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Stockfeeds

Dairy Performa Calf Rearing Program

Thankyou for the opportunity to present some calf feed options – we hope the following will be useful for your enterprise.

We have previous experience developing multi-stage calf feeding programs for local large scale calf producers and dairy farmers.

We have developed a three stage feeding program to take your calves through to 200kgs that we feel is an easy, and cost-effective program.

We feel this program will grow calves at an overall cheaper cost (compared with traditional “least cost” calf diets) by introducing a high-quality feed to the young calves, while at the same time reducing the cost of feeding the older calves without compromising growth.

The proposed three stage program uses a:

- ***Dairy Performa Calf Creep*** for use in the first 14 to 21 days,
- ***Dairy Performa Calf Starter*** from 21 days to 12 weeks of age,
- ***Dairy Performa Calf Grower*** from 12 weeks to 12 months (depending on feed availability).

The Dairy Performa Calf Creep is a unique product, designed to drive early rumen development, promote dry matter intake, and to allow for a better transition onto the starter diet.

By including the Dairy Performa Calf Creep feed in the program, it should be possible to wean calves between 35 and 42 days of age if desired.

Early nutrition plays a critical role in lifetime performance. Research shows that mammary gland development is heavily influenced in the first few weeks from birth, so establishing strong feed intake in the first weeks of life is essential.

For best results we recommend feeding approximately 500 g of milk solids per day (around 4 litres of milk) as a minimum. However, 700 g of milk solids per day is preferred, whether supplied through whole milk or milk replacer. Feeding around 4 litres of fortified milk can help maintain calf growth, while still encouraging early concentrate intake and reducing the risk of digestive upsets such as scours.

To achieve weaning at these ages we strongly encourage the inclusion of an in milk supplement for Calves in the diet, and in the event of digestive upsets.

Counterpoint Stockfeeds is a locally owned, progressive stockfeed manufacturer located in the Murray River town of Barham, NSW. We manufacture quality pellets and grain mixes for the dairy, beef, sheep, pig, and poultry industries.

Our range of products are formulated by our qualified and experienced Nutritionists to cater for your individual needs.

All our sites are accredited under FeedSafe® - the quality assurance program of the SFMCA. This ensures the products you receive are of the highest quality and standard.



For product support and sales enquiries
contact our Nutritionists on:

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Document ID: PI Dairy Performa Calf Program

Version: 231124

This version replaces all previous versions.

counterpointstockfeeds.com.au



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Our approach to calf nutrition, particularly the Dairy Performa Calf Creep draws not only on our knowledge of calf feed, but also pig nutrition, which helps to maximize growth rates, while at the same time, minimize health issues:

- Digestibility of the ingredients is key to both promoting growth and minimizing the risk of digestive upsets, such as scours.
- Amino acid content of the feeds is far more important than overall crude protein levels for feed digestibility and optimal calf growth.
- Carbohydrate fractions as opposed to outright energy are important considerations.
- The inclusion of an acidifier in the Dairy Performa Calf Creep (standard practice in baby pig feeds) to help promote optimal conditions in the intestine for enzymatic action, which leads to ideal break down and digestion of amino acids and starch, and also as proven tool to minimize scouring.
- A unique yeast metabolite is included to help control pathogens, such as Salmonella and E coli. The chosen product also has proven benefits for rumen papillae development, dry matter intake, improved growth rates and frame size
- We commonly use an osmolyte in calf diets, as it has benefits for:
 - gut integrity
 - hydration
 - acts as a methyl donor
 - spares methionine (a limiting amino acid)
- Macro and trace mineral nutrition is included as per the accepted literature. The trace mineral premix used in this diet also includes organic trace minerals for better mineral availability
- A product containing a unique combination of essential oils, is included in the creep feed as it has demonstrated efficacy against salmonella and E coli. in pigs, poultry and calf (as well as palatability benefits). For cost reasons, we have left this out of the grower ration.
- Molasses products are included to improve intakes and palatability. Modified molasses used to maintain the handling characteristics of the grain mix.
- Starch levels may be moderated by including Maize or Peas in the diets because of its slow ruminal fermentation characteristics and higher post-ruminal starch digestion, which promotes greater glucose yield per kilogram of starch, which increases growth potential, while at the same time taking pressure of the developing rumen.
- The combination of canola meal, soyabean meal and lupins are our preferred protein sources rather as opposed to using only soy and peas.
 - We can achieve cost-effective lysine delivery with this combination, with the canola supplying additional methionine and other important amino acids such as cysteine, threonine and tryptophan.
 - Canola meal is also a more cost-effective protein meal in the current market.
 - Soy may be used in the creep, where high digestibility is of most value, in second phase from 6 to 12 we will use more canola and lupins.
 - Synthetic amino acids included to ensure target amino acid levels are met and the diet is balanced



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- We will not be embracing mid-range protein such as DDG, Palm Kernal and Copra as they will compromise the digestibility of the ration, and are far less consistent than the protein sources used in your diets.
- Lucerne meal in creep feed, but not included in the starter or grower feed.
- Fodder on offer during the grower phase needs consideration, as this will impact gut fill, growth rate, and VFA yield.

Another important consideration is the presentation of the calf feeds. We can offer these feeds as either:

- A grain blend, where the cereals, maize and lupins are rolled, and the protein meals, vitamins, minerals and other additives (including the Lucerne in the creep) are pelleted to avoid separation and selection. The blend is then mixed and coated with the modified molasses to further improve palatability
- A pellet.

The proposed feeding program for your scenario is:

	STAGE 1 CREEP	STAGE 2 STARTER	STAGE 3 FINISHER
CALF AGE	Birth to 3 weeks, 50kgs LWT	3 weeks to 8 weeks, 75kgs LWT	8 weeks & over, 75kgs LWT to 150kgs LWT
TARGETED GROWTH RATE	350 grams/calf/day	400 grams/calf/day	750 grams/calf/day (up to 1kg/calf/day)
RATION	<i>Dairy Performa Calf Creep Pellets</i> Fibre from 14 days (eg cereal straw)	<i>Dairy Performa Calf Starter</i> 1kg DM Forage (16% CP, 50% NDF)	<i>Dairy Performa Calf Grower</i> 1kg to 3kg DM Forage (16% CP, 50% NDF)
PRESENTATION	Pellets	Grain Blend or Pellets	Grain Blend or Pellets
ESTIMATED USAGE	10kgs/calf + wastage (approx. 5kgs)	45kgs/calf + wastage	200kgs/calf + wastage
ADDITIONAL CONSIDERATIONS	Ration promotes calf health, dry matter intake and gut development	Ration promotes calf health, dry matter intake and gut development	Retains emphasis on health and growth. Density can decrease as DMI increasing, and rumen papillae are more developed



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As per pig and poultry diets used in similar scenarios, we are not adverse to spending money in the Dairy Performa Calf Creep to achieve some health benefits, understanding that by doing this, the weighted cost will be lower over the entire program through improved growth and reduced health associated losses and costs (eg vet and drug costs).

While we have mentioned this earlier, but we cannot stress this enough, formulating feed for health and formulating feed for growth are intrinsically linked.

When digestive upsets occur, the compromised gut function leads to reduced nutrient uptake, and growth is reduced, from both the reduced nutrient uptake, and the immune response associated with the challenge.

Thankyou for taking the time to read this program.

If you have any questions regarding the products and services offered by Counterpoint Stockfeeds, please don't hesitate to give our Nutrition Team a call on 03 5453 2107

Counterpoint Stockfeeds (CPS) believes the information contained in this document to be true and correct for the applications as described. Updates may be made to product specifications, usage guidelines, and/or ingredients used in these products.

Customers must seek advise from CPS if there is any doubt regarding the usage of products described. Subject to those terms implied by statute which cannot be excluded restricted or modified, no warranty of accuracy or reliability is given and no responsibility to the customer or any other person is accepted for errors or omissions howsoever arising, including matters

Document ID: PI Dairy Performa Calf Program

Version: 260313

This version replaces all previous versions.