



# AFGRI RUMINANTS PRODUCT GUIDELINES



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# BEEF



Voerkoste verteenwoordig 70% of meer van die totale uitgawes van 'n voerkraal. Die belangrikheid van optimale voer sisteme en hoë gehalte rantsone is dus uiters belangrik vir sukses. Kontak 'n AFGRI Veevoere Tegniese Adviseur vir hulp met jou voedingsprogram vir die afrond van beeste en skape. Hulle kan help om jou voedingsprogram te optimaliseer om aan jou individuele behoeftes te voldoen.





# COMPLETE CATTLE FINISHER

Reg No: V18921 – Act 36/1947

## HIGH QUALITY COMPLETE FEED FOR GROWING AND FINISHING OF CATTLE

- Complete feed for fattening of cattle.
- Provides optimal quantities of quality energy, natural protein, NPN, minerals and trace minerals for maximum performance.
- Supplies sufficient rumen bypass protein and energy for improved ADG.
- Recommended for feedlot cattle and young growing animals.

### CLASS

Complete Cattle Feed

### FROM

Mash

### PACKAGING

Bulk or 40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

**A GRADUAL ADAPTATION PERIOD OF 7 DAYS IS VERY IMPORTANT.**

<b>Day 1-7</b>	Feed <i>ad lib</i> with access to additional roughage to help prevent rumen digestive problems.
<b>Day 8+</b>	Feed <i>ad lib</i> and ensure sufficient trough space to avoid gluttonous eating.

### WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.



## FEEDING INSTRUCTIONS

1. Protect this farm feed against rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. Do not feed this farm feed indiscriminately with other NPN containing farm feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 7 days to the Complete Cattle Finisher in order to avoid acidosis.
5. Animals must have free access to the Complete Cattle Finisher.
6. Ensure that sufficient trough space is available.
7. Guidelines for intake: Intake will depend on the age and body weight of the animal.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	100
<b>Equiv. Crude Protein from NPN</b>	35.88%
<b>Ureum</b>	12.5
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	25
<b>Crude Fat (max.)</b>	70
<b>Crude Fibre (max.)</b>	200
<b>Calcium (min.)</b>	6
<b>Calcium (max.)</b>	12
<b>Phosphorus (min.)</b>	3
<b>Ca:P Ratio</b>	2-3:1



# FINTECH 12

Reg No: V18222 – Act 36/1947

## HIGH QUALITY SUPPLEMENT FOR GROWTH AND FINISHING OF CATTLE

- Feed for cattle fattening.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Supplies sufficient levels of rumen bypass protein and energy for improved ADG.
- Recommended for feedlot cattle.

### CLASS

Cattle Finisher Feed

### FROM

Mash

### PACKAGING

Bulk or 40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

**A GRADUAL ADAPTATION PERIOD OF 14 DAYS IS VERY IMPORTANT**

<b>Day 1-4</b>	Feed 1.4% of body weight and hay <i>ad lib</i>
<b>Day 5-10</b>	Feed 1.8% of body weight and hay <i>ad lib</i>
<b>Day 11-14</b>	Feed 2.3% of body weight and hay <i>ad lib</i>
<b>Day 15+</b>	Feed 2.4 - 2.6% of body weight and hay <i>ad lib</i> if the animals show no signs of acidosis. 90% of the animal's diet should consist of Fintech 12 and the rest hay <i>ad lib</i> .



## FEEDING INSTRUCTIONS

1. Protect this farm feed against rain. NPN is soluble and animals drinking such a solution could be poisoned.
2. Do not feed this farm feed indiscriminately with other NPN containing farm feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment:  
Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 14 days to Fintech 12 in order to avoid acidosis.
5. Animals must have free access to the Fintech 12.
6. Ensure that sufficient trough space is available.
7. Ensure that sufficient grazing or roughage is available.
8. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	120
Equiv. Crude Protein from NPN (max.)	31.09%
Urea (max.)	13
Moisture (max.)	120
Crude Fat (min.)	25
Crude Fat (max.)	75
Crude Fibre (max.)	80
Calcium (min.)	6
Calcium (max.)	10
Phosphorus (min.)	3.5
Ca:P Ratio	1.0:2.0:1
Magnesium (min.)	2
Sulphur (min.)	0.7
Potassium (min.)	5.5
Iron (min.)	45mg/kg
Copper (min.)	10mg/kg
Manganese (min.)	18mg/kg
Zinc (min.)	62mg/kg
Cobalt (min.)	0.2mg/kg
Iodine (min.)	0.52mg/kg
Selenium (min.)	0.12mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# D-TECH 14

Reg No: V18171 – Act 36/1947

## HIGH QUALITY SUPPLEMENT FOR GROWING AND FINISHING OF WEANERS, BULLS, HEIFERS AND SHOW ANIMALS

- Supplement for growing and mature cattle with *ad lib* roughage and/or sufficient summer and winter grazing.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Supplies high levels of rumen bypass protein and energy for improved ADG.
- Recommended for Phase C, D and show animals.
- Recommended for heifers to reach breeding target mass earlier.
- Contains stock remedies to improve the effectiveness of energy utilization.

### CLASS

Cattle Finisher Feed

### FROM

Mash

### PACKAGING

Bulk or 40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

**AN ADAPTATION PERIOD OF 14 DAYS IS VERY IMPORTANT**

<b>Day 1-4</b>	Limit intake to 3kg or 1.4% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 5-10</b>	Limit intake to 4kg or 1.8% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 11-14</b>	Limit intake to 5kg or 2.3% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 15+</b>	Feed 2.4 - 2.6% of body weight and <i>ad lib</i> hay if the animals show no signs of acidosis. 85% of the animal's total diet intake should consist of D-Tech 14 and the rest <i>ad lib</i> hay.

## FEEDING INSTRUCTIONS

1. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning.  
Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 14 days to the D-Tech 14 in order to avoid acidosis.
5. Animals must have free access to the D-Tech 14.
6. Ensure that sufficient trough space is available.
7. Ensure that sufficient grazing or roughage is available.
8. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	140
<b>Equiv. Crude Protein from NPN (max.)</b>	20.5%
<b>Urea (max.)</b>	10
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	25
<b>Crude Fat (max.)</b>	75
<b>Crude Fibre (max.)</b>	120
<b>Calcium (min.)</b>	8
<b>Calcium (max.)</b>	10
<b>Phosphorus (min.)</b>	4
<b>Ca:P Ratio</b>	1-1.8:1
<b>Magnesium (min.)</b>	2
<b>Sulphur (min.)</b>	0.7
<b>Potassium (min.)</b>	5.5
<b>Iron (min.)</b>	45 mg/kg
<b>Copper (min.)</b>	10 mg/kg
<b>Manganese (min.)</b>	18 mg/kg
<b>Zinc (min.)</b>	62 mg/kg
<b>Cobalt (min.)</b>	0.2 mg/kg
<b>Iodine (min.)</b>	0.52 mg/kg
<b>Selenium (min.)</b>	0.12 mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# COMPLETE D-TECH

Reg No: V26091 – Act 36/1947

## HIGH QUALITY COMPLETE FEED FOR WEANERS, GROWING BULLS OR HEIFERS AND SHOW ANIMALS

- Complete feed for young and mature cattle with *ad lib* roughage and/or sufficient summer and winter grazing available.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Supplies high levels of rumen bypass protein and energy for improved ADG.
- Recommended for Phase C, D and show animals.
- Recommended for heifers to reach breeding target mass earlier.
- Contains stock remedies to improve the effectiveness of energy utilization.

### CLASS

COMPLETE CATTLE FEED

### FROM

Mash

### PACKAGING

Bulk or 40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

ADAPT ANIMALS FOR 7 DAYS TO PREVENT RUMEN DIGESTIVE PROBLEMS.

<b>Day 1-7</b>	Feed <i>ad lib</i> with access to additional roughage to help prevent rumen digestive problems.
<b>Day 8+</b>	Feed <i>ad lib</i> and ensure sufficient trough space to avoid gluttonous eating.

## FEEDING INSTRUCTIONS

1. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 7 days to the Complete D-Tech in order to avoid acidosis.
5. Animals must have free access to the Complete D-Tech.
6. Ensure that sufficient trough space is available.
7. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	125
Equiv. Crude Protein from NPN (max.)	18.37%
Urea (max.)	8
Moisture (max.)	120
Crude Fat (min.)	25
Crude Fat (max.)	70
Crude Fibre (min.)	110
Crude Fibre (max.)	200
Calcium (max.)	12
Phosphorus (min.)	3
Ca:P Ratio	2-4:1

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# FINTECH HPC

Reg No: V17079 – Act 36/1947

## HIGH QUALITY CONCENTRATE FOR GROWING AND FINISHING OF CATTLE

- Suitable for mixing feed for growing and fattening cattle.
- Final mix provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Final mix supplies sufficient levels of rumen bypass protein and energy for improved ADG.
- Recommended for feedlot cattle.

### CLASS

Concentrate For Cattle Finisher Feed

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

**AN ADAPTATION PERIOD OF 14 DAYS IS VERY IMPORTANT**

<b>Day 1-4</b>	Limit intake of mix to 3kg or to 1.4% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 5-10</b>	Limit intake of mix to 4kg or to 1.8% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 11-14</b>	Limit intake of mix to 5kg or to 2.3% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 15+</b>	Feed mix at 2.4 - 2.6% of body weight and <i>ad lib</i> hay if the animals show no signs of acidosis. 90% of the animal's diet should consist of the final mix and the rest <i>ad lib</i> hay.

### MIXING INSTRUCTIONS

Ingredients	Kg
Maize meal, Hominy chop, Wheat bran <sup>1</sup>	560
Molasses meal <sup>2</sup>	80
Fintech HPC	80
Chopped Hay (30mm)	80
<b>TOTAL</b>	<b>800</b>

- <sup>1</sup> Maize meal (80g/kg protein on an as fed basis).
- <sup>2</sup> If molasses meal is not used it can be replaced by the same quantity of any energy source (e.g. maize).

**Consult an AFGRI Animal Feeds Technical Advisor for correct use and recommendations with other raw materials.**

## FEEDING INSTRUCTIONS

1. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning.  
Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 14 days to the Fintech mix in order to avoid acidosis.
5. Animals must have free access to the Fintech mix.
6. Ensure that sufficient trough space is available.
7. Ensure that sufficient roughage is always available.
8. Guidelines for intake: Intake will depend on the type and rate of production.

## COMPOSITION

	Fintech HPC	Mix 1
NUTRIENT	g/kg	g/kg
Crude Protein (min.)	490	114.3
Equiv. Crude Protein from NPN (max.)	70.29%	30.13%
Urea (max.)	120	12
Moisture (max.)	120	120
Crude Fat (min.)	14	25
Crude Fibre (max.)	80	120
Calcium (min.)	40	2.5
Calcium (max.)	60	7.5
Phosphorus (min.)	8.5	2.5
Ca:P Ratio	6.7-10:1	1.3:1
Magnesium (min.)	4.4	
Sulphur (min.)	7	
Potassium (min.)	25	
Iron (min.)	175mg/kg	
Copper (min.)	40mg/kg	
Manganese (min.)	125mg/kg	
Zinc (min.)	260mg/kg	
Cobalt (min.)	0.65mg/kg	
Iodine (min.)	3mg/kg	
Selenium (min.)	0.4mg/kg	

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# D-TECH HPC

Reg No: V17085 – Act 36/1947

## HIGH QUALITY CONCENTRATE FOR GROWING AND FINISHING OF WEANERS, BULLS, HEIFERS AND SHOW ANIMALS

- Suitable for mixing feeds for growing and mature cattle with *ad lib* roughage and/or sufficient summer and winter grazing.
- Final mix provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Final mix supplies high levels of rumen bypass protein and energy for improved ADG.
- Final mix is recommended for Phase C, -D and show animals.
- Final mix is recommended for heifers to reach breeding target mass earlier.
- Contains stock remedies to improve the effectiveness of energy utilization.

### CLASS

Concentrate For  
Cattle Finisher Feed

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

**AN ADAPTATION PERIOD OF 14 DAYS IS VERY IMPORTANT**

<b>Day 1-4</b>	Limit intake of mix to 3kg or to 1.4% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 5-10</b>	Limit intake of mix to 4kg or to 1.8% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 11-14</b>	Limit intake of mix to 5kg or to 2.3% of body weight per animal per day plus sufficient <i>ad lib</i> roughage or grazing.
<b>Day 15+</b>	Feed mix at 2.4 - 2.6% of body weight and <i>ad lib</i> hay if the animals show no signs of acidosis. 85% of the animal's total diet intake should consist of final D-Tech mix and the rest <i>ad lib</i> hay. (8.35kg/320kg animal/day)

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



MIXING INSTRUCTIONS	MIX 1
<b>Ingredients</b>	<b>Kg</b>
<b>Maize meal, Hominy chop, Wheat bran<sup>1</sup></b>	700
<b>D-Tech HPK</b>	160
<b>Molasses meal<sup>2</sup></b>	80
<b>Total</b>	<b>940</b>

- <sup>1</sup> Maize meal (80g/kg protein on an as fed basis)
- <sup>2</sup> If molasses meal is not used it can be replaced by the same quantity of any energy source (e.g. maize).

**Consult an AFGRI Animal Feeds Technical Advisor for correct use and recommendations with other raw materials.**

## FEEDING INSTRUCTIONS

1. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 14 days to the D-Tech mix in order to avoid acidosis.
5. Animals must have free access to the D-Tech mix.
6. Ensure that sufficient trough space is available.
7. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.

## COMPOSITION

	D-Tech HPC	Mix 1
NUTRIENT	g/kg	g/kg
<b>Crude Protein (min.)</b>	450	139
<b>Equiv. Crude Protein from NPN (max.)</b>	54.21%	29.9%
<b>Urea (max.)</b>	85	14.5
<b>Moisture (max.)</b>	120	120
<b>Crude Fat (min.)</b>	20	
<b>Crude Fat (max.)</b>	70	
<b>Crude Fibre (max.)</b>	120	60
<b>Calcium (min.)</b>	40	
<b>Calcium (max.)</b>	60	7.5
<b>Phosphorus (min.)</b>	5.6	3.4
<b>Ca:P Ratio</b>	1.6-3.64:1	
<b>Magnesium (min.)</b>	5	
<b>Sulphur (min.)</b>	5	
<b>Potassium (min.)</b>	35	
<b>Iron (min.)</b>	250mg/kg	
<b>Copper (min.)</b>	40mg/kg	
<b>Manganese (min.)</b>	160mg/kg	
<b>Zinc (min.)</b>	180mg/kg	
<b>Cobalt (min.)</b>	0.65mg/kg	
<b>Iodine (min.)</b>	3mg/kg	
<b>Selenium (min.)</b>	0.5mg/kg	



# AMINOMAX HPC

Reg No: V19065 – Act 36/1947

PRODUCT CODE: R1167

## QUALITY BYPASS PROTEIN SUPPLEMENT FOR RUMINANTS

### WHY AMINOMAX™

- AminoMax™ is produced by highly controlled enzymatic processing technology which is unique in the world.
- AminoMax™ has a minimum bypass protein value of 65% and is highly digestible in the lower intestine.
- AminoMax™ is urea free.
- AminoMax™ amino acid profile complements the amino acid requirements of ruminants in the lower intestine for different production functions such as growth, meat-, wool- and milk production.
- AminoMax™ is very palatable and therefore promotes feed intake.
- AminoMax™ reduces nitrogen excretion and is therefore environment friendly.
- AminoMax™ improves the efficiency of protein utilization in the animal.
- AminoMax™ is produced according to “green” technology standards, thus not harmful to the environment and safe to work with.
- AminoMax™ holds zero risk of harmful residues in milk or meat.

### CLASS

Protein Supplement For Ruminants

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

CONSULT AN AFGRI ANIMAL FEEDS TECHNICAL ADVISOR FOR CORRECT USE AND RECOMMENDATIONS.

<b>Sheep and Small Game</b>	80g/animal/day
<b>Cattle and Large Game</b>	480g/animal/day

# AMINOMAX<sup>®</sup> HPK



PRODUCT CODE: **R1167**

## FEEDING INSTRUCTIONS

Guidelines for intake: Intake will depend on the age and body weight of the animal.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	330
Crude protein from NPN (max.)	0%
Urea (max.)	0
Moisture (max.)	120
Crude Fat (min.)	20
Crude Fat (max.)	80
Crude Fibre (max.)	140

### WARNING

This farm feed contains no stock remedies.

# SHEEP



Die strategiese voeding van skape kan die doeltreffendheid en die winsgewendheid van 'n skaapboerdery baie verbeter. Kruiervoeding het ten doel om die groei van lammers en sodoende die speenmassa te verbeter maar ook die druk op die lakterende ooi te verlig. Byvoeding vir lakterende ooie help weer met hoër melkproduksie en sodoende verbeterde groei van die lammers. Dit dra ook by tot die vinnige herstel van die ooi se kondisie en verbeterde herkonsepsies. Prikkelvoeding het verhoogde ovulasie tot gevolg en verminder resorpsies. Kontak 'n AFGRI Veevoere Tegniese Adviseur vir hulp met jou voedingsprogram vir die verskillende produksiefase van skape. Hulle kan help om jou voedingsprogram te optimaliseer om aan jou individuele behoeftes te voldoen.





# SUPER LAMB CREEP PELLETS

Reg No: V17074 – Act 36/1947

## SUPPLEMENT FOR IMPROVEMENT OF GROWTH RATES OF LAMBS

- Feed Super Lamb Creep Pellets to lambs before and after weaning to improve growth and to minimise stress on lactating ewes.
- Contains ammonium chloride to prevent kidney and bladder stones in lambs.
- Contains growth stimulants for improved growth rate and feed conversion.
- Quality raw materials are used to improve dry matter intake and maximise performance.

### CLASS

Ewe and Lamb Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product that contains stock remedies. Animals should be fed strictly according to instructions.
- Feed to lambs before and after weaning.
- Sufficient grazing/roughage must be available at all times.
- Keep feed troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help to prevent rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

AN ADAPTATION PERIOD OF 7 DAYS IS VERY IMPORTANT

<b>Day 1-2</b>	Limit intake to 200g lamb per day ( <i>ad lib</i> lucerne hay can be fed separately)
<b>Day 3-4</b>	Limit intake to 400g lamb per day ( <i>ad lib</i> lucerne hay can be fed separately)
<b>Day 5-6</b>	Limit intake to 600g lamb per day ( <i>ad lib</i> lucerne hay can be fed separately)
<b>Day 7+</b>	Feed creep pellets <i>ad lib</i> ( <i>ad lib</i> lucerne hay can be fed separately)

Intake of creep pellets should not exceed 1 kg per lamb per day.

## FEEDING INSTRUCTIONS

1. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
2. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
3. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
4. Feed *ad lib* to lambs after adaptation period.
5. Guidelines for intake: Intake will depend on the type and rate of production and the quantity and quality of grazing or roughage available.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	160
<b>Equiv. Crude Protein from NPN (max.)</b>	13.87 %
<b>Urea (max.)</b>	0
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	50
<b>Crude Fat (max.)</b>	70
<b>Crude Fibre (max.)</b>	120
<b>Calcium (min.)</b>	3
<b>Calcium (max.)</b>	15
<b>Phosphorus (min.)</b>	3
<b>Ca:P Ratio</b>	1-4:1
<b>Magnesium (min.)</b>	2.3
<b>Sulphur (min.)</b>	2.6
<b>Potassium (min.)</b>	9.5
<b>Iron (min.)</b>	57mg/kg
<b>Copper (min.)</b>	13mg/kg
<b>Manganese (min.)</b>	35mg/kg
<b>Zinc (min.)</b>	50mg/kg
<b>Cobalt (min.)</b>	0.23mg/kg
<b>Iodine (min.)</b>	0.28mg/kg
<b>Selenium (min.)</b>	0.18mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# EWE AND LAMB PELLETS

Reg No: V8137 – Act 36/1947

## FEED FOR IMPROVED GROWTH OF LAMBS

- Supplement for late pregnant ewes and ewes with lambs.
- Effective where pastures do not meet the nutritional requirements of animals.
- Suitable for under-condition ewes and to improve reproduction.
- Suitable for flush-feeding of ewes from 30-45 days before mating.
- Quality raw materials are used to increase feed intake and to ensure maximum performance.

### CLASS

Ewe and Lamb Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- Keep feed troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help to prevent rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

Feed to ewes with lambs at a minimum of 0.8% of body weight.





## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Make provision for sufficient trough space and roughage.
6. Guidelines for intake: Intake will depend on the condition and production status of the animal and the quality and quantity of grazing available.

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	130
<b>Equiv. Crude Protein from NPN (max.)</b>	38.50 %
<b>Urea (max.)</b>	6
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	25
<b>Crude Fat (max.)</b>	70
<b>Ruvesel (min.)</b>	110
<b>Crude Fibre (max.)</b>	150
<b>Calcium (min.)</b>	6
<b>Calcium (max.)</b>	15
<b>Phosphorus (min.)</b>	3
<b>Ca:P Ratio</b>	1.4-2.0:1
<b>Magnesium (min.)</b>	2.3
<b>Sulphur (min.)</b>	2.3
<b>Potassium (min.)</b>	9.5
<b>Iron (min.)</b>	57mg/kg
<b>Copper (min.)</b>	13mg/kg
<b>Manganese (min.)</b>	35mg/kg
<b>Zinc (min.)</b>	50mg/kg
<b>Cobalt (min.)</b>	0.23mg/kg
<b>Iodine (min.)</b>	0.28mg/kg
<b>Selenium (min.)</b>	0.18mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# STUD RAM PELLETS

Reg No: V18221 – Act 36/1947

## FEED FOR GROWTH AND DEVELOPMENT OF RAMS

- Supplement for growing rams.
- Contains stock remedies for the prevention of kidney and bladder stones.
- Effective where pastures do not meet the nutritional requirements of animals.
- Suitable for rams in a poor condition as well as preparation of show animals.
- Quality raw materials are used to increase feed intake and to ensure maximum performance.

### CLASS

Ram Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- Adapt rams to the feed over a period of 10 days.
- Keep troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help to prevent rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

AN ADAPTATION PERIOD OF 10 DAYS IS VERY IMPORTANT

<b>Day 1-3</b>	Feed pellets at 1.5% of the ram's body weight per day plus <i>ad lib</i> good quality roughage
<b>Day 4-6</b>	Feed pellets at 2.25% of the ram's body weight per day plus <i>ad lib</i> good quality roughage
<b>Day 7-10</b>	Feed pellets at 3.0% of the ram's body weight per day plus <i>ad lib</i> good quality roughage
<b>After adaptation, feed Stud Ram Pellets <i>ad lib</i>. If the animals have adapted well, no additional roughage will be required after the adaptation period.</b>	

### WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the age, condition and required growth rate as well as the quantity and quality of roughage.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	145
Equiv. Crude Protein from NPN (max.)	28.72 %
Urea (max.)	4
Moisture (max.)	120
Crude Fat (min.)	25
Crude Fat (max.)	70
Crude Fibre (min.)	150
Calcium (min.)	3.5
Calcium (max.)	10
Phosphorus (min.)	2.5
Ca:P Ratio	1.4-4.0:1
Magnesium (min.)	2.3
Sulphur (min.)	2.3
Potassium (min.)	9.5
Iron (min.)	57mg/kg
Copper (min.)	13mg/kg
Manganese (min.)	35mg/kg
Zinc (min.)	50mg/kg
Cobalt (min.)	0.23mg/kg
Iodine (min.)	0.28mg/kg
Selenium (min.)	0.18mg/kg



# COMPLETE SHEEP STARTER PELLETS

Reg No: V18220 – Act 36/1947

## COMPLETE STARTER FEED FOR FATTENING OF SHEEP

- No additional roughage needed for adaptation period.
- Contains ammonium chloride to prevent kidney and bladder stones in sheep.
- Contains growth stimulants for improved growth rate and feed conversion.
- Quality raw materials are used to improve dry matter intake and maximise performance.

### CLASS

Complete Sheep Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- Adapt animals to the feed over a period of 10 days.
- Keep troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help to prevent rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ALLOW AN ADAPTATION PERIOD OF 10 DAYS

<b>Day 1-10</b>	Feed pellets <i>ad lib</i>
<b>Day 11+</b>	Change to growth or finishing ration.



PRODUCT CODE: R1178P

## FEEDING INSTRUCTIONS

1. This farm feed must not be fed indiscriminately together with other NPN-containing feeds.  
Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
2. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
3. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
4. Guidelines for intake: Intake will depend on age and condition of the animals.
5. Sufficient trough space is of utmost importance.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	145
Equiv. Crude Protein from NPN (max.)	30.70 %
Urea (max.)	5
Moisture (max.)	120
Crude Fat (min.)	25
Crude Fat (max.)	70
Ruvesel (min.)	110
Crude Fibre (max.)	150
Calcium (min.)	8
Calcium (max.)	15
Phosphorus (min.)	2.5
Ca:P Ratio	3.24:1
Magnesium (min.)	2.3
Sulphur (min.)	2.3
Potassium (min.)	9.5
Iron (min.)	57mg/kg
Copper (min.)	13mg/kg
Manganese (min.)	35mg/kg
Zinc (min.)	50mg/kg
Cobalt (min.)	0.23mg/kg
Iodine (min.)	0.28mg/kg
Selenium (min.)	0.18mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# COMPLETE SHEEP FINISHER PELLETS

Reg No: V8231 – Act 36/1947

## COMPLETE FEED FOR SHEEP FINISHING

- Feed Sheep Fattening Pellets to sheep in feedlot.
- Contains ammonium chloride to prevent kidney and bladder stones in sheep.
- Contains growth stimulants for improved growth rate and feed conversion.
- Quality raw materials are used to improve dry matter intake and maximise performance.

### CLASS

Sheep Finisher Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- Adapt animals to the feed over a period of 9 days.
- Keep troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help to prevent rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

### ALLOW AN ADAPTATION PERIOD OF 9 DAYS

<b>Day 1-3</b>	Feed pellets at 1.5% of sheep's body weight per day plus <i>ad lib</i> good quality roughage
<b>Day 4-6</b>	Feed pellets at 2.25% of sheep's body weight per day plus <i>ad lib</i> good quality roughage
<b>Day 7-9</b>	Feed pellets at 3.0% of sheep's body weight per day plus <i>ad lib</i> good quality roughage
<b>Day 10+</b>	After adaptation feed <i>ad lib</i> plus good quality roughage <i>ad lib</i> .

### WARNING

Hierdie veevoer bevat geen geregistreerde medikamente nie.

PRODUCT CODE: R1179P



ANDRÉ PRETORIUS FOTOGRAFIE ©

## FEEDING INSTRUCTIONS

1. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
2. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
3. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
4. Guidelines for intake: Intake will depend on age and condition of the animals.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	135
<b>Equiv. Crude Protein from NPN (max.)</b>	39.20 %
<b>Urea (max.)</b>	7
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	25
<b>Crude Fat (max.)</b>	75
<b>Crude Fibre (min.)</b>	110
<b>Crude Fibre (max.)</b>	150
<b>Calcium (max.)</b>	10
<b>Phosphorus (min.)</b>	2.5



# SHEEP FEEDLOT HPC

Reg No: V17079 – Act 36/1947

## HIGH QUALITY CONCENTRATE FOR GROWING AND FINISHING OF SHEEP

- Suitable for mixing feed for growing and fattening sheep and goats.
- Final mix provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Final mix supplies sufficient levels of rumen bypass protein and energy for improved ADG.
- Recommended for sheep in feedlots.

### CLASS

Concentrate for Sheep Finisher Feed

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- Adaptation: Limit the intake of the finisher feed and feed with adequate roughage during the first 10 days in order to prevent digestive problems.
- Keep feed troughs filled to prevent gluttonous eating by hungry animals.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

## COMPOSITION OF MIX

**AN GRADUAL ADAPTATION PERIOD OF 10 DAYS IS VERY IMPORTANT**

<b>Day 1-2</b>	Feed mix at 1.5% of the body weight per animal per day plus <i>ad lib</i> good quality hay
<b>Day 3-4</b>	Feed mix at 2.25% of the body weight per animal per day plus <i>ad lib</i> good quality hay
<b>Day 5-6</b>	Feed mix at 3.0% of the body weight per animal per day plus <i>ad lib</i> good quality hay
<b>Day 7-10</b>	Feed mix at 3.5% of the body weight per animal per day plus <i>ad lib</i> good quality hay
<b>Day 11+</b>	Feed the ration <i>ad lib</i> with no additional roughage if no signs of rumen acidosis is observed

**For Mixtures with other raw materials contact an AFGRI Animal Feeds Technical Advisor.**



## FEEDING INSTRUCTIONS

1. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. This farm feed must not be fed indiscriminately together with other NPN- containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Gradually adapt animals over 10 days to the sheep finisher feed in order to avoid acidosis.
5. Feed the final mix *ad lib* to the animals in feedlot.
6. Ensure that sufficient trough space is available.
7. Guidelines for intake: Intake will depend on the age and body weight of the animals.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	490
Equiv. Crude Protein from NPN (max.)	106.09 %
Urea (max.)	70
Moisture (max.)	120
Crude Fibre (max.)	70
Calcium (min.)	50
Calcium (max.)	80
Phosphorus (min.)	4
Ca:P Ratio	1.1-2:1
Magnesium (min.)	4.2
Sulphur (min.)	3
Potassium (min.)	10
Iron (min.)	250mg/kg
Copper (min.)	40mg/kg
Manganese (min.)	140mg/kg
Zinc (min.)	250mg/kg
Cobalt (min.)	1.15mg/kg
Iodine (min.)	1.4mg/kg
Selenium (min.)	0.9mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# SHEEP FEEDLOT HPC

Reg No: V17079 – Act 36/1947

PRODUCT CODE: RI187

## FEEDING RECOMMENDATIONS

MIXING INSTRUCTIONS	MIX 1	MIX 2
<b>Ingredient</b>	Kg	Kg
<b>Maize meal or Hominy Chop<sup>1</sup></b>	480	480
<b>Sheep Feedlot HPC</b>	80	80
<b>Molasses meal or syrup<sup>2</sup></b>	80	80
<b>AminoMax</b>		40
<b>Chopped Hay (15 mm)<sup>3</sup></b>	160	120
<b>TOTAL</b>	800	800

- <sup>1</sup> Maize meal (80g/kg protein on an as fed basis).
- <sup>2</sup> If molasses meal is not used it can be replaced by the same quantity of any energy source (e.g. maize).
- <sup>3</sup> It is recommended that at least half the roughage will consist of palatable roughages like Lucerne.

COMPOSITION OF MIX	FEEDLOT MIX 1	FEEDLOT MIX 2
<b>Nutrient</b>	Kg	Kg
<b>Crude Protein (min.)</b>	115	120
<b>Equiv. Crude Protein from NPN (max.)</b>	39.99 %	39.99 %
<b>Urea (max.)</b>	10	10
<b>Moisture (max.)</b>	120	120
<b>Crude Fibre (max.)</b>	200	200
<b>Calcium (max.)</b>	9	9
<b>Phosphorus (min.)</b>	2	2
<b>Ca:P Ratio</b>	2-4:1	2-4:1





# COMPLETE LACTATING EWE PELLETS

Reg No: V29306 – Act 36/1947

## FEED FOR LACTATING EWES

- Supplement feed for lactating ewes.
- Improves milk production.
- Contribute to better weaning weights.
- Ideal supplement for ewes in lambing pens.
- Quality raw materials are used to increase feed intake and to ensure maximum performance.

### CLASS

Complete Lactating Ewe Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- Supply enough trough space to prevent dominant animals to eat alone.
- Keep troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help to prevent rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

AN ADAPTATION PERIOD OF 7 DAYS IS VERY IMPORTANT

<b>30 days prior to lamb is born</b>	Feed 1kg per day plus <i>ad lib</i> good quality roughage.
<b>14 days prior to lamb is born</b>	Feed 1.5kg per day plus <i>ad lib</i> good quality roughage.
<b>After lamb is born</b>	Feed 3kg or 3% of body weight per day plus <i>ad lib</i> good quality roughage.

## FEEDING INSTRUCTIONS

1. This farm feed must not be fed indiscriminately together with other NPN-containing feeds.  
Consult an AFGRI Animal Feeds technical advisor for recommendations.
2. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
3. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
4. Guidelines for intake: Intake will depend on the age, condition and required growth rate as well as the quantity and quality of roughage.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	160
<b>Equiv. Crude Protein from NPN (max.)</b>	20.20 %
<b>Urea (max.)</b>	5
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	25
<b>Crude Fat (max.)</b>	75
<b>Crude Fibre (max.)</b>	150
<b>Calcium (max.)</b>	15
<b>Phosphorus (min.)</b>	3
<b>Energy (min.)</b>	10 MJ/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



Die tipe AFGRI aanvulling benodig om u produksiedoelwit vir 'n bepaalde groep diere te bereik sal hoofsaaklik bepaal word deur die kondisie van die diere en die kwaliteit weiding/ruvoer tot die diere se beskikking. Winterlekkedien as aanvulling, veral van rumen degradeerbare proteïene (RDP), om die voedingstowwe van laer kwaliteit wintergras maksimaal te benut.

Somerlekkedien as aanvulling om addisionele ekonomiese produksie op goeie kwaliteit weidings te bewerkstellig. Genoegsame oplosbare ruproteïen word verkry vanaf somerweidings en dus word daar energie en hoë kwaliteit proteïen vanaf die somerlek benodig. Somerlekkedien vervaardig deur AFGRI bevat goeie kwaliteit natuurlike proteïen en genoegsame energie, minerale en spoorminerale om verhoogde produksie te ondersteun met klem op verbeterde groei en reproduksie.

Verlangde produksiedoelwitte in verskillende produksiestelsels sal dus ondersteun word deur die doelgerigte aanwending van AFGRI-lekaanvullings, gepas tot die spesifieke seisoen en weidingstoestande.







# PROFOS P6

Reg No: V19065 – Act 36/1947

## READY MIX PHOSPHATE-SALT TRACE MINERAL SUPPLEMENT FOR RUMINATES

- A ready-mixed mineral supplement for cattle and sheep on natural pastures.
- Contains a complete series of macro and micro minerals in correct relation to phosphorus.
- Contains 17% crude protein which helps optimise rumen function, especially during mid-summer droughts.
- Stimulates feed intake and growth in young and producing animals.
- Can be used as a transitional lick for cattle when mixed with Cattle Lick 45 in a 1:1 ratio.

### CLASS

Phosphate Salt and Trace Mineral Supplement for Ruminants

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN
- containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Cattle	150-240
Young growing ani	100-120
Lactating cows	200-240
Dry cows	150-200
Sheep	17-40
Lambs	15-18
Lactating ewes	25-40
Non-lactating ewes	20-30



## FEEDING INSTRUCTIONS

1. Protect this farm feed against rain. NPN (e.g urea) is soluble and animals drinking such a solution could be poisoned.
2. Do not feed this farm feed indiscriminately with other NPN containing farm feeds.  
Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Feed *ad lib*.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of pasture available.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	170
Equiv. Crude Protein from NPN (max.)	91.91 %
Urea (max.)	0
Other NPN (max.)	250
Moisture (max.)	120
Calcium (min.)	60
Calcium (max.)	120
Phosphorus (min.)	60
Ca:P Ratio	1-2:1
Iron (min.)	750 mg/kg
Copper (min.)	300 mg/kg
Manganese (min.)	800 mg/kg
Zinc (min.)	1000 mg/kg
Cobalt (min.)	3.5 mg/kg
Iodine (min.)	13 mg/kg
Selenium (min.)	4 mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# GROTECH 17

Reg No: V17076 – Act 36/1947

## HIGH QUALITY SUPPLEMENT FOR YOUNG GROWING CATTLE ON SUMMER PASTURES

- Suitable as a supplement for young and mature animals with access to sufficient green pastures.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of green pastures.
- Supplies high levels of rumen bypass protein and energy for improved ADG as well as milk production.
- Recommended for “back grounding” of weaners and the rearing of replacement heifers and phase D bulls.

### CLASS

Protein, Energy And Mineral Supplement for Cattle

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient green pastures must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding
- NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Cattle	910 - 1200



## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a dairy meal which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of meal over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of pasture available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	170
<b>Crude protein from NPN (max.)</b>	48.32 %
<b>Urea (max.)</b>	15
<b>Moisture (max.)</b>	120
<b>Crude Fibre (max.)</b>	80
<b>Calcium (min.)</b>	10
<b>Calcium (max.)</b>	23
<b>Phosphorus (min.)</b>	7.7
<b>Ca:P Ratio</b>	1-3:1
<b>Copper (min.)</b>	45 mg/kg
<b>Manganese (min.)</b>	100 mg/kg
<b>Zinc (min.)</b>	175 mg/kg
<b>Cobalt (min.)</b>	0.5 mg/kg
<b>Iodine (min.)</b>	1.7 mg/kg
<b>Selenium (min.)</b>	0.7 mg/kg
<b>ME Ruminant</b>	8.2 MJ/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# OVITECH 13

Reg No: V17078 – Act 36/1947

## HIGH QUALITY SUPPLEMENT FOR SHEEP ON GREEN PASTURES

- Suitable as a supplement for young growing and mature sheep in production on sufficient cultivated green pastures.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of green cultivated pastures.
- Supplies high levels of Calcium and Phosphorus.
- Supplies high levels of rumen bypass protein and energy for improved ADG as well as milk and wool production.

### CLASS

Protein, Energy, Mineral and Trace Mineral Supplement for Sheep

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient green pastures must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding
- a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY	ANIMAL	g/ANIMAL/DAY
<b>Maintenance</b>	200 - 225	<b>Lactating Ewes</b>	300 - 500
<b>Pregnant Ewes</b>	250 - 350	<b>Young Replacement Ewes</b>	250 - 500

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free dairy feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of pasture available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	130
<b>Crude protein from NPN (max.)</b>	49.75 %
<b>Urea (max.)</b>	10
<b>Moisture (max.)</b>	120
<b>Crude Fibre (max.)</b>	80
<b>Calcium (min.)</b>	10
<b>Calcium (max.)</b>	20
<b>Phosphorus (min.)</b>	6.5
<b>Ca:P Ratio</b>	1-3:1
<b>Copper (min.)</b>	16 mg/kg
<b>Manganese (min.)</b>	60 mg/kg
<b>Zinc (min.)</b>	60 mg/kg
<b>Cobalt (min.)</b>	0.33 mg/kg
<b>Iodine (min.)</b>	0.23 mg/kg
<b>Selenium (min.)</b>	0.33 mg/kg
<b>ME Sheep</b>	8.6 MJ/kg



# EKONOTECH 55

Reg No: V14907 – Act 36/1947

## READY-MIX MAINTENANCE LICK FOR CATTLE

- Suitable for cattle on low quality grazing or roughages.
- Provides optimal quantities of quality protein, NPN, minerals and trace minerals for economic utilization of low quality roughages.
- Maintains body condition and supports reproduction on low quality grazing and roughages.
- Can be used to mix production licks in a 50:50 ratio with grains.

### CLASS

Protein, Mineral and Trace  
Mineral Supplement for Cattle

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Cattle	350 - 450



## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg. urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator.
7. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	550
<b>Crude protein from NPN (max.)</b>	114.77%
<b>Urea (max.)</b>	175
<b>Moisture (max.)</b>	120
<b>Calcium (max.)</b>	40
<b>Phosphorus (min.)</b>	18
<b>Ca:P Ratio</b>	1-2:1
<b>Iron (min.)</b>	100mg/kg
<b>Copper (min.)</b>	320mg/kg
<b>Manganese (min.)</b>	680mg/kg
<b>Zinc (min.)</b>	680mg/kg
<b>Cobalt (min.)</b>	3.5mg/kg
<b>Iodine (min.)</b>	9mg/kg
<b>Selenium (min.)</b>	3mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# CATTLE LICK 45

Reg No: V19138 – Act 36/1947

## READY-MIX MAINTENANCE LICK FOR CATTLE

- Suitable for cattle on low quality grazing or roughages.
- Provides optimal quantities of quality protein, NPN, minerals and trace minerals for economical utilization of low quality roughages.
- Maintains body condition and supports reproduction on low quality grazing and roughages.
- Can be used to mix production licks in a 50:50 ratio with grains.

### CLASS

Protein, Mineral and Trace Mineral Supplement for Cattle

### FROM

Mash

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

## RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Cattle	500 - 550

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.

PRODUCT CODE: RI197



## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg. urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	450
<b>Ruproteïen vanaf NPN (maks.)</b>	112.4 %
<b>Urea (max.)</b>	140
<b>Moisture (max.)</b>	120
<b>Calcium (max.)</b>	33
<b>Phosphorus (min.)</b>	12
<b>Ca:P Ratio</b>	1-3:1
<b>Iron (min.)</b>	182 mg/kg
<b>Copper (min.)</b>	130 mg/kg
<b>Manganese (min.)</b>	290 mg/kg
<b>Zinc (min.)</b>	480 mg/kg
<b>Cobalt (min.)</b>	1.3 mg/kg
<b>Iodine (min.)</b>	4.3 mg/kg
<b>Selenium (min.)</b>	1.46 mg/kg



# OPTITECH 45

Reg No: V17080 – Act 36/1947

## READY-MIX HIGH QUALITY MAINTENANCE LICK FOR CATTLE & SHEEP

- Suitable for cattle and sheep on low quality grazing or roughages.
- Provides optimal quantities of quality natural protein, NPN, minerals and trace minerals for economic utilization of low quality roughages.
- Maintains body condition and supports reproduction on low quality grazing and roughages.
- Can be used to mix production licks in a 50:50 ratio with grains.

### CLASS

Protein, Mineral and Trace Mineral Supplement for Cattle and Sheep

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Sheep	100 - 120
Cattle	500 - 600

### WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.

PRODUCT CODE: RI191

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator.
7. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	450
<b>Crude protein from NPN (max.)</b>	101.70%
<b>Urea (max.)</b>	125.4
<b>Moisture (max.)</b>	120
<b>Crude Fibre (max.)</b>	85
<b>Calcium (min.)</b>	15
<b>Calcium (max.)</b>	30
<b>Phosphorus (min.)</b>	12
<b>Ca:P Ratio</b>	1-2.5:1
<b>Iron (min.)</b>	250 mg/kg
<b>Copper (min.)</b>	55 mg/kg
<b>Manganese (min.)</b>	180 mg/kg
<b>Zinc (min.)</b>	300 mg/kg
<b>Cobalt (min.)</b>	1.0 mg/kg
<b>Iodine (min.)</b>	3.0 mg/kg
<b>Selenium (min.)</b>	1.2 mg/kg



# PRODUCTION LICK 25

Reg No: V19139 – Act 36/1947

## READY-MIX PRODUCTION LICK FOR CATTLE AND SHEEP

- Suitable for cattle and sheep on low quality grazing.
- Improves weight gain in young animals.
- Suitable for first-time calvers and first lamb ewes on winter grazing.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of low quality roughages.
- Maintains body condition and supports reproduction on low quality grazing and roughages.

### CLASS

Protein, Energy, Mineral and Trace Mineral Supplement for Cattle and Sheep

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Sheep	280 - 320
Cattle	1200 - 1500

### WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.

PRODUCT CODE: R1198

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	250
<b>Crude protein from NPN (max.)</b>	101.09 %
<b>Urea (max.)</b>	54
<b>Moisture (max.)</b>	120
<b>Calcium (max.)</b>	24
<b>Phosphorus (min.)</b>	8
<b>Ca:P Ratio</b>	1-3:1
<b>Iron (min.)</b>	91 mg/kg
<b>Copper (min.)</b>	65 mg/kg
<b>Manganese (min.)</b>	145 mg/kg
<b>Zinc (min.)</b>	240 mg/kg
<b>Cobalt (min.)</b>	0.65 mg/kg
<b>Iodine (min.)</b>	2.1 mg/kg
<b>Selenium (min.)</b>	0.73 mg/kg
<b>ME Herkouer</b>	7.2 MJ/kg



# MAXITECH 32

Reg No: V17082 – Act 36/1947

## READY-MIX HIGH QUALITY PRODUCTION LICK FOR CATTLE AND SHEEP

- Suitable for cattle and sheep on low quality grazing or roughages.
- Suitable for first-time calvers and first lamb ewes on winter grazing.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of low quality roughages.
- Maintains body condition and supports reproduction on low quality grazing and roughages.

### CLASS

Mineral, Protein, Energy and Trace Mineral Supplement for Cattle and Sheep

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Sheep	250 - 270
Cattle	1070 - 1200

### WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator.
7. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	320
<b>Crude protein from NPN (max.)</b>	65%
<b>Urea (max.)</b>	72.5
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	14
<b>Crude Fibre (max.)</b>	80
<b>ME Bees/Skaap</b>	7.5 MJ/kg
<b>Calcium (min.)</b>	10
<b>Calcium (max.)</b>	22
<b>Phosphorus (min.)</b>	10
<b>Ca:P Ratio</b>	1-2.2:1
<b>Magnesium (min.)</b>	3.4
<b>Sulphur (min.)</b>	4.8
<b>Potassium (min.)</b>	21
<b>Iron (min.)</b>	140 mg/kg
<b>Copper (min.)</b>	45 mg/kg
<b>Manganese (min.)</b>	100 mg/kg
<b>Zinc (min.)</b>	175 mg/kg
<b>Cobalt (min.)</b>	0.5 mg/kg
<b>Iodine (min.)</b>	1.7 mg/kg
<b>Selenium (min.)</b>	0.7 mg/kg

# SUPERTECH 25

Reg No: V17086 – Act 36/1947

## READY-MIX HIGH QUALITY PRODUCTION LICK FOR SHEEP AND GOATS

- Suitable for sheep and goats in production on low quality grazing or roughages.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of low quality roughages.
- Provides high levels of rumen bypass proteins and energy for better ADG as well as milk and wool production.
- Recommended for flush feeding, pregnant ewes, lactating ewes and replacement ewes.

### CLASS

Protein, Energy and Trace Mineral Supplement for Sheep and Cattle

### FROM

Mash or Pellets

### PACKAGING

Bulk or 40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Lactating ewes	300 - 500
Young animals	250 - 500
Cattle	1800 - 2500





## FEEDING INSTRUCTIONS

1. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
2. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
3. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
4. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
5. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator.
6. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	250
<b>Crude protein from NPN (max.)</b>	60.40%
<b>Urea (max.)</b>	30
<b>Moisture (max.)</b>	120
<b>Crude Fibre (max.)</b>	80
<b>Calcium (min.)</b>	12
<b>Calcium (max.)</b>	22
<b>Phosphorus (min.)</b>	5.8
<b>Ca:P Ratio</b>	1-4:1
<b>Iron (min.)</b>	57 mg/kg
<b>Copper (min.)</b>	16 mg/kg
<b>Manganese (min.)</b>	60 mg/kg
<b>Zinc (min.)</b>	60 mg/kg
<b>Cobalt (min.)</b>	0.33 mg/kg
<b>Iodine (min.)</b>	0.23 mg/kg
<b>Selenium (min.)</b>	0.33 mg/kg
<b>ME Sheep</b>	6.9 MJ/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# SHEEP LICK 35

Reg No: V20248 – Act 36/1947

## READY-MIX MAINTENANCE LICK FOR SHEEP

- Suitable for sheep on low quality grazing or roughages.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of low quality roughages.
- Maintains body condition on low quality grazing and roughages.
- Can be used to mix production licks in a 2:1 ratio with grains.

### CLASS

Protein, Mineral and Trace Mineral Supplement for Sheep

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing must be available at all times.
- Keep lick troughs filled to prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Sheep	175 – 250

### WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal X number of animals X 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. Sufficient trough space is of the utmost importance.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	350
<b>Equiv. Crude Protein from NPN (max.)</b>	99.27 %
<b>Urea (max.)</b>	87.1
<b>Moisture (max.)</b>	120
<b>Calcium (max.)</b>	2.6
<b>Phosphorus (min.)</b>	8.6
<b>Ca:P Ratio</b>	1-3:1
<b>Sulphur (min.)</b>	4
<b>Iron (min.)</b>	182 mg/kg
<b>Copper (min.)</b>	130 mg/kg
<b>Manganese (min.)</b>	290 mg/kg
<b>Zinc (min.)</b>	480 mg/kg
<b>Cobalt (min.)</b>	1.3 mg/kg
<b>Iodine (min.)</b>	4.3 mg/kg
<b>Selenium (min.)</b>	1.46 mg/kg



# AFGRI LANDELEK

Reg No: V26177 – Act 36/1947

## READY-MIX HIGH QUALITY PRODUCTION LICK FOR CATTLE AND SHEEP

- Suitable for sheep and cattle in production on low quality grazing or roughages.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for economic utilization of low quality roughages.
- Supplies high levels of rumen bypass protein and energy for improved ADG as well as milk and wool production.
- Recommended for flush feeding, pregnant and lactating animals and young stock.

### CLASS

Protein, Energy, Mineral and Trace Mineral Supplement for sheep

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	g/ANIMAL/DAY
Sheep	300 - 400
Cattle	1200 - 1500

### ADAPTATION FEEDING GUIDELINES

DAY	MAIZE g/SHEEP/DAY	GRAZING TIME/ DAY
Day 1-2	200	15 min
Day 3-4	300	30 min
Day 5-6	400	45 min
Day 7-8	500	60 min
Day 9-10	600	75 min
Day 11-12	700	90 min
Day 13-14	800	120 min

## FEEDING INSTRUCTIONS

1. This farm feed should not be fed indiscriminately with other NPN containing farm feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
2. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
3. Protect this farm feed against rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
4. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of pasture available.
5. Lick intake needs to be managed. Ideally supply the required amount (g/animal/day) on a daily basis. It will not be a problem if the required amount is consumed within a few hours. If management practice only allows the supply of lick every third day, then the required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day. Research shows it will not be a problem if animals consume the supplement in a shorter period. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. Sufficient trough space is of the utmost importance.
6. An adaptation period of 14 days with maize is recommended, before permanent grazing of harvested crops, to prevent rumen acidosis for sheep.

## COMPOSITION

NUTRIENT	g/kg
<b>Crude Protein (min.)</b>	250
<b>Equiv. Crude Protein from NPN (max.)</b>	59.70 %
<b>Urea (max.)</b>	20
<b>Moisture (max.)</b>	120
<b>Crude Fat (min.)</b>	14
<b>Crude Fibre (max.)</b>	80
<b>Calcium (min.)</b>	8.1
<b>Calcium (max.)</b>	20
<b>Phosphorus (min.)</b>	6.5
<b>Ca:P Ratio</b>	1-3:1
<b>Magnesium (min.)</b>	2.5
<b>Selenium (min.)</b>	0.3 mg/kg
<b>Copper (min.)</b>	26 mg/kg
<b>Iron (min.)</b>	57 mg/kg
<b>Manganese (min.)</b>	40 mg/kg
<b>Zinc (min.)</b>	160 mg/kg
<b>Cobalt (min.)</b>	0.5 mg/kg
<b>Iodine (min.)</b>	0.3 mg/kg
<b>ME Sheep</b>	7.5 MJ/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



# LICK CONCENTRATE

Reg No: V26089 – Act 36/1947

## LICK CONCENTRATE FOR CATTLE AND SHEEP

- Suitable for mixing of maintenance and production licks for cattle and sheep.
- Provides optimal quantities of quality protein, NPN, minerals and trace minerals for economical utilization of low quality roughages.
- Helps to maintain body condition and supports reproduction on low quality grazing and roughages.

### CLASS

Concentrate for Cattle and Sheep Supplement Feed

### FROM

Mash

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing must be available at all times.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a urea containing lick to prevent over consumption of urea due to salt hunger.

## MIXING INSTRUCTIONS

INGREDIENTS	PRODUCTION SUPPLEMENT		MAINTENANCE SUPPLEMENT
	SHEEP	CATTLE	CATTLE AND SHEEP
Maize meal , Hominy chop , wheat bran <sup>1</sup>	300 kg	250 kg	0
Lick Concentrate	200 kg	320 kg	480 kg
Molasses meal <sup>2</sup>	80 kg	80 kg	0
Salt <sup>3</sup>	100 kg	150 kg	250kg
Total	680 kg	800 kg	730 kg

## RECOMMENDED INTAKE g/ANIMAL/DAY

ANIMAL	PRODUCTION SUPPLEMENT	MAINTENANCE SUPPLEMENT
<b>Cattle</b>	1000 - 1200	500 - 650
<b>Sheep</b>	280 - 350	100 - 130

<sup>1</sup> Maize meal (80g/kg protein on an as fed basis).

<sup>2</sup> Molasses meal can be replaced by the same quantity of any energy source (e.g. maize).

<sup>3</sup> Salt levels may be increased or decreased depending on the required intake one wants to achieve.

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg.urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. **Sufficient trough space is of the utmost importance.**

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	700
Equiv. Crude Protein from NPN (max.)	100.43 %
Urea (max.)	200
Moisture (max.)	120
Calcium (min.)	23
Calcium (max.)	69
Phosphorus (min.)	23
Ca:P Ratio	1-3:1
Iron (min.)	360 mg/kg
Copper (min.)	260 mg/kg
Manganese (min.)	580 mg/kg
Zinc (min.)	960 mg/kg
Cobalt (min.)	8.7 mg/kg
Iodine (min.)	4.25 mg/kg
Selenium (min.)	2.9 mg/kg
ME Bees/Skaap	5 MJ/kg



# LICK CONCENTRATE

Reg No: V26089 – Act 36/1947

PRODUCT CODE: R1208

COMPOSITION OF MIXTURE	CLASS: PROTEIN, ENERGY, MINERAL AND TRACE MINERAL SUPPLEMENT		
	PRODUCTION SUPPLEMENT		MAINTENANCE SUPPLEMENT
NUTRIENT	SHEEP g/KG	CATTLE g/KG	CATTLE AND SHEEP g/KG
<b>Crude Protein (min.)</b>	250 kg	300 kg	460
<b>Equiv. Crude Protein from NPN (max.)</b>	86.15 %	93.73 %	100.49 %
<b>Urea (max.)</b>	59	80	132
<b>Moisture (max.)</b>	120	120	120
<b>Calcium (min.)</b>	8	10.1	15
<b>Calcium (max.)</b>	32	29	46
<b>Phosphorus (min.)</b>	8	10.1	15
<b>Ca:P Ratio</b>	1-4:1	1-4:1	1-3:1
<b>ME Cattle/Sheep</b>	7.8 MJ/kg	7.1 MJ/kg	

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. Mix this concentrate thoroughly with the prescribed ingredients.





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# WINTERTECH HPC

Reg No: V17083 – Act 36/1947

## HIGH QUALITY LICK CONCENTRATE FOR CATTLE AND SHEEP

- Suitable for mixing of high quality maintenance and production licks for cattle and sheep.
- Provides optimal quantities of quality natural protein, NPN, minerals and trace minerals for economic utilization of low quality roughages.
- Maintains body condition and supports reproduction on low quality grazing and roughages.

### CLASS

Concentrate for Cattle and Sheep Supplement Feed

### FROM

Mash

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

## MIXING INSTRUCTIONS

INGREDIENTS	PRODUCTION SUPPLEMENT		MAINTENANCE SUPPLEMENT
	SHEEP	CATTLE	CATTLE AND SHEEP
<b>Maize meal, Hominy chop, wheat bran<sup>1</sup></b>	300 kg	250 kg	
<b>Wintertech HPC</b>	200 kg	320 kg	480 kg
<b>Molasses meal<sup>2</sup></b>	80 kg	80 kg	
<b>Salt<sup>3</sup></b>	100 kg	150 kg	250kg
<b>Total</b>	680 kg	800 kg	730 kg

## RECOMMENDED INTAKE g/ANIMAL/DAY

ANIMAL	PRODUCTION SUPPLEMENT	MAINTENANCE SUPPLEMENT
<b>Cattle</b>	1150-1200	425-550
<b>Sheep</b>	300-330	120-150

<sup>1</sup> Maize meal (80g/kg protein on an as fed basis).

<sup>2</sup> If molasses meal is not used it can be replaced by the same quantity of any energy source (e.g. maize).

<sup>3</sup> Salt levels may be increased or decreased depending on the required intake one wants to achieve with the above supplements.

## FEEDING INSTRUCTIONS

1. Adaptation of animals is important when changing from a NPN-free feed to a feed which contains NPN (eg. urea). It is advisable to use a 50/50 mixture of the two types of feed over a period of 4-6 days in order to facilitate adaption.
2. This farm feed must not be fed indiscriminately together with other NPN containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
6. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. **Sufficient trough space is of the utmost importance.**

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	700
Equiv. Crude Protein from NPN (max.)	96.33 %
Urea (max.)	190
Moisture (max.)	120
Calcium (min.)	31
Calcium (max.)	55
Phosphorus (min.)	21
Ca:P Ratio	1-2.5:1
Iron (min.)	273 mg/kg
Copper (min.)	195 mg/kg
Manganese (min.)	250 mg/kg
Zinc (min.)	720 mg/kg
Cobalt (min.)	1.9 mg/kg
Iodine (min.)	6.5 mg/kg
Selenium (min.)	1.75 mg/kg
ME Cattle/Sheep	6 MJ/kg



# WINTERTECH HPC

Reg No: V26089 – Act 36/1947

PRODUCT CODE: R1210

COMPOSITION OF MIXTURE	CLASS: PROTEIN, ENERGY, MINERAL AND TRACE MINERAL SUPPLEMENT		
	PRODUCTION SUPPLEMENT		MAINTENANCE SUPPLEMENT
NUTRIENT	SHEEP g/KG	CATTLE g/KG	CATTLE AND SHEEP g/KG
<b>Crude Protein (min.)</b>	250 kg	310 kg	460
<b>Equiv. Crude Protein from NPN (max.)</b>	79.33 %	87.01 %	96.39 %
<b>Urea (max.)</b>	55.88	70.36	124.93
<b>Moisture (max.)</b>	120	120	120
<b>Calcium (min.)</b>	10	10	19
<b>Calcium (max.)</b>	23	23	36
<b>Phosphorus (min.)</b>	7.8	9.2	13.8
<b>Ca:P Ratio</b>	1-3:1	1-3:1	1-3:1
<b>ME Cattle/Sheep</b>	8 MJ/kg	7.18 MJ/kg	

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. Mix this concentrate thoroughly with the prescribed ingredients.



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# SUPERTECH HPC

Reg No: V20363 – Act 36/1947

## CONCENTRATE FOR MIXING OF HIGH QUALITY SUPPLEMENTS FOR SHEEP AND GOATS

- Suitable for sheep and goats in production on low quality grazing or roughages.
- Final mixtures provide optimal quantities of quality energy, natural protein, NPN, minerals and trace minerals for economic utilization of low quality roughages.
- Final mixtures supply high levels of rumen bypass protein and energy for improved ADG as well as milk and wool production.
- Recommended for flush feeding, pregnant ewes, lactating ewes and growing live stock.

### CLASS

Concentrate for Sheep Supplement Feed

### FROM

Mash

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing/roughage must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

## FEEDING INSTRUCTIONS

1. Protect the feed from rain. NPN (e.g. urea) is soluble and animals drinking such a solution could be poisoned.
2. This farm feed must not be fed indiscriminately together with other NPN containing feeds. Contact an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of grazing/roughage available.
5. Lick intake should be managed. The recommendation is to feed the animal the required amount per day, however research shows that if animals consume the supplement in a shorter period than recommended, no feed related problems are experienced. The required amount of lick can be supplied (g/animal x number of animals x 2 days) every third day if management practice only allows that. These feeding methods ensure accurate intake under all circumstances, which would not be possible if salt is used solely as an intake regulator. **Sufficient trough space is of the utmost importance.**

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	350
Equiv. Crude Protein from NPN (max.)	55.03 %
Urea (max.)	44.5
Moisture (max.)	120
Calcium (min.)	20
Calcium (max.)	30
Phosphorus (min.)	8
Ca:P Ratio	2.5-3.75:1
Magnesium (min.)	3.6
Copper (min.)	95 mg/kg
Manganese (min.)	210 mg/kg
Zinc (min.)	350 mg/kg
Cobalt (min.)	0.9 mg/kg
Iodine (min.)	0.3 mg/kg
Selenium (min.)	1 mg/kg
ME Cattle/Sheep	8 MJ/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. Mix this concentrate thoroughly with the prescribed ingredients.

# SUPERTECH HPC

Reg No: V20363 – Act 36/1947

PRODUCT CODE: R1224



MIXING INSTRUCTIONS	PRODUCTION SUPPLEMENT			MAINTENANCE SUPPLEMENT
	MIX 1	MIX 2	MIX 3	
<b>INGREDIENTS</b>				
<b>Maize meal, Hominy chop, wheat bran<sup>1</sup></b>	150 kg	200 kg	250 kg	
<b>Supertech HPC</b>	240 kg	200 kg	160 kg	400 kg
<b>Molasses meal<sup>2</sup></b>	40 kg	40 kg	40 kg	40 kg
<b>Salt<sup>3</sup></b>	50 kg	50 kg	50 kg	100 kg
<b>Total</b>	480 kg	490 kg	500 kg	540 kg

<sup>1</sup> Maize meal (80g/kg protein on an as fed basis).

<sup>2</sup> If molasses meal is not used it can be replaced by the same quantity of any energy source (e.g. maize).

<sup>3</sup> Salt levels may be increased or decreased depending on the required intake one wants to achieve with the above supplements.

RECOMMENDED INTAKE (g/SHEEP/DAY)				
<b>Maintenance</b>	270 - 300	270 - 300	270 - 300	150-200
<b>Pregnant ewes</b>	270 - 350	270 - 350	270 - 350	
<b>Lactating ewes</b>	350 - 500	350 - 500	350 - 500	
<b>Young replacement ewes</b>	270 - 500	270 - 500	270 - 500	

COMPOSITION OF MIXTURE	CLASS: PROTEIN, ENERGY, MINERAL AND TRACE MINERAL SUPPLEMENT			
	PRODUCTION SUPPLEMENT			MAINTENANCE SUPPLEMENT
	MIX 1	MIX 2	MIX 3	
<b>NUTRIENT</b>	<b>g/KG</b>	<b>g/KG</b>	<b>g/KG</b>	<b>g/KG</b>
<b>Crude Protein (min.)</b>	200	175	155	260
<b>Equiv. Crude Protein from NPN (max.)</b>	48.15 %	44.92 %	39.77 %	54.88 %
<b>Urea (max.)</b>	22.2	18.2	14.2	32.96
<b>Moisture (max.)</b>	120	120	120	120
<b>Calcium (min.)</b>	10	8	7	15
<b>Calcium (max.)</b>	15	13	11	25
<b>Phosphorus (min.)</b>	4	3.2	3.7	6
<b>Ca:P Ratio</b>	2.5-3.75:1	2.5-4:1	1.89-2.97:1	2.5-4.17:1
<b>ME Sheep</b>	8.9 MJ/kg	9.3 MJ/kg	9.6 MJ/kg	







# PROFOS CONCENTRATE

Reg No: V19064 – Act 36/1947

## PHOSPHATE-SALT TRACE MINERAL SUPPLEMENT CONCENTRATE FOR RUMINANTS

- A concentrated mineral supplement for cattle and sheep on natural pastures.
- Final mixture contains a complete series of macro and micro minerals in correct relation to phosphorus.
- Final mixture contains 17% crude protein which helps optimise rumen function, especially during mid-summer droughts.
- Stimulates feed intake and growth in young and producing animals.

### CLASS

Phosphate and Trace Mineral Supplement Concentrate for Ruminants

### FROM

Mash

### PACKAGING

40 kg Bags

### FEEDING RECOMMENDATIONS

- This is a supplement and not a feed.
- Sufficient grazing must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals.
- A constant daily intake can help prevent poisoning.
- A salt phosphorus lick must be available at least 7 days prior to feeding a NPN-containing lick to prevent over consumption of urea due to salt hunger.
- Store in a cool, dry place, away from direct sunlight.

### RECOMMENDED INTAKE

ANIMAL	Production supplement (g/ANIMAL/DAY)
<b>Cattle</b>	150 - 240
<b>Young growing animals</b>	100 - 120
<b>Lactating cows</b>	200 - 240
<b>Dry cows</b>	150 - 200
<b>Sheep</b>	17 - 40
<b>Lambs</b>	15 - 18
<b>Lactating ewes</b>	25 - 40
<b>Non-lactating ewes</b>	20 - 30

## MIXING INSTRUCTIONS

INGREDIENT	NORMAL INTAKE	INCREASED INTAKE
<b>Profos Concentrate</b>	200 kg	240 kg
<b>Molasses meal</b>		40 kg
<b>Salt</b>	200 kg	200 kg
<b>Total</b>	400 kg	480 kg

## FEEDING INSTRUCTIONS

1. Protect this farm feed against rain. NPN is soluble and animals drinking such a solution could be poisoned.
2. Do not feed this farm feed indiscriminately with other NPN containing farm feeds. Consult an AFGRI Animal Feeds Technical Advisor for recommendations.
3. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
4. Feed *ad lib*
5. Guidelines for intake: Intake will depend on the production status of the animals and the quality and quantity of pasture available.

## COMPOSITION

NUTRIENT	Concentrate	Mix
	g/kg	g/kg
<b>Crude Protein (min.)</b>	340	170
<b>Equiv. Crude Protein from NPN (max.)</b>	91.91 %	91.91 %
<b>Urea (max.)</b>	0	0
<b>Other NPN (max.)</b>	500	250
<b>Moisture (max.)</b>	120	120
<b>Calcium (min.)</b>	120	60
<b>Calcium (max.)</b>	240	120
<b>Phosphorus (min.)</b>	120	60
<b>Ca:P Ratio</b>	1-2:1	1-2:1
<b>Iron (min.)</b>	1000 mg/kg	500 mg/kg
<b>Copper (min.)</b>	600 mg/kg	300 mg/kg
<b>Manganese (min.)</b>	1600 mg/kg	800 mg/kg
<b>Zinc (min.)</b>	2000 mg/kg	1000 mg/kg
<b>Cobalt (min.)</b>	7 mg/kg	3.5 mg/kg
<b>Iodine (min.)</b>	26 mg/kg	13 mg/kg
<b>Selenium (min.)</b>	8 mg/kg	4 mg/kg

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.

# REPRODUCTION



AFGRI Veevoere Reprotech Teelkoei is 'n beproefde produk vir die gebruik in embriospoel en -oorplasings programme. Produkte vir die gebruik by teelbulle en semen skenkerbulle is ook op aanvraag beskikbaar waar daar van die selfde tegnologiese kennis gebruik gemaak word. Kontak 'n AFGRI Tegniese Adviseur vir meer besonderhede.







# REPROTECH BREEDING COW

Reg No: V23274 – Act 36/1947

## HIGH QUALITY SUPPLEMENT FOR EMBRYO DONOR AND RECEIVER COWS.

- Supplement for cows and heifers with *ad lib* high quality roughage and/or sufficient summer and winter grazing available.
- Provides optimal quantities of quality natural protein, NPN, minerals, trace minerals and energy for maximum performance.
- Supplies high levels of rumen bypass protein and energy for improved performance.
- Supplies high levels of specific minerals and vitamins for production of high quality and quantities of follicles and embryos.
- Recommended for embryo-donor and receiver animals.

### CLASS

Concentrate Dairy Feed

### FROM

Mash or Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- This is a high-energy product and animals must be adapted to it.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake can help to prevent rumen digestive problems.
- Sufficient trough space must be available to prevent gluttonous eating.
- Store in a cool, dry place, away from direct sunlight.

## WARNING

This farm feed contains a NPN source and registered stock remedies. Feed strictly according to instructions. For stock remedy recommendations see attached label.

## FEEDING INSTRUCTIONS

1. It is recommended that the feed be fed in at least 2-4 meals per day.
2. This farm feed should not be fed indiscriminately together with other NPN-containing feeds. Consult an AFGRI Animal Feeds Technical Advisor.
3. Protect the feed against rain.
4. Vinegar is an effective remedy against NPN poisoning. Treatment: Mix with an equal amount of water and dose half a bottle per calf or large sheep and 2 to 4 bottles per head of cattle (1 bottle = 750ml).
5. Ensure that sufficient trough space is available.
6. Ensure that sufficient roughage is always available.
7. The quantity of meal fed will depend on:
  - a. the quality and availability of grazing and/or roughage
  - b. the condition of the animal, and
  - c. the mass of the animal.

Contact an AFGRI Animal Feeds Technical Advisor for feeding recommendations.

## COMPOSITION

NUTRIENT	g/kg
Crude Protein (min.)	130
Ureum	0
Moisture (max.)	120
Crude Fat (min.)	25
Crude Fat (max.)	75
Crude Fibre (max.)	150
Calcium (min.)	8
Calcium (max.)	12
Phosphorus (min.)	4
Ca:P Ratio	2-3:1

# GAME



AFGRI Veevoere se reeks produkte vir die gebruik by wild is so saamgestel dat dit 'n wye verskeidenheid behoeftes kan bevredig. Die Trophytech reeks is spesifiek vir die aanwending by skaars wild soorte geformuleer. Daar is ook spesiale vrugbaarheid pakke beskikbaar wat op aanvraag bygevoeg kan word vir die verbetering in reproduksie en groei.









# HERBITECH

Reg No: V27239- Act 36/1947

## BENEFITS OF HERBITECH

- Herbitech is a protein and energy supplement with a balanced mineral and trace mineral pack.
- Herbitech is urea free. Contains only natural protein sources.
- Herbitech in pellet form that makes it wind resistant and prevents birds from feeding on the grain component.
- Herbitech contains lucerne as a roughage source.
- Herbitech can be used as a drought supplement.

PRODUCT CODE: T2801P

### CLASS

Ruminant Maintenance Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- Animals should be fed strictly according to instructions.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake prevents rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

GUIDELINES FOR INTAKES	GRAM PER ANIMAL PER DAY
Maintenance	1500g/100kg body mass
Complete feed	2800g/100kg body mass

Stock remedies and other additives can be included on request or veterinary prescription.

### WARNING

This farm feed contains a NPN source and registered stock remedies.  
Feed strictly according to instructions. For stock remedy recommendations see attached label.



## FEEDING INSTRUCTIONS

Herbitech is a complete feed, but can also be used as a supplementary feed along with other quality roughage or pasture.

The amount of product fed will depend on:

- Animals in bomas or small enclosure - feed as a complete feed with additional roughage. Adapt animals by starting with 0.5 % of body mass.
- As supplement to pastures - the quality and quantity of pastures that are available to be taken into account.
- Condition and weight of animals at the start of feeding period.
- Consult an AFGRI Animal Feeds Technical Advisor for recommendations.

**Feed Herbitech at 1.5% to 2.8% of body mass depending on whether it is used as a supplement or complete feed.**

## COMPOSITION

NUTRIENT	UNIT	MIN.	MAX.
<b>Crude Protein (min.)</b>	g/kg	100	
<b>Crude Protein From NPN</b>	%		0
<b>Crude Fibre</b>	g/kg	110	250
<b>Crude Fat</b>	g/kg	20	80
<b>Moisture</b>	g/kg		120
<b>Calcium</b>	g/kg	5	10
<b>Phosphorus</b>	g/kg	3	
<b>Ca:P Ratio</b>	-	1.4:1	3:1
<b>ME Ruminant</b>	MJ/kg	9.5	



# GAMETECH 16

Reg No: V28486 – Act 36/1947

PRODUCT CODE: T2804P

## BENEFITS OF GAMETECH 16

- Gametech 16 is a protein and energy supplement with a balanced mineral and trace mineral pack.
- Gametech 16 is urea free. Contains only natural protein sources.
- Gametech 16 is in pellet form that makes it wind resistant and prevents birds from feeding on the grain component.
- Gametech 16 contains lucerne as a roughage source.

### CLASS

Game Feed

### FROM

Pellets

### PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- Animals should be fed strictly according to instructions.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake prevents rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

GUIDELINES FOR INTAKES	GRAM PER ANIMAL PER DAY
<b>Maintenance</b>	1500g/100kg body mass
<b>Complete feed</b>	2800g/100kg body mass

Stock remedies and other additives can be included on request or veterinary prescription.

### WARNING

This farm feed contains registered stock remedies. Feed strictly according to instructions.



## FEEDING INSTRUCTIONS

Gametech 16 is a complete feed, but can also be used as a supplementary feed along with other quality roughage or pasture.

The amount of product fed will depend on:

Animals in bomas or small enclosure - feed as a complete feed with additional roughage.

Adapt animals by starting with 0.5 % of body mass.

- As supplement to pastures - the quality and quantity of pastures that are available to be taken into account.
- Condition and weight of animals at the start of feeding period.
- Consult an AFGRI Animal Feeds Technical Advisor for recommendations.

**Feed Gametech 16 at 1.5% to 2.8% of body mass depending on whether it is used as a supplement or complete feed.**

## COMPOSITION

NUTRIENT	UNIT	MIN.	MAX.
<b>Crude Protein (min.)</b>	g/kg	160	
<b>Crude Protein From NPN</b>	%		0
<b>Crude Fibre</b>	g/kg		150
<b>Crude Fat</b>	g/kg	15	75
<b>Moisture</b>	g/kg		120
<b>Calcium</b>	g/kg	8	15
<b>Phosphorus</b>	g/kg	3.5	
<b>Ca:P Ratio</b>	-	2.28:1	3:1
<b>ME Estimate</b>	MJ/kg	9.6	



# TROPHYTECH COMPLETE

Reg No: V25201 – Act 36/1947

## BENEFITS

- Specialised product that provides balanced amounts of energy, protein and minerals for trophy game of all species.
- Contains high levels of bypass protein and amino acids.
- Urea free. Contains only natural protein sources.
- In pellet form therefore is wind resistant and prevents birds from feeding on the grain component.
- Contains lucerne as a roughage source.
- High in energy.
- A specially formulated premix pack can be added to the product to promote fertility.

## CLASS

Game Feed

## FROM

Pellets

## PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- Animals should be fed strictly according to instructions.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake prevents rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

ANIMAL	GRAM/ANIMAL/DAY
Game	1500 g - 2800 g/100 kg body mass
Consult the complete RECOMMENDED INTAKE-table for all species.	

Stock remedies and other additives can be included on request or veterinary prescription.

## WARNING

This farm feed contains registered stock remedies. Feed strictly according to instructions.

PRODUCT CODE: T2802P



ANDRÉ PRETORIUS FOTOGRAFIE ©

## FEEDING INSTRUCTIONS

Trophytech Complete is a complete feed, but can also be fed as a supplement with quality roughage or pasture.

The amount of product fed will depend on:

- Animals in bomas or small enclosure - feed as a complete feed with additional roughage. Adapt animals by starting with 0.5 % of body mass.
- As supplement to pastures - the quality and quantity of pastures that are available to be taken into account.
- Condition and weight of animals at the start of feeding period.
- Consult an AFGRI Animal Feeds Technical Advisor for recommendations.

Feed Trophytech Complete at 1.5% to 2.8% of body mass depending on whether it is used as a supplement or complete feed.

## COMPOSITION

NUTRIENT	UNIT	MIN.	MAX.
<b>Crude Protein (min.)</b>	g/kg	140	
<b>Crude Protein From NPN</b>	%		0
<b>Crude Fibre</b>	g/kg	120	200
<b>Crude Fat</b>	g/kg	15	75
<b>Moisture</b>	g/kg		120
<b>Calcium</b>	g/kg	8	10
<b>Phosphorus</b>	g/kg	3.5	
<b>Ca:P Ratio</b>	-	1.4:1	3:1
<b>ME Estimate</b>	MJ/kg	10	



# TROPHYTECH SUPPLEMENT

Reg No: V25200 – Act 36/1947

PRODUCT CODE: **SCI014**

## BENEFITS

- Specialised product that provides balanced amounts of energy, protein and minerals for trophy game of all species.
- Contains high levels of bypass protein and amino acids.
- Urea free. Contains only natural protein sources.
- In pellet form therefore is wind resistant and prevents birds from feeding on the grain component.
- Contains lucerne as a roughage source.
- High in energy.
- A specially formulated premix pack can be added to the product to promote fertility.

## CLASS

Game Feed

## FROM

Pellets

## PACKAGING

40 kg Bags

## FEEDING RECOMMENDATIONS

- Animals should be fed strictly according to instructions.
- Sufficient grazing/roughage must be available at all times.
- A constant daily intake prevents rumen digestive problems.
- Clean fresh water must always be available to the animals.
- Store in a cool, dry place, away from direct sunlight.

ANIMAL	GRAM/ANIMAL/DAY
Game	1000 g - 2200 g/100 kg body mass
Consult the complete RECOMMENDED INTAKE-table for all species.	

Stock remedies and other additives can be included on request or veterinary prescription.

## WARNING

This farm feed contains registered stock remedies. Feed strictly according to instructions.





## FEEDING INSTRUCTIONS

Trophytech Complete is a complete feed, but can also be fed as a supplement with quality roughage or pasture.

The amount of product fed will depend on:

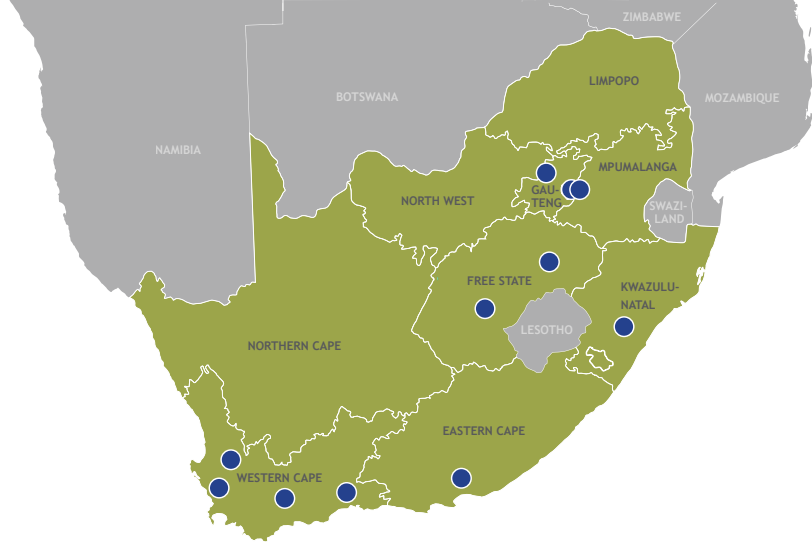
- Die kwaliteit en hoeveelheid beskikbare weiding.
- Kondisie van diere met aanvang van voerperiode.
- Die gewig van diere met aanvang van voerperiode.

Feed Trophytech Complete at 1.5% to 2.8% of body mass depending on whether it is used as a supplement or complete feed.

## COMPOSITION

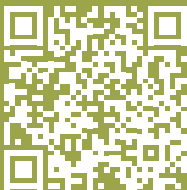
NUTRIENT	UNIT	MIN.	MAX.
<b>Crude Protein (min.)</b>	g/kg	160	
<b>Crude Protein From NPN</b>	%		0
<b>Crude Fibre</b>	g/kg	110	250
<b>Crude Fat</b>	g/kg	15	75
<b>Moisture</b>	g/kg		120
<b>Calcium</b>	g/kg	8	13
<b>Phosphorus</b>	g/kg	3.5	
<b>Ca:P Ratio</b>	-	2.28:1	4:1
<b>ME Estimate</b>	MJ/kg	10	





## CONTACT INFORMATION

Province	Place	Factory/ Depot	Address	Telephone Nr.	GPS Coordinates
<b>Gauteng</b>	Isando	Factory	11 Quality Street, Private Bag X2001, Isando, 1600	(011) 281 3600	26°08'47.7"S 28°12'28.0"E
<b>Mpumalanga</b>	Eloff	Factory	527 Kruger Street, PO Box 12, Eloff, 2211	(013) 667 9154	26°10'18.3"S 28°36'02.3"E
	Delmas Bag Storage	Depot	Farm Witklip, Delmas, PO Box 12, Eloff, 2211	(013) 665 5816	26°09'08.4"S 28°41'20.6"E
<b>Free State</b>	Bethlehem	Factory	1 Witteberg Street, PO Box 989, Bethlehem, 9700	(058) 303 5715/6/7	28°12'32.2"S 28°18'23.9"E
	Bloemfontein	Depot	228 Church Street, Hamilton, Bloemfontein, 9301	(051) 434 2442	29°08'37.0"S 26°13'03.3"E
<b>KwaZulu-Natal</b>	Pietermaritzburg	Factory	186 Ohrtmann Way, PO Box 4293, Willowton, Pietermaritzburg, 3200	(033) 387 5730	29°35'19.8"S 30°24'40.2"E
<b>Eastern Cape</b>	Paterson	Factory	22 Buchner Street, PO Box 24, Paterson, 6130	(042) 235 1180	33°26'11.3"S 25°58'11.5"E
	George	Depot	Unit 34, Tamsui Industria, PW Botha Way, George, 6529	(044) 878 2959	33°59'30.4"S 22°26'54.9"E
<b>Western Cape</b>	Klipheuwel	Factory	PO Box 2622, Durbanville, 7551	(021) 971 1213/4/5	33°41'58.6"S 18°42'00.9"E
	Swellendam	Depot	Stasie Street, Swellendam, 6740	(028) 514 3513	34°01'42.5"S 20°26'42.2"E
	Porterville	Depot	75 Voortrekker Street, Porterville, 6810	(022) 931 2270	33°00'20.7"S 18°59'36.3"E



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[www.afgrianimalfeeds.co.za](http://www.afgrianimalfeeds.co.za)

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