

Dairy Nutrition Programs



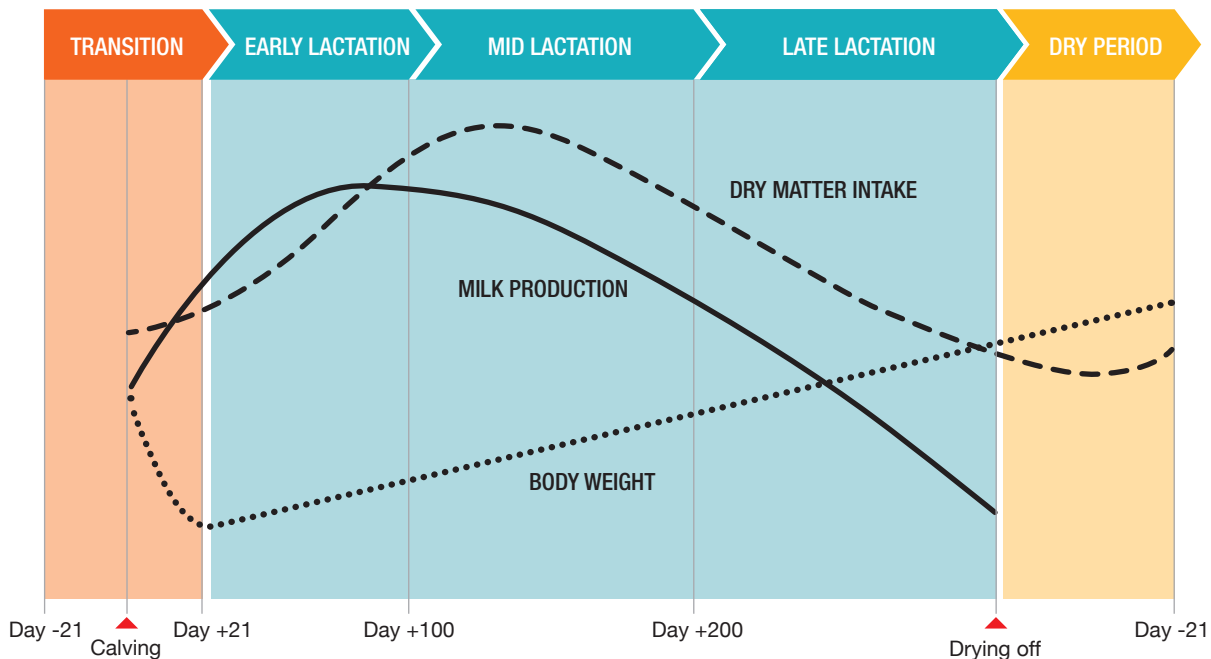
Dairy Nutrition Programs



There are several benefits to nutrition supplementation when running a dairy operation, especially when the programs are tailored to suit your production needs and critical phases. Some of the benefits of nutrition supplementation include:

- Maintaining body condition
- Promoting and maximising feed intake
- Ensuring vital minerals and vitamins are included in the diet
- Maintaining healthy rumen function
- Preparing cows for a successful calving and subsequent lactation
- Development of strong, healthy hooves.

Critical Phases of a Dairy Cattle Production





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Within the production cycle, there are three particularly important health management areas to focus on that will help to maximise overall production and profitability from your herd.

1. Dairy Herd Management – Boosting Heifer Performance

Heifers are the future of any dairy herd. It is important that heifers meet liveweight targets from birth until their first calving. These targets will have an impact on the lifetime production of the heifer as a cow in the milking herd. Heifer development is achieved with a balanced diet allowing sustained growth. Not too fast, and not too slow, is the key.

Typical heifer target weights and the diet energy and protein to achieve them are listed here.

WEIGHT KG	ENERGY INTAKE FOR MAINTENANCE (MJ/DAY)	ENERGY REQUIRED FOR GROWTH (MJ/DAY)	DIETARY PROTEIN FOR GROWTH (% DM)
25	6	10.4	17
50	10	13.2	17
75	14	14.6	17
100	17	19.8	17
125	20	21.5	17
150	24	23.3	17
175	27	25.0	17
200	29	26.7	17
225	32	28.4	17
250	35	30.0	15
275	38	31.6	15
300	41	33.3	15
325	43	34.8	15
350	45	36.4	14
375	48	37.9	14
400	51	39.5	14
425	54	40.9	14
450	57	42.3	14
475	60	43.8	14
500	63	45.2	14

2. Hoof Health in Dairy Cattle

Cows are asked to walk many kilometres each day in the Australian dairy industry, so it's important to give these animals the support they need to maintain healthy hooves. There are key periods when this can be done. The dry period is an ideal time to supplement cows with extra minerals and focus on hoof health. Lameness causes cows to drop off in production and it will have an impact on reproduction. It's therefore important to use periods like the dry period to focus on preventative measures to ensure hoof health. A proactive approach will not only see less lameness but more profitable, higher-performing healthy cows.



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3. Transition Management

Despite the challenges a cow faces around calving, there are strategies you can employ to protect her through this period, such as an integrated nutrition approach that considers rumen function, calcium and bone metabolism, energy metabolism and immune function.

Key components to consider when adapting an integrated transition diet to your herd are:

- Energy and protein
- Macro minerals and Dietary Cation Anion Difference (DCAD)
- Micro minerals
- Rumen modifiers
- Buffers and other possible additives.

It's important to ensure that your animals have access to good quality hay or grains that have been tested and will fit in with a negative DCAD diet. Keeping springing cows full will ensure they can transition onto the dairy ration effectively.

Supplementation in Dairy Cattle

Remember, supplements work best when paired with the right forage at the right production phase. A true supplement doesn't reduce forage intake – it should make the cattle eat more.

Controlling supplement intake is one of our specialties and our proven technology of pH-moderated bittering ensures that cattle take what they need, no more and more importantly, no less.

Matching Supplements to the Critical Production Phases

Whether you are running yearling heifers or mature cows, it is important to ensure that you are providing the animals with the right supplements at the right time of their production cycle.

PERIOD	PRE-JOINING	JOINING	MID LACTATION	LATE LACTATION	DRY PERIOD	TRANSITION	CALVING
PRODUCT	Anipro Liquid Supplements	MaxPro Advanced Nutrition Made Simple	MaxPro Advanced Nutrition Made Simple	MaxPro Advanced Nutrition Made Simple	Anipro Liquid Supplements	Prelac Transition Supplement	Prelac Transition Supplement
	FibrePro Protected Animal Performance	WeatherPro ALL WEATHER NUTRITION	WeatherPro ALL WEATHER NUTRITION	Anipro Liquid Supplements	FibrePro Protected Animal Performance		
		Anipro Liquid Supplements	Anipro Liquid Supplements	FibrePro Protected Animal Performance			
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