting position, the animal's tongue can only touch a few grains or pellets with each lick. The animal accesses the feed using saliva to stick the feed to its tongue and bring it into its mouth for consumption. After approximately five minutes of licking, the animal's tongue becomes dry and it can no longer access the feed. Depending on the paddock environment, stock often come to the feeder 6-8 times/day. This frequency of visits creates a system of providing their supplement in little and often amounts.

In this five minute licking period, a sheep might consume a heaped tablespoon, or 20 grams and cattle might consume a cup full, or 150 grams. This is different to other feeders that rely on the animal to become tired of licking.



HOW IT WORKS

The importance of rumen pH in forage intake and digestion

The growth and reproduction of rumen bugs, or microbes, is key to the productivity of an animal. When an animal eats feed, microbes either convert this feed into volatile fatty acids (energy), or the microbes pass out of the rumen to become part of the animal's protein source (microbial protein).

Microbes are most effective at converting forage (grass, hay and straw) into energy when the rumen's pH is between six and seven.

Starch based feeds are a cost effective supplement, however they increase the production of volatile fatty acids, which lowers the rumen pH.

The more starch based feed the animal eats, the more severely the pH level drops. If fed too much at once, the sudden shock to the rumen suppresses the animal's appetite for 1-2 hours. This limits consumption of pasture, the cheapest source of

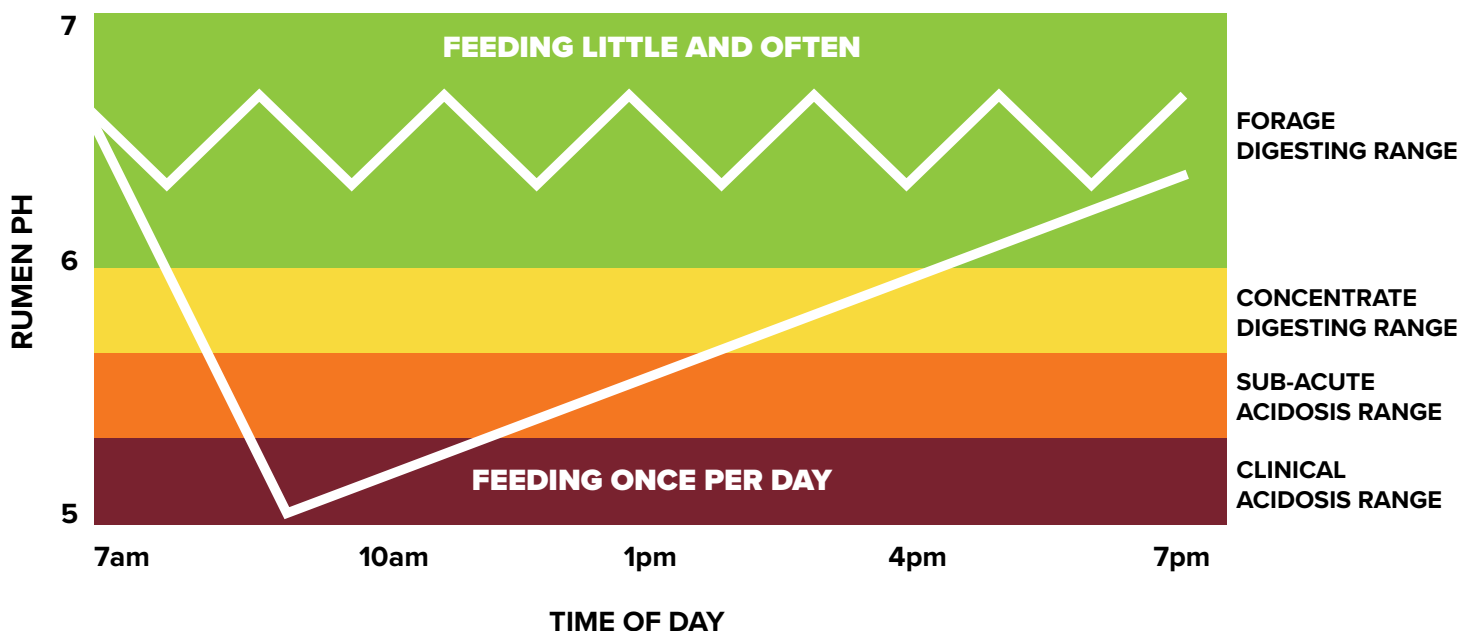
energy and protein. It can take 24 hours for the rumen pH to return to the optimal level for pasture digestion.

A large amount of supplement feed can also cause acidosis. Acute acidosis causes damage to the rumen wall, affecting the lifetime productivity and health of the animal. This is especially important in maternal animals.

Feeding in small and frequent amounts with Advantage Feeders 3-way restriction system, ensures the rumen pH remains in the range where the microbes operate most efficiently.

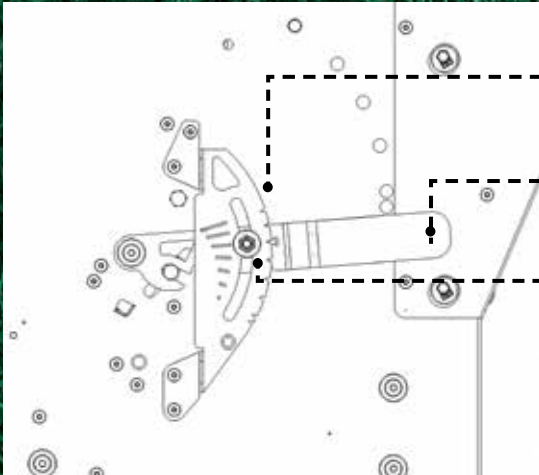
Supplementing in a rumen friendly way provides the microbes with a constant source of energy and protein. This increases their population, allowing the animal to digest more forage, while decreasing the amount of supplement required to meet production targets.

Rumen pH level over time



* www.milkproduction.com/Library/Scientific-articles/Animal-health/Digestive-Physiology-of-the-Cow

HEAVY DUTY FEATURES



A. GAUGE SYSTEM

B. STRONG HANDLE

C. LOCKING NUT

- A. Our notch and dot system provides consistent settings when set by multiple users
- B. The leverage of the 5mm thick handle allows the Upper Adjuster to be moved in small, accurate increments
- C. The nyloc nut locking system makes it much faster to reposition the Upper Adjuster
- Adjustments are made from the end of the feeder, alleviating the need to kneel down (potentially in mud)
- Feeders require less cleaning because clumps of built-up feed can be removed by fully opening the upper adjuster

1. SIGHT GLASSES

2. STRONG ROOF PIVOTS

3. ADJUSTER GUARD HOUSING

4. VIEWING PLATFORM

5. UPPER ADJUSTER HANDLES

6. SIDE WALL GUTTERS

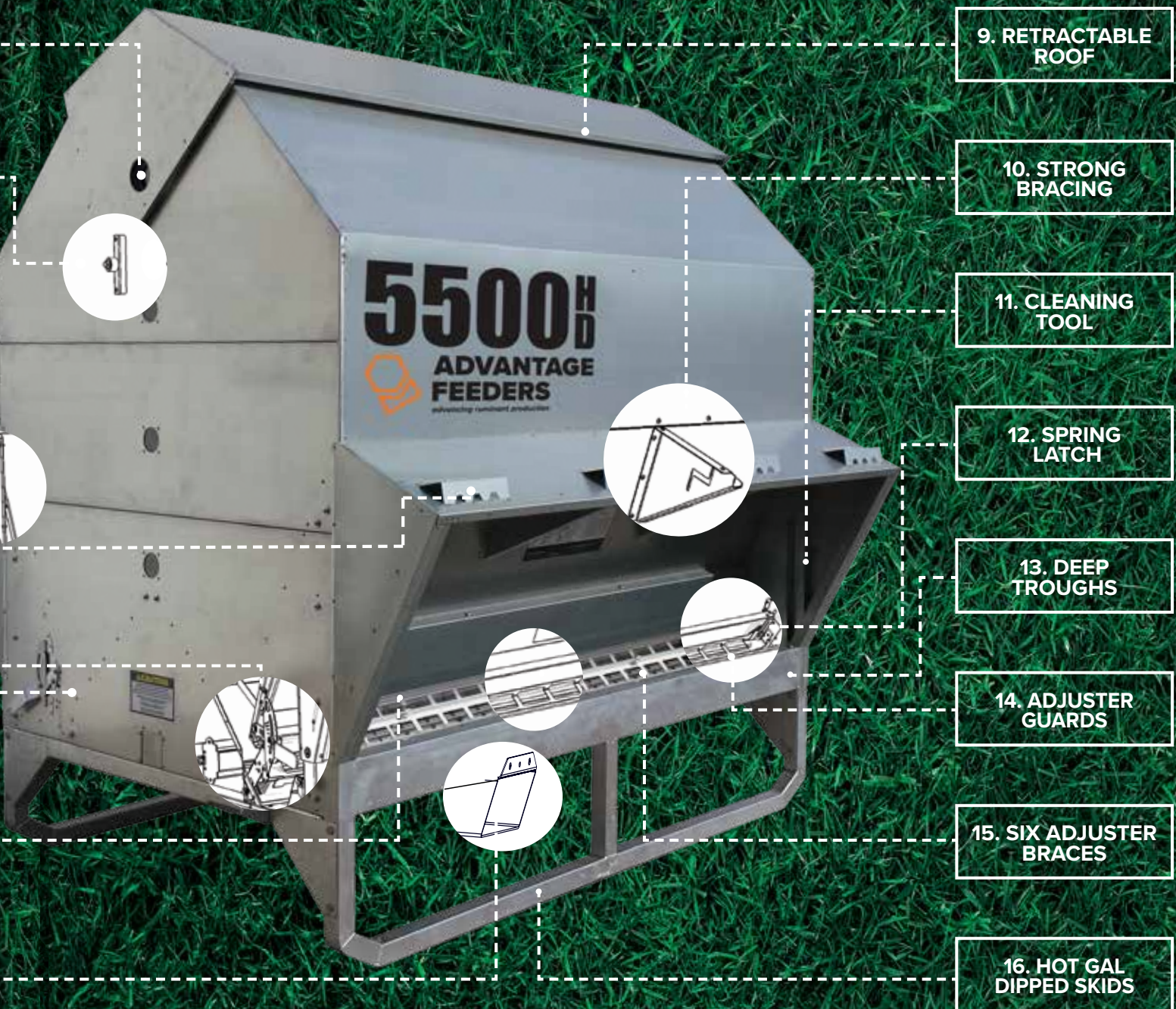
7. STAINLESS STEEL FEED AREA

8. ADJUSTABLE TINE GUIDES

1. Large sight glasses both ends
2. The roof pivot has a solid lug welded to a channel to withstand robust use
3. The Adjuster Guard can be housed under the weather protection to prevent it being lost when not in use

4. Viewing platform on opposing side to roof handle
5. Upper Adjuster Handles
6. Side lower wall gutters prevent moisture running into the feed area
7. Reinforced stainless steel troughs and adjusters

8. Large 200mm x 100mm adjustable tine guides make moving the feeder safe and easy
9. Retractable roof
10. Rain protection bracing increases the weather protection strength



9. RETRACTABLE ROOF

10. STRONG BRACING

11. CLEANING TOOL

12. SPRING LATCH

13. DEEP TROUGHS

14. ADJUSTER GUARDS

15. SIX ADJUSTER BRACES

16. HOT GAL DIPPED SKIDS

11. Cleaning tool and tube spanner are stored where stock can't access them
12. Spring clips allow the Adjuster Guards to be easily removed and replaced for cleaning
13. 140mm deep troughs prevents waste. Designed for front end loader use

14. Adjuster Guards stop stock bull-dozing feed out
15. 6x Adjuster braces with dual tabs to prevent stock forcing access to additional feed
16. 2x Hot gal dipped skids provides superior longevity

- Add-ons including Creep Gates for cattle, and Mineral Attachments
- Weather protection reduces the frequency of cleaning
- User guide and volume stickers make the feeders easy to use

GRAIN FEEDERS

NEW



5500HD Grain Feeder

Weight:	610kg
Feed volume:	5500 litres
Feed weight – wheat/lupins:	4350kg
Feed weight – barley/pellets:	3500kg
Feed weight – oats:	2900kg
Cattle/calves (paddock):	40-50
Cattle/calves (feedlot):	30-35
DIM. cattle height:	2450x2305x2620
Flat packed dimensions:	2440x1160x450



3800HD Grain Feeder

Weight:	430kg
Feed volume:	3800 litres
Feed weight – wheat/lupins:	3000kg
Feed weight – barley/pellets:	2400kg
Feed weight – oats:	1900kg
Cattle/calves (paddock):	40-50
Cattle/calves (feedlot):	30-35
Ewes/lambs (paddock):	200-250
Ewes/lambs (feedlot):	120-150
DIM. cattle height:	2440x1650x2150
DIM. ext. cattle height:	2440x1650x2350
DIM. sheep height:	2440x1650x1950
Flat-packed dimensions:	2440x1160x310



1800HD Grain Feeder

Weight:	350kg
Feed volume:	1800 litres
Feed weight – wheat/lupins:	1400kg
Feed weight – barley/pellets:	1150kg
Feed weight – oats:	900kg
Cattle/calves (paddock):	40-50
Cattle/calves (feedlot):	30-35
Ewes/lambs (paddock):	200-250
Ewes/lambs (feedlot):	120-150
DIM. cattle height:	2440x1650x1450
DIM. ext. cattle height:	2440x1650x1650
DIM. sheep height:	2440x1650x1250
Flat-packed dimensions:	2440x1160x280



800HD Grain Feeder

Weight:	200kg
Feed volume:	850 litres
Feed weight – wheat/lupins:	600kg
Feed weight – barley/pellets:	500kg
Feed weight – oats:	425kg
Cattle/calves (paddock):	20-25
Cattle/calves (feedlot):	15-20
Ewes/lambs (paddock):	100-125
Ewes/lambs (feedlot):	60-75
DIM. cattle height:	1200x1650x1450
DIM. ext. cattle height:	1200x1650x1650
DIM. sheep height:	1200x1650x1250
Flat-packed dimensions:	1200x1160x230



150HD Grain Feeder

Weight:	33kg
Feed volume:	150 litres
Feed weight – wheat/lupins:	110kg
Feed weight – barley/pellets:	90kg
Feed weight – oats:	75kg
Cattle/calves (paddock):	6-10
Cattle/calves (feedlot):	5-8
Ewes/lambs (paddock):	25-30
Ewes/lambs (feedlot):	15-20
Dimensions:	820x388x790

Note: Brackets come standard with the 150HD to hang the unit on gates, fences or steel posts.



M3800HD Grain Feeder

Weight:	610kg
Feed volume:	3800 litres
Feed weight – wheat/lupins:	3000kg
Feed weight – barley/pellets:	2400kg
Feed weight – oats:	1900kg
Cattle/calves (paddock):	40-50
Cattle/calves (feedlot):	30-35
Ewes/lambs (paddock):	200-250
Ewes/lambs (feedlot):	120-150
DIM. cattle height:	3660x1650x2200
DIM. sheep height:	3660x1650x2000
Flat-packed dimensions:	2440x1160x450

Note: On-farm towing only

ALL MEASUREMENTS ARE LENGTH x WIDTH x HEIGHT

PRODUCTS

**NEW
DESIGN**



Tray Hay Feeder

Weight: 200kg
 Bale capacity: 1x 4'x6' round bale
 Gap between bars: 300mm
 Cattle/calves (paddock): 30
 Cattle/calves (feedlot): 20
 DIM. - highest: 2000x1400x1700
 DIM. - lowest: 2000x1400x1200
 Flat-packed dimensions: 2000x1160x200

Note: Gaps between bars are not suitable for bulls. Additional bar kits available to reduce bar width. This product is not recommended for sheep.

**NEW
DESIGN**



Tray Hay Feeder Extended

Weight: 310kg
 Bale capacity: 2x 4'x6' round bales
 1x 8'x4'x4' square bale
 Gap between bars: 300mm
 Cattle/calves (paddock): 50
 Cattle/calves (feedlot): 35
 DIM. - highest: 2000x2700x1700
 DIM. - lowest: 2000x2700x1200
 Flat-packed dimensions: 2000x1160x350

Note: Gaps between bars are not suitable for bulls. Additional bar kits available to reduce bar width. This product is not recommended for sheep.



Hay Feeder Roof

Weight: 33kg
 Assembled dimensions: 900x1400x220
 Flat-packed dimensions: 1400x700x30

Note: When using large diameter bales, a gap may initially exist between the two roof sections until some of the bale is consumed.



Mineral Attachment

Weight: 12kg
 Dimensions: 760x400x550
 Feed volume: 85 litres
 Feed weight – minerals: 110kg
 Feed weight – pellets: 50kg

Note: Brackets come standard with the Mineral Attachment to hang the unit on gates, fences or steel posts.



Rubber Mats

Weight: 50kg
 Assembled dimensions: 3000x1100x5
 Flat-packed dimensions: 1100x300x300

Note: Rubber Mats are sold as a pair. The material is repurposed.

NEW



Yellow Food Dye

Weight: 70g
 Dye Volume: 60ml
 Dye Weight: 50g
 *Sold in packs of 5

Used to identify shy feeders

Note: Food grade: fit for human consumption. A jar of yellow food dye can be used with 200kg of feed.

ALL MEASUREMENTS ARE LENGTH x WIDTH x HEIGHT

CREEP FEEDING

Creep feeding is the method of supplementing the diet of young livestock, by offering feed solely to offspring who are still nursing.

When calves and lambs are born, their initial digestive process is similar to simple-stomached (monogastric) animals that maximise digestion of milk.

Rumen development begins soon after birth and is developed by exposure to

starches that are contained within solid feed, such as pellets and grain.

The images below shows rumen development in calves at six weeks of age, fed various feed combinations (Penn State University). Calves fed grain have a far greater rumen surface area that allows them to absorb energy from grass and feed at a much younger age.

Before the rumen is mostly developed

(Stage 1), it is best to provide ad-lib supplement to ensure the rumen changes to be able to digest forage soon after birth.

After the rumen is mostly developed (Stage 2), it is often most profitable to restrict intake and complement the animal's diet to maximise calf and lamb growth rates without incurring unnecessary supplement costs.



Methodical creep feeding leads to big results

The main outputs from pasture and creep feeding concentrates, such as pellets and grain, are butyric acid, propionic acid and acetic acid. All these acids are utilised by the animal when they pass through the rumen walls, filtering into the blood and travelling to the small intestines.

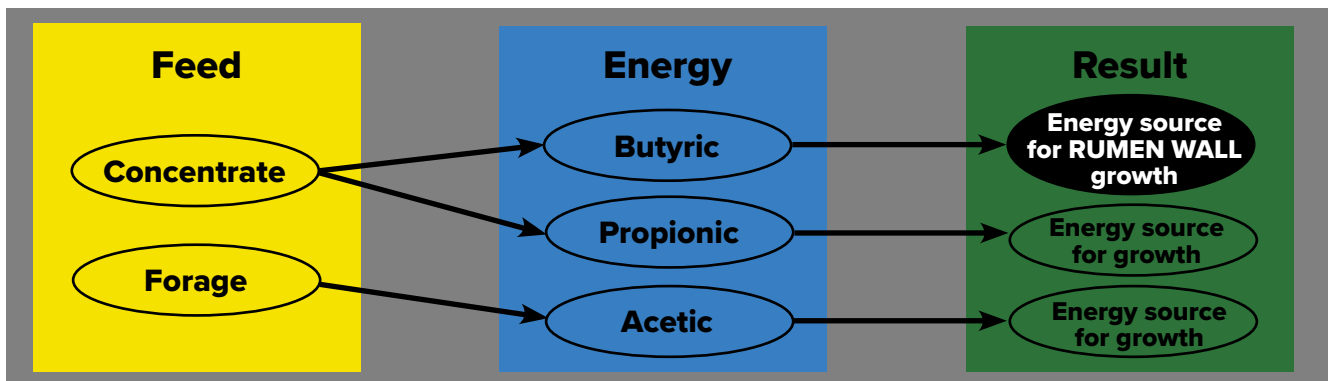
Referring to the image below, we can see that pasture alone produces acetic acid, an energy source required for growth, while concentrate feeds high in starch produce propionic acids and the extremely important butyric acid.

Butyric acid is the game changer. This is because not all of it passes through the rumen wall and in fact, it is the critical component for the growth and development of the papillae in the rumen wall. (see rumen images on page 12)

Feeding a high starch supplement feed to create the butyric acid needed to grow the papillae, doesn't have to be expensive. Up until lambs are approximately 8 weeks of age and calves are 16 weeks of age, the average daily intake is commonly 200g/day

and 750g/day respectively. After these ages, as the rumen papillae become developed, it is common for intake to increase rapidly as the young animals choose to eat the relatively expensive creep feed over pasture.

When good quality pastures are available, it is often most profitable to commence using the Advantage Feeders 3-way restriction system to control the supplement amounts to 200g/day for lambs and 750g/day for calves. These amounts often ensure maximum pasture utilisation.



How our revolutionary creep feeding systems work

CALF CREEP FEEDING

Creep Gates deny cows access to the feeding area because their bodies are too large to fit through the gaps. The gates have an adjustable horizontal bar that can be set at nine different heights. The gates are easily changed from transport/inactive to the creep feeding position.

They have a strong triangular brace to prevent cows from pushing the enclosure and hidden latches to prevent cows from lifting them. It is best to start creep feeding calves before 4 weeks of age. After 12 weeks of creep feeding, it can be most profitable to restrict intake to 0.8kg/day.



Creep Gate Wide

Weight:	80kg
Assembled dimensions:	2450x1400x1400
Flat-packed dimensions:	2450x1160x100
Compatible models:	5500HD
	3800HD
	1800HD
	M3800HD
	M1800HD

Note: This product is sold singularly and feeders can accommodate two Creep Gates.

LOOKING FOR MORE INFORMATION?

See the Creep Feeding explainer video
advantagefeeders.com.au/resources



CATTLE RESULTS

Grain assist steer results

OPERATOR: Matt & Lynley Wyeth

LOCATION: Spring Valley, NZ

BREED: Angus

A mob of 60 rising two-year-old steers given access to 1kg of grain for a 60-day period ate significantly less forage crop, compared to the control mob with no access to grain. The supplemented mob also grew an average of 0.5kg/day more than the control mob.

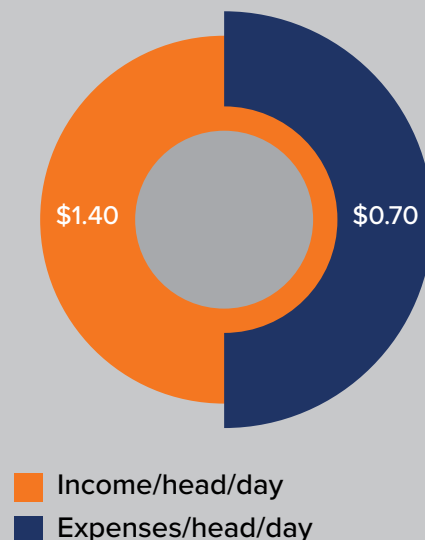
The steers were break fed behind electric fences so the forage consumption was measured and compared. The mob using Advantage Feeders consumed 6kg of forage, compared to the 9kg

the non-supplemented group consumed, simply because the forage was digested more efficiently.

COMMENTS FROM THE OPERATOR:

Our aim is to breed young stock to 300kg carcass weight, however a lull in autumn growth means hitting the contracted weights is always going to take something extra. We need to optimise the feed we have. While the extra weight gain in the supplemented group was a great result, the biggest surprise and benefit was the amount of crop saved.

Daily Income and Expenses/Head



Calf creep feeding results

OPERATOR: Jim Wedge

LOCATION: Warwick, QLD

BREED: Charolais

30 calves, creep fed from Advantage Feeders averaged a weaning weight of 346kg, compared to 307kg for the 30 calves in the control mob.

With an average weight of 110kg at the beginning, the creep fed group averaged a daily weight gain of 1.69kg/day, while the control mob averaged 1.41kg/day.

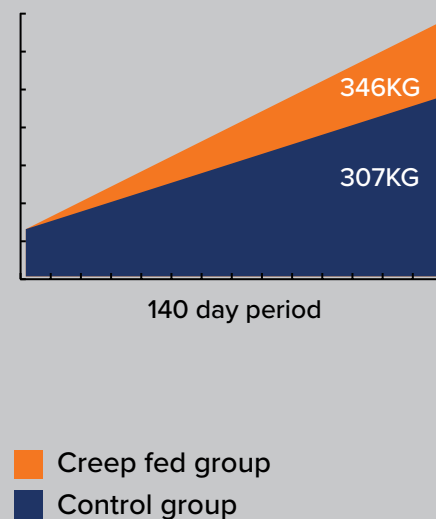
The creep fed mob was much closer to achieving the farms objectives of having heavier heifers for breeding and bulls

in forward condition at 24 months. By being imprinted with the knowledge of eating from feeders, the occurrence of a weaning check was also reduced.

COMMENTS FROM THE OPERATOR:

Shortly after we commenced, the creep fed calves looked noticeably different to the control group. I was very impressed with the engineering of the Advantage Feeders Creep Gates as they make the creep feeding system very easy to set and manage.

Average Calf Live Weight Over Time



TESTIMONIAL

I highly recommend using Advantage Feeders for Creep Feeding. Creep Feeding provides a better end product and reduces the stress on the cows giving them a better chance of calving again next year, whilst limiting grass consumption and allowing for a higher stocking rate. This has proved particularly helpful given the tough seasonal conditions we have had in the previous years.

At first the calves were slow to take to the grain but at around 2-3 months of age we found they were consuming approximately 400g/day. This was as a supplement to a large supply of grass and lasted until weaning.

We have also been using the Advantage Feeders creep gate system with our weaners giving younger lighter calves access while not having to compete against their heavier, older counterparts for trough space.

Not only have we been able to sell our wagyu calves at weaning at average weights up to 225kg LW, but have also enjoyed a 10 cent per kilogram premium from the local feedlot for introducing our calves to grain prior to arrival.

The main benefits of creep feeding in our production system are:

- Ensuring an adequate plain of nutrition throughout, allowing the calf to achieve its optimal carcase marbling potential in later life.
- Creep feeding takes over where the cow fails to keep up.
- Taking nutritional pressure off the cows, especially from 5 months on which results in heavier cows in better condition score with the best chance of resuming oestrus and conceiving. Cows can be easily up to 50-60kg heavier as a result of the nutritional relief that creep feeding their calves provides.
- We now only have to allow our cows 1-month reprieve between weaning and joining instead of traditional 3 months.

Before investing in Advantage Feeders, we were using another brand of feeder and a DIY set of



panels. Advantage Feeders offer peace of mind! They are very reliable. We can leave them for a number of days without worrying about access control.

We currently have 6 x 3800HD grain feeders, 2 x M3800HD mobile grain feeders and 16 x sets of creep gates (CGW2). These are used to feed 1,200 cows (700 Angus, 200 Angus x Wagyu and 300 Brangus) across 6 properties totaling 17,000 acres. I can personally say that there is no problem managing the gates. My farm hand who is in his 80's has no problems.

Creep Feeding is not the only thing we use Advantage Feeders for. We previously used the other feeder in our low-density feedlot. We estimate that before using Advantage Feeders we would lose 10-20 head a season in the first month of induction due to not being able to control the amount of grain being delivered. We now only use AF feeders for this purpose as their control allows us to control the amount of grain and increase gradually overtime.

**Ben Whelan, Jenfield, Pty. Ltd.
Stanthorpe, QLD**

PRICES

PRODUCT	CODE	FLAT PACKED	ASSEMBLED
HEAVY DUTY 5500	5500HD	\$3370 +GST	\$3600 +GST
HEAVY DUTY 3800	3800HD	\$2615 +GST	\$2800 +GST
HEAVY DUTY 1800	1800HD	\$2285 +GST	\$2450 +GST
HEAVY DUTY 800	800HD	\$1475 +GST	\$1575 +GST
HEAVY DUTY 150	150HD	\$635 +GST	\$650 +GST
MOBILE HEAVY DUTY 3800	M3800HD	\$4390 +GST	\$4700 +GST
MOBILE HEAVY DUTY 1800	M1800HD	\$3615 +GST	\$3875 +GST
CREEP PANELS (PAIR)	CP	\$285 +GST	\$300 +GST
CREEP GATE WIDE (EACH)	CGW	\$605 +GST	\$675 +GST
CREEP GATE NARROW (EACH)	CGN	\$395 +GST	\$450 +GST
SLIDING GATE HAY FEEDER	SGHF	\$1495 +GST	\$1550 +GST
TRAY HAY FEEDER	THF	\$1285 +GST	\$1350 +GST
TRAY HAY FEEDER EXTENDED	THF-X	\$1980 +GST	\$2100 +GST
CRADLE HAY FEEDER	CHF	\$845 +GST	\$875 +GST
CRADLE HAY FEEDER EXTENDED	CHF-X	\$1340 +GST	\$1400 +GST
HAY FEEDER ROOF	HFR	\$300 +GST	\$325 +GST
MINERAL ATTACHMENT	MA	\$285 +GST	\$300 +GST
PIVOT TRAILER	PT	\$2445 +GST	\$2550 +GST
BLOWER ATTACHMENT	BA	\$230 +GST	\$250 +GST
RUBBER MATS (PAIR)	RM	n/a	\$200 +GST
GREEDY BOARDS (PAIR)	GB	n/a	\$150 +GST
AIR RIVET TOOL	AIR-T	n/a	\$75 +GST
YELLOW FOOD DYE (QTY. 5)	YFD	n/a	\$50 +GST

PRICES ARE SUBJECT TO CHANGE

LOYALTY PROGRAM

We reward loyal customers. When you reach a certain number of products you are entitled to retrospective discounts.*

FIVE YEAR WARRANTY

Get the most from your asset – extend your two year warranty to five years by completing the extended warranty form.*

FREE FREIGHT

Prices include free freight to all distribution locations. Additional freight to other locations can be arranged at local cartage charges.

*See www.advantagefeeders.com.au for the full terms and conditions.

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