



# SUPLAFLO®

NATURAL PROTEIN FOR CATTLE

## WHAT IS SUPLAFLO® 10NP?

**Suplaflo® 10NP - a lick foundation containing 10% natural protein<sup>1</sup>, energy and minerals.**

SUPLAFLO® 10NP is produced in Wilmar's Bioethanol Distillery at Plane Creek, Sarina, Queensland. During the unique Wilmar biostil fermentation process yeasts consume the simple sugars in the molasses to produce ethanol. This process concentrates the remaining energy rich, non-fermentable sugars and other nutrients that were present in the original molasses.

SUPLAFLO® 10NP is a very flowable product containing 10% natural protein. It is ideal as a liquid supplement, both for its inherent nutritional value as well as its capacity to carry other nutrients. Suplaflo® 10NP is an effective carrier for urea where it is desired to boost the protein content of the ration.

## TYPICAL ANALYSIS<sup>2</sup>







INGREDIENTS	SUPLAFLO® 10NP		
	UNITS	DRY MATTER	AS FED
Dry Matter	%	100	28.7
Protein	%	11.2	3.2
Fat	%	2.0	0.6
Ash	%	26.9	7.7
ME <sup>3</sup>	MJ/kg	10.4	3.0
Calcium	g/kg	20	5.6
Phosphorus (P)	g/kg	1.2	0.4
Magnesium (Mg)	g/kg	12.6	3.6
Sulphur (S)	g/kg	13.0	3.7
N:S	g/kg	1.4	1.4
Potassium (K)	g/kg	86	25
Sodium (Na)	g/kg	3.8	1.1
Chloride (Cl)	g/kg	59	17
Cobalt (Co)	mg/kg	2.0	0.6
Copper (Cu)	mg/kg	5.0	1.5
Iodine (I)	mg/kg	2.0	0.6
Iron (Fe)	mg/kg	177	51
Manganese (Mn)	mg/kg	119	34
Selenium (Se)	mg/kg	0.2	0.1
Zinc (Zn)	mg/kg	18	5
pH		4.4	4.4
Colour		Deep Brown	Deep Brown
Odour		Yeast	Yeast

<sup>2</sup> All values are typical values. The variability in the molasses composition from different sources may cause some variability in the nutrient composition of final products. <sup>3</sup> ME is calculated via the FLIAC AUSMEAT accredited formula.



*SUPLAFLO® 10NP maintaining Australian cattle in peak condition.*





## WHY USE SUPLAFLO® 10NP?

-  SUPLAFLO® 10NP typically contains 10% natural protein, or more than 2 times the amount of protein available in molasses<sup>1</sup>.
-  Protein in SUPLAFLO® 10NP is real, natural protein, unlike urea.
-  Being a natural protein product, Suplaflo® 10NP contains essential amino acids, including, lysine, arginine, histidine, isoleucine, leucine, methionine, phenylalanine, threonine, valine, etc.
-  SUPLAFLO® 10NP is derived from molasses, not from grain which would suit PCAS certified graziers.
-  The energy in SUPLAFLO® 10NP is similar (85%) to the energy in molasses<sup>1</sup>.
-  Following the fermentation of simple sugars, SUPLAFLO® 10NP poses a reduced risk of acidification in the rumen.















**ABOVE: Biostil Plant with unique Biostil molasses fermentation process to produce protein rich SUPLAFLO® 10NP in Plane Creek, Queensland.**

-  SUPLAFLO® 10NP is very palatable to cattle, but without the concentrated sweetness of molasses, so there is less risk of over-eating.
-  SUPLAFLO® 10NP contains a wide range of valuable minerals and micronutrients such as calcium, selenium, phosphorus, magnesium, iron and others (see table) - approximately double what is present in molasses<sup>1</sup>.
-  SUPLAFLO® 10NP contains adequate sulphur. Further addition of sulphur is unlikely to be required in diet.
-  The flowability of SUPLAFLO® 10NP makes it convenient to handle, mix and pump.

## DIRECTIONS FOR USE: SUPLAFLO® 10NP

-  SUPLAFLO® 10NP should be used to supplement grazing or roughage. The amount fed will vary according to the condition of the cattle and the quality of pasture available. Consumption typically ranges from 0.5 to 2 litres a day.
-  SUPLAFLO® 10NP can be used alone, or as a carrier for additional nutrients such as minerals or urea.
-  If urea is added you should ensure it is completely dissolved and well mixed. Urea can kill cattle or other livestock when consumed too quickly. You are advised to consult your nutritionist.

-  In most cases SUPLAFLO® 10NP (with addition of urea) is used to maintain livestock condition.
-  SUPLAFLO® 10NP can also be used as a part of a production ration to make livestock gain weight. This requires the remainder of the diet to be well balanced.
-  Where high production is required - SUPLAMITE® 25NP is recommended (contact Wilmar AgServices for further information on SUPLAMITE® 25NP).
-  SUPLAFLO® 10NP can be used as a straight lick in a trough. However we advise customers to consider a roller trough as this will generally reduce intake and prevent wastage.
-  Although SUPLAFLO® 10NP contains a wide range of concentrated natural nutrients, ask your nutritionist for advice if you consider extra nutrients are required.
-  SUPLAFLO® 10NP already contains natural phosphorus. In phosphorus deficient conditions, additional phosphorus is recommended.
-  Molasses grade poly tanks, stainless steel and fibre glass vessels are recommended for storage. Avoid use of concrete or mild steel containers.



### NOTES

<sup>1</sup> All comparisons and contents are calculated on a Dry Matter basis, unless otherwise stated. Dry matter is determined via the vacuum dry matter method at 600°C.

### Disclaimer:

Before using livestock feed products it is strongly recommended that reliable nutritional advice is obtained. Feeds may affect animal health. Climatic, soil and forage conditions as well as livestock management practices are beyond the control of Wilmar and cannot be foreseen. Similarly, the storage, handling and use of this product are beyond the control of Wilmar. For these and other reasons Wilmar does not accept any responsibility and expressly disclaim liability for any claim, liability, damage, loss or expense (including direct loss and consequential loss), arising out of or resulting from the use of this product, whether used in accordance with directions or not. To the fullest extent permitted by law, you release Wilmar from all liability resulting from any such claim, liability, damage, loss or expense.