



**Duff Pastoral** have been servicing the nutritional needs of livestock producers with Liquid Supplement for the last 5 years.

With depots located at Goondiwindi & Tenterfield, Duff Pastoral are able to service an area spanning from the Northern Rivers of NSW through to the New England and Queensland border regions and west through to St George.

**Duff Pastoral are now Distributors of Feedpro Liquid Feed Supplement.**

**We've got you covered!**

**Benefits and Features of Feedpro Liquid Feed**

**Improved Animal Performance**

This is achieved first by increasing the animal's ability to utilise fibre and secondly by supplying a balanced feed supplement that will help correct protein and mineral deficiencies which may be limiting the animal's performance.

**Safe and Efficient Urea Feeding**

Through the incorporation of "Fixed Urea", Feedpro Liquid Supplement delivers a greater level of safety to your cattle than home mixed brews which contain urea. Urea will stimulate an animal's appetite as well as supplying essential protein and energy to rumen microbes.

**Rain Safe**

Rain will sit on top of the Feedpro Liquid Supplement in the trough and will be readily consumed by the cattle. The Fixed Urea process eliminated toxicity problems normally associated with other supplements.

**A Comprehensive Mineral Package**

Feedpro Liquid Supplement contains a complete balance of nutrients and minerals.

**Minimised Seasonal Weight Losses During Winter**

This will mean earlier turn off ages for store cattle and improved body condition for breeders at calving, enhanced milk production and higher conception rates.

**Nil Capital and Labour**

Feedpro Liquid Supplement is delivered directly into 500 Litre troughs provided by Duff Pastoral. This provides the customer with a double bonus; no mixing or storage equipment is required and there is no additional labour input needed for supplementing the livestock.

**Consumption Control and Cost Control**

Feedpro Liquid Supplement provides a unique method of limiting intake to a level which can improve your animal's performance whilst meeting you budgeted costs. Two blends one Breeder and one Yearling are blended together at the trough. By varying the ration of Breeder and Yearling the cattle's nutrient requirements can be met and the consumption level controlled.

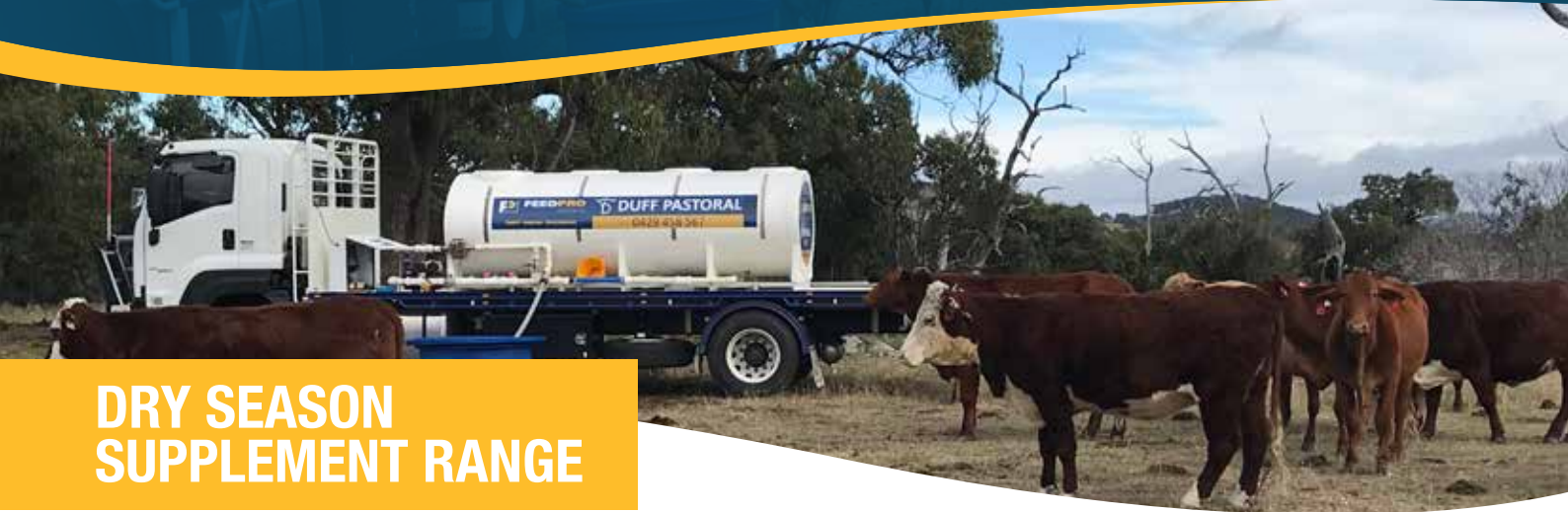
## FPA Liquid Supplement Product Specifications

Nutrient	Units (as fed)	FPA Yearling	FPA Developer	FPA Breeder
Total Crude Protein	%	16.10	25.55	35.00
Min. Natural Protein	%	3.22	3.01	2.80
Min. Equiv. Cr. Protein	%	12.88	22.54	32.2
Max Urea	%	4.5	7.85	11.2
Energy	MJ/kg	6.25	5.75	5.25
Min Calcium	%	0.5	0.46	0.42
Min. Phosphorus	%	0.55	0.78	1.00
Max. Salt	%	3.12	3.16	3.16
Magnesium	%	0.245	0.23	0.215
Sulphur	%	0.37	0.35	0.34
Potassium	%	2.64	2.43	2.22
Cobalt	mg/kg	6.05	6.05	6.05
Copper	mg/kg	76.5	76.5	76.5
Iodine	mg/kg	9.55	9.55	9.55
Iron	mg/kg	343	470	600
Manganese	mg/kg	170	170	170
Selenium	mg/kg	1.5	1.5	1.5
Zinc	mg/kg	275	276	277
Vitamin A	KIU/kg	26.4	26.4	26.4
Vitamin E	IU/kg	37.2	37.2	37.2

**ALL ENQUIRES FOR PRODUCT DELIVERIES CAN BE MADE TO  
ROBERT AT DUFF PASTORAL – 0429 458 567**

The FPA Liquid Pasture Supplements are distributed by **Duff Pastoral** as a fully serviced supplementation program for all classes of Beef and Dairy Cattle grazing pasture or conserved fodder sources.

All feeding out troughs are provided by Duff Pastoral and remain their property for the duration of the supplementation program.



## DRY SEASON SUPPLEMENT RANGE

**Duff Pastoral, Tenterfield (in conjunction with Feedpro Australia, Rockhampton) would like to announce of the availability of the Duff Pastoral Dry Season Supplement Range.**

Initially, there will be an offering of 3 different dry season supplements based on varying levels of nutritional specifications, mainly associated with the levels of NPN sources – Urea and Gran Am. As customer feedback and recommendations are received, additional options will be formulated by the Feedpro Australia technical advisor and our independent nutritional consultant.



These Dry Lick Supplements are a balanced option based on combinations of Protein Meals ( Soyabean , Canola and Palm Kernel ), along with NPN sources as mentioned with essential levels of macro and micro minerals – Calcium, Phosphorus, Sulphur to name a few and to minimize fines – dust, vegetable oil is used . To complete these Dry Lick Supplements , the rumen modifier, Monensin is included to aid in the efficiency of animals functioning rumen whilst grazing dry or mature pastures or fodder.

The various nutritional specifications for the Duff Pastoral Dry Season Supplement Range can be found in a table on the back of this page. This table provide the breakdown of the key aspects of each product along with expected daily intake levels for various classes of cattle.

### Some keys points of consideration when utilizing dry lick supplements are:

- Locate feeding options within an area of 100 meters from water and camping points. - Where possible, use covered feeding options or if open troughs are utilized, allocate no more than a week's supply to a paddock.
- It is recommended to check feeding troughs at least twice a week to monitor intakes but also possible contamination issues with the supplement.
- Ensure only Cattle have access to these supplements.

## Dry Season Supplement Product Specifications

INGREDIENT INCLUSION	Duff Pastoral	Duff Pastoral	Duff Pastoral	ProPhos
	Dry Season 5 + R	Dry Season 10 + R	Dry Season 15 + R	High Phos 9 + R
Total Protein	30%	45%	59%	9%
Crude Protein	13%	10%	8.50%	9%
Protein Meal ( Min )	43%	34.50%	30%	30%
Eq. Crude Protein	28%	35%	50%	NIL%
Urea	5%	10%	15%	NIL%
Salt	15%	15%	15%	6%
Phosphorus %	3%	3%	3%	9%
Calcium %	6%	6%	6%	13%
Sulphur %	2%	2%	2%	4%
Vitamin A IU/KG	40,000	40,000	40,000	50,000
Vitamin D3 IU/Kg	10,000	10,000	10,000	12,000
Vitamin E mg/Kg	80	80	80	100
Cobalt (Co) mg/Kg	1	1	1	1.25
Copper (Cu) mg/Kg	60	60	60	75
Iodine (I) mg/Kg	7.25	7.25	7.25	9
Manganese ( Mn ) mg/Kg	154	154	154	190
Selenium mg/Kg	2	2	2	2.5
Zinc mg/Kg	255	255	255	315
Rumensin - ppm	300	300	300	500
Met. Energy MJ/Kg	5	4.25	3.25	4.5
Daily Intake Levels	Gms / Hd	Gms / Hd	Gms / Hd	Gms / Hd
Weaners - Yearling Cattle	100 - 250	100 - 200	50 - 150	50 - 150
Growing - Dry Cattle	150 - 300	150 - 250	100 - 200	100 - 200
Breeders PTIC	150 - 300	150 - 250	100 - 200	100 - 300
Breeders Lactating	150 - 350	150 - 350	150 - 300	100 - 400

*Products are available in 25kg Bags as Standard option. Bulk Bags options – 500kgs or 1000 kgs*

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## PROPHOS HIPHOS DRY LICK

**Prohos HiPhos Dry Lick Supplement in a protein meal based supplement formulated with higher mineral specifications, primarily Phosphorus.**

It can be fed to growing – yearling animals but is of great benefit for breeder cattle, particular lactating females.

This product also can be used for programs aimed at improving reproductive performance and lactation production on breeding females in all grazing situations.

### Points to Note:

- Does contain Rumensin @ 500 ppm.
- Does not contain Restricted Animal Material Sources.
- Contains NIL UREA or other NPN Sources.
- Ensure stock have access to clean fresh water and unlimited sources of pasture or roughage.

Nutrient	% Level	Ingredient	% Level
Total Protein	18.50	Salt (Max)	6.50
Eq Crude Protein	0.00	Phosphorus (Min)	9.00
Crude Protein	18.50	Rumensin	500mg/kg



### Daily Intake Target Levels

<b>Growing Stock</b>	100 to 150 grams
<b>Breeding Stock</b>	150 to 300 grams
<b>Lactating Stock</b>	200 to 400 grams