



# HPC 64

Registration No: V 18146 Act 36 of 1947

**Class:** Protein Concentrate for Ruminants

**Form:** Meal

## Description

**HPC 64** is an ionophore-free, low inclusion finishing concentrate for ruminants and is suitable for use in production systems where the use of ionophores is not permitted. The diet can be included in different ratios with raw ingredients listed to produce complete finishing rations for cattle and sheep. **HPC 64** can be used to mix other on-farm feeds. Consult your **Meadow Feeds** technical advisor.

## Benefits

- Low inclusion rate.
- Contains no ionophores.
- Can be used to formulate finishing diets for cattle and sheep.

## Composition

Nutrient	Quantity	Unit	Min/Max
*Protein	640	g/kg	Min
Urea	140	g/kg	Max
Moisture	120	g/kg	Max
Calcium	40	g/kg	Min
Calcium	60	g/kg	Max
Phosphorus	7	g/kg	Min
Sulphur	11.7	g/kg	Min
Magnesium	15	g/kg	Min
Vitamin A	80 000	IU/kg	
Manganese	600	mg/kg	
Copper	100	mg/kg	
Cobalt	2	mg/kg	
Zinc	600	mg/kg	
Iodine	5	mg/kg	
Selenium	2	mg/kg	

\*73.4 % derived from NPN

This product contains NPN sources - see NPN warning

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For further technical assistance, please contact a technical advisor in your area.

**CENTRAL REGION**    Randfontein    - +27 11 693 5120  
                                 Standerton    - +27 17 200 0272  
                                 Delmas        - +27 13 665 5011  
**KWA-ZULU NATAL**    Pietermaritzburg - +27 33 387 2403

**WESTERN CAPE**    Paarl                    - +27 21 807 8700  
                                 Ladismith            - +27 28 551 1950  
**EASTERN CAPE**    Gqeberha            - +27 41 402 5000  
**AFRICA**                Zambia                 - +260 967 790 404



**More than just feed**

## Mixing and feeding recommendations

Mix and feed according to the instructions in the table below:

Type of Feed*	1	2
	Adaptation	Finisher
Class of Farm Feed	Complete cattle and sheep	Complete cattle and sheep
HPC 64 (V18146)	100	100
Hominy chop (prot max 90 g/kg)	650	700
Eragrostis	100	200
Lucerne	100	
Molasses meal	40	80
<b>TOTAL</b>	<b>990</b>	<b>1 080</b>
<b>Composition (g/kg)</b>		
Crude protein (miin)	144.5	128.0
Urea (max)	14.14	12.96
% protein ex NPN	32.72	33.88
Calcium (min)	6.5	5.0
Calcium (max)	8.6	7.0
Phosphorus (min)	3.7	4.1
Ca:P	2.3:1	1.7:1
Magnesium	3.1	3.1
Potassium	3.0	1.4
Sulphur	1.5	1.7
Fibre (min)	111.9	111.3
Fibre (max)	115.7	121.3
Fat (min)	55.8	55.1
Fat (max)	59.1	58.3
<b>Expected intakes (g/animal/day)</b>		
Cattle (min)	1 000	
Cattle (max)	6 000	10 000
Sheep (min)*	200	
Sheep (max)*	300	1 500

\* Feed with ad-lib access to roughage or pasture at all times.  
See further feeding instructions for feedlots.

### Warning

This feed is a concentrate and should not be fed unmixed.  
Due to the high concentration of this product, proper mixing practices are crucial to achieve success.

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**Further Feeding Instructions for Feedlots**

For the best results follow the feeding instruction below or consult your **Meadow Feeds** technical advisor.

It is of critical importance to follow the proper adaptation period when starting on any feedlot ration. It takes a minimum of seven days for the rumen bacteria to change from a high fibre to a high energy ration.

This adaptation process must not be rushed. The following prescribed adaptation period can be followed as a minimum

	Cattle (*kg/animal/day)	Sheep (*g/animal/day)
Day 0-4	2	200
Day 5-6	4	400
Day 7-8	6	600
Day 9-10	8	800
Day 11-12	ad-lib	ad-lib

\*of mixed ration

During the adaptation period it is important that the animals have access to good quality roughage ad-lib and clean water. Proper feed bunk management plays a huge role in feedlot performance - consult your **Meadow Feeds** technical advisor for advice.

**NPN Warning**

This feed may contain feed-grade urea / NPN sources and thus must be mixed and fed strictly according to recommendations:

1. Vinegar is an effective remedy against NPN (non-protein nitrogen) poisoning. Mix with equal amounts of water. Dose half a bottle per calf or large sheep or 2-4 bottles per head of cattle. (1bottle = 750ml)
2. Protect these feeds against rain. NPN is soluble and animals drinking such a solution can be poisoned.
3. Do not feed these feeds indiscriminately with other feed containing NPN. Consult an animal scientist.
4. Mix concentrates thoroughly with the prescribed ingredients.
5. This is a supplement and not a feed. Sufficient grazing and/or roughage must be available at all times.
6. Ensure that feed troughs are always full and give animals free access to grazing.
7. A salt-phosphate lick must be fed for a minimum of seven days prior to feeding any animal a NPN containing lick.

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