POULTRY

www.bupoanimalhealth.com
We at Bupo Animal Health strive for quality in everything we do.

We believe in protecting the environment as this earth is the only one we have.

Our products are innovative, and highly efficacious. They are designed to enhance productivity and performance of commercial farming operations, being meat or egg production.

Our markets are primarily emerging markets, where we belong since 1988. We own our manufacturing plant and warehousing premises in South Africa totalling 20,000m² and are present with branches in Argentina, Uruguay, South Africa, Mozambique, Kenya, Egypt, Morocco and Hong Kong.

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Antibiotics

FOSBAC
Registration Number: G2067

PRESENTATION: Water Soluble powder and Premix

DESCRIPTION: A broad spectrum energizing bactericidal antibiotic compound with the active ingredients fosfomycin and other components (electrolytes and energy source fructose 1.6 diphosphate). It was developed to optimize the animal's economic performance through Strategic Application Programs.

INDICATIONS:
• For the prevention and treatment of Salmonella infections, Colibacillosis and airsacculitis caused by E.coli, Infectious coryza, Fowl cholera, and other bacterial diseases in poultry,
• Recommended for the treatment and prevention of infections caused by Gram negative and Gram positive bacteria such as: Escherichia coli, Salmonella spp, Pasteurella spp, Colibacillosis, Infectious Coryza, Fowl Cholera, Staphylococcus spp, Strptococcus spp, Proteus spp, Pseudomonas spp, Clostridium spp, Vibro spp, Haemophilus spp, Citrobacter spp, Klebsiela spp, Shigella spp, Enterobacter spp and Ornithobacterium spp.

DOSAGE AND DIRECTIONS FOR USE:
1. Water soluble powder;
   Large Operations: (Treatment: use as prescribed by your veterinarian)
   - Broilers: 160 mg Fosbac (40 g Fosfomycin)/kg body mass for 3-5 consecutive days administered via the drinking water.
   - Breeders: 160 mg Fosbac (40 g Fosfomycin)/kg body mass for 3-5 consecutive days administered via the drinking water.
   - Layers: 160 mg Fosbac (40 g Fosfomycin)/kg body mass (approx. 288 g per 1000 layer hens at Average Live Weight (ALW) of 1.8 kg) for 3 -5 consecutive days.
   Small Operations:
   - Dissolve 5 g (±teaspoon) in 10 litres clean water and provide as drinking water for 3-5 days.

2. Premix;
   - Prevention: Broilers, Breeders and Layers: 400 – 600 g/ton of feed
   - Treatment: Broilers, Breeders and Layers: 800-1200 g/ton of feed

PACKAGING:
• Water Soluble powder: 1 kg, 30 kg
• Premix: 30 kg

KITASAMYCIN 11%
Registration number: G4050

PRESENTATION: Water Soluble powder and premix

DESCRIPTION: Belonging to the macrolide group, its antibacterial activity is similar to tylosin, erythromycin, spiramycin and oleandomycin. The mode of action is to inhibit the protein synthesis process.

INDICATIONS:
• For the treatment and prevention of Mycoplasma and bacterial causes of respiratory and intestinal diseases,
• Can also be used for growth promotion.

DOSAGE AND DIRECTIONS FOR USE:
1. Water soluble powder
   - 1 g/2 litres of drinking water for 5 to 7 days continuously.

2. Premix
   Use only as directed. Incorporate to the balanced feed of poultry. To obtain a more uniform distribution of the product, prepare an intermediate premix with 20 to 30 kg of feed. Then mix the intermediate premix into the final feed.
   - Growth promotion: continuous treatment at 50-100g/ton of feed,
   - Chronic Respiratory Disease prevention: 400 g/ton of feed for 5-7 days,
   - Chronic Respiratory Disease treatment: 1000-3000 g/ton of feed for 5-7 days.

PACKAGING:
• Water Soluble powder: 1 kg, 5 kg
• Premix: 25 kg, 30 kg
**TFC**  
Registration number: G3402  

**PRESENTATION:** Water Soluble powder and Premix  

**DESCRIPTION:** The oxytetracycline is also referred to as the Tetracycline Phosphate Complex (TFC). This disodium salt of TFC is an alternative to the ordinary oxytetracycline with significant improvements in its sensitivity and absorption in the gastrointestinal tract. It achieves higher blood levels after oral ingestion from water or feed application. It also has the added advantage that it does not form chelates with Calcium, Iron or Magnesium ions present in the intestines. It has a bacteriostatic effect on bacteria and has a low toxicity.

**INDICATIONS:**
- A broad spectrum bactericidal antibiotic effective for the prevention and treatment against Gram positive and Gram negative bacteria, as well as *Mycoplasma*.
- It is used against bacterial challenges prevalent in poultry during the production cycles that are sensitive towards oxytetracyclines,
- For growth promotion and increased feed efficiency.

**DOSE AND DIRECTIONS FOR USE:**

1. **Water soluble powder;**
   - **Large Operations:** (Treatment: use as prescribed by your veterinarian.)
     - **Broilers:** 160 mg TFC (40 g Fosfomycin)/kg body mass (approx. 400 g per 1000 chickens at KLW of 1 kg) for 3-5 consecutive days administered to the drinking water
     - **Breeders:** Use 160 mg TFC (40 g Fosfomycin)/kg body mass (approx. 400 g per 1000 chickens at KLW of 2.5 kg) for 3-5 consecutive days in the drinking water.
   - **Layers:** Use as prescribed by veterinarian. Recommended dosage is 160 mg TFC (40 g Fosfomycin)/kg body mass (approx. 288 g per 1000 layer hens at KLW of 1.8 kg) for 3-5 consecutive days
   - **Small Operations:**
     - **Broilers, Layers and Breeders:** dissolve 5 g in 10 litre clean water and provide as drinking water for 3 to 5 days.

2. **Premix;**
   - **Prevention:** Broilers, Breeders and Layers: 400-600 g per ton of feed.
   - **Treatment:** Broilers, Breeders and Layers: 800-1200 g per ton of feed.

**PACKAGING:**
- **Water Soluble powder:** 50 g, 160 g, 1 kg  
- **Premix:** 30 kg

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**FOSBAC Plus T**  
Registration number: G2810  

**PRESENTATION:** Water Soluble powder and premix  

**DESCRIPTION:** A broad spectrum energizing compound that contains fosfomycin, fructose 1.6 diphosphate, electrolytes and tylosin. The product was developed to optimise poultry performance through Strategic Application Programs.

**INDICATIONS:**
- For the treatment and prevention of a wide range of bacterial diseases and *Mycoplasma* affecting poultry including infections of the respiratory and digestive tract,
- In breeders, broilers and layers, it is recommended for the prevention and treatment of *Salmonella* infections, chronic respiratory disease (CRD) with *Mycoplasma gallisepticum*, synovitis caused by *Mycoplasma synoviae*, *E. coli* related colibacillosis, airsacculitis caused by *E. coli*, Infectious coryza caused by *Avibacterium paragallinarum*, fowl cholera caused by *Pasteurella multocida*, and bacterial diseases caused by organisms sensitive to fosfomycin.

**DOSE AND DIRECTIONS FOR USE:**

1. **Water soluble powder;**
   - **Large Operations:** (Treatment: use as prescribed by your veterinarian.)
     - **Broilers:** 160 mg FOSBAC Plus T (40 g Fosfomycin)/kg body mass (approx. 400 g per 1000 chickens at KLW of 1 kg) for 3-5 consecutive days administered to the drinking water
     - **Breeders:** Use 160 mg FOSBAC Plus T (40 g Fosfomycin)/kg body mass (approx. 400 g per 1000 chickens at KLW of 2.5 kg) for 3-5 consecutive days in the drinking water.
   - **Layers:** Use as prescribed by veterinarian. Recommended dosage is 160 mg FOSBAC (40 g Fosfomycin)/kg body mass (approx. 288 g per 1000 layer hens at KLW of 1.8 kg) for 3-5 consecutive days
   - **Small Operations:**
     - **Broilers, Layers and Breeders:** dissolve 5 g in 10 litre clean water and provide as drinking water for 3 to 5 days.

2. **Premix;**
   - **Prevention:** Broilers, Breeders and Layers: 400-600 g per ton of feed.
   - **Treatment:** Broilers, Breeders and Layers: 800-1200 g per ton of feed.

**PACKAGING:**
- **Water Soluble powder:** 50 g, 160 g, 1 kg  
- **Premix:** 30 kg
AMOXICILINA POLVO SOLUBLE OVER

PRESENTATION: Water Soluble powder

DESCRIPTION: A semisynthetic broad-spectrum penicillin with a bactericidal action against both Gram-positive and Gram-negative bacteria. The bactericidal action is due to inhibition of cell wall synthesis. Amoxicillin is mainly excreted in urine. A major part can also be excreted in bile. Colistin is an antibiotic from the group of polymyxins with a bactericidal action against Gram-negative bacteria like E. coli, Haemophilus and Salmonella.

INDICATIONS:
- For treatment of gastrointestinal, respiratory and urinary tract infections caused by amoxicillin sensitive micro-organisms, like Campylobacter spp, Clostridium spp, Corynebacterium spp, E. coli, Erysipelothrix spp, Haemophilus spp, Pasteurella spp, Salmonella spp, penicillinase negative Staphylococcus spp and Streptococcus spp. poultry.

DOSEAGE AND DIRECTION FOR USE:
For oral administration:
- 1g per 1 litre of drinking water for 3 - 5 days.

PACKAGING:
• Water Soluble powder: 1 kg

TIAMULINA OVER 45%

PRESENTATION: Water Soluble powder

DESCRIPTION: Tiamulin is a semi-synthetic diterpene antibiotic. Its mode of action is by inhibition of ribosomal protein synthesis in sensitive bacteria. Tiamulin Over 45% is a bacteriostatic antibiotic and is effective against Mycoplasma spp, Gram-positive spp. like Staphylococcus spp. and Streptococcus spp. and Gram-negative spp. like Pasteurella spp. and Bacteroides spp.

INDICATIONS:
- To reduce the severity of disease caused by mycoplasma.

DOSEAGE AND DIRECTION FOR USE
For oral administration:
- 2ml per 1litres of drinking water (250 ppm) for 3 - 5 days.
- Prevention: 3g per100kg liveweight
- Therapeutic: 7 to 13 g per 100kg liveweight

PACKAGING:
• Water Soluble powder: 100 g, 250 g, 500 g

Internal Parasiticide

OVERCOX 2,5%

PRESENTATION: Water Soluble liquid

DESCRIPTION: OVERCOX is an anticoccidial with activity against Eimeria spp. in poultry (Eimeria acervulina, Eimeria brunetti, Eimeria maxima,Eimeria mitis, Eimeria necatrix and Eimeria tenella) in chickens.

INDICATIONS:
For the treatment of coccidiosis of all stages like schizogony and gametogony stages of Eimeria spp.

DOSEAGE ND DIRECTIONS FOR USE:
For oral administration:
- 1ml per litre of drinking water for continuous medication over 48 hours, OR
- 3ml per litre of drinking water given for 8 hours per day, for two consecutive days
  (This corresponds to a dose rate of 7 mg of toltrazuril per kg body weight per day for 2 consecutive days).
Note: supply the medicated drinking water as the only source of drinking water. Do not administer to poultry producing eggs for human consumption.

PACKAGING:
• Water Soluble liquid: 100 ml, 500 ml
OVERSULFA

PRESENTATION: Water Soluble liquid

DESCRIPTION: OVERSULFA is a combination of Sodium sulphamethazine and sodium sulfite which have a synergistic and bacteriostatic effect (against many Gram-positive and Gram-negative bacteria like E. coli, Haemophilus, Pasteurella, Salmonella, Staphylococcus and Streptococcus spp.) and coccidiostatic effect.

INDICATIONS:
Gastrointestinal and respiratory infections caused by trimethoprim and/or sulfadiazine sensitive micro-organisms like E. coli, Haemophilus, Pasteurella, Salmonella, Staphylococcus and Streptococcus spp. in calves, sheep, goats, poultry and swine.

DOSEAGE AND DIRECTION FOR USE:
For oral administration.
• Poultry: 10ml per litre drinking water for 4-7 days.

PACKAGING:
• Water Soluble liquid: 100 ml, 500 ml, 1000 ml

OVERFLOXACIN ORAL OVER

PRESENTATION: Water Soluble liquid

DESCRIPTION: Enrofloxacin is the active ingredient in OVERFLOXACIN ORAL OVER. Enrofloxacin is a synthetic, broad spectrum antimicrobial substance, belonging to the fluoroquinoline group of antibiotics and is active against Gram-negative and Gram-positive bacteria and mycoplasmas. It is well absorbed after oral administration and rapidly excreted in the bile and urine.

INDICATIONS:
For gastrointestinal, respiratory and urinary tract infections caused by enrofloxacin sensitive micro-organisms like Campylobacter, E. coli, Haemophilus, Mycoplasma, Pasteurella and Salmonella spp. in poultry and swine.

DOSEAGE AND DIRECTION FOR USE:
For oral administration:
• Poultry: 0.5ml per litre of drinking water for 3-5 days. Only sufficient medicated drinking water should be prepared to cover daily requirements. Medicated drinking water should be replaced every 24 hours.

PACKAGING:
• Water Soluble liquid: 100 ml, 500 ml

TILMICOSINA OVER CONCENTRATE ORAL

PRESENTATION: Water Soluble liquid

DESCRIPTION: Tilmicosin is a broad-spectrum semi-synthetic bactericidal macrolide antibiotic synthesized from tylosin. It has an antibacterial spectrum that is predominantly effective against Mycoplasma spp, Pasteurella spp and Haemophilus spp. and various Gram-positive organisms such as Corynebacterium spp.

INDICATIONS:
For the control and treatment of respiratory infections caused by Mycoplasma spp. Pasteurella multocida.

DOSEAGE AND DIRECTION FOR USE:
For oral administration.
• Poultry: 4-5ml per 10 litres of drinking water (75 ppm) for 3 days.

PACKAGING:
• Water Soluble liquid: 250 ml
**OVERBIOTIC POLVO SOLUBLE**

**PRESENTATION:** Water Soluble powder  

**DESCRIPTION:** This is a water soluble broad-spectrum antibiotic made up of Oxytetracycline hydrochloride in sugar-based excipient. It is effective against Gram-positive and gram-negative bacteria.  

**INDICATIONS:**  
• Poultry: Prevention and treatment of chronic respiratory disease (CRD) and mycoplasmosis caused by microorganisms sensitive to oxytetracycline.  

**DOSAGE AND DIRECTION FOR USE:**  
- 5g per 2 litres of water  

**PACKAGING:**  
• Water Soluble powder: 50 g, 800 g, 5 kg, 10 kg  

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**FLORFERNICOL SOLUTION ORAL 10% OVER**

**PRESENTATION:** Water Soluble liquid  

**DESCRIPTION:** Florfenicol is a synthetic broad-spectrum bacteriostatic antibiotic that is effective against most Gram-positive and Gram-negative bacteria in poultry. Florfenicol is a fluorinated derivative of chloramphenicol which acts by inhibiting protein synthesis at the ribosomal level in the bacteria.  

**INDICATIONS:**  
• For preventive and therapeutic treatment of gastrointestinal and respiratory tract infections, caused by bacteria such as Pasteurella spp., Salmonella spp. and Streptococcus spp. in poultry.  

**DOSAGE AND DIRECTION FOR USE:**  
For oral administration. The appropriate final dosage should be based on the daily water consumption.  
- **Poultry:** 1 litre per 1000 litres of drinking water for 5 days.  

**PACKAGING:**  
• Water Soluble liquid: 1 Lt, 2 Lt  

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**BEDGEN 40**  
**Registration number:** V13071  

**PRESENTATION:** Water Soluble liquid  

**DESCRIPTION:** Bedgen 40 is a proprietary hepatomodulator, hepatoprotector and natural performance enhancer that was developed to optimize livestock’s economic performance by keeping animals healthy and productive. Cynara dry extract is prepared from the leafy component of artichoke plant and contains cynarin, flavonoids, polyphenols and caffeoylquinic acids.  

It acts directly on the liver by increasing bile production and its flow into the intestine, enhances intermediate liver metabolism, with improvement of anabolic and catabolic pathways. Absorption of fat soluble vitamins is increased, whilst reducing blood cholesterol, triglycerides and blood fats. Choline chloride is a methyl donor, assisting in detoxification reactions in liver, and it protects cytoplasmic membranes against lipid degeneration.  

**INDICATIONS:**  
• Treatment of fatty liver syndrome in broilers, layers and breeders,  
• Treatment of signs of mycotoxins affecting the liver and other organs.  
• Treatment of signs of other intoxications such as chemicals, water, high or lethal doses of antibiotics.  

**DOSAGE AND DIRECTIONS FOR USE:**  
- **Therapeutic/Treatment:** 2 ml/L drinking water in header tank once per day.  
- **Strategic/Preventative:** 1 ml/L drinking water in header tank once per day.  

**PACKAGING:**  
• Water Soluble liquid: 100 ml, 1 Lt
**BEDGEN PREMIX**
Registration number: V17380

**DESCRIPTION:** Bedgen 40 is a proprietary hepatomodulator, hepatoprotector and natural performance enhancer that was developed to optimize livestock’s economic performance by keeping animals healthy and productive. Cynara dry extract is prepared from leafy component of the artichoke plant and contains cynarin, flavonoids, polyphenols and caffeoylquinic acids.

It acts directly on the liver by increasing bile production and its flow into the intestine, enhances intermediate liver metabolism, with improvement of anabolic and catabolic pathways. Absorption of fat soluble vitamins is increased, whilst reducing blood cholesterol, triglycerides and blood fats. Choline chloride is a methyl donor, assisting in detoxification reactions in liver, and it protects cytoplasmic membranes against lipid degeneration.

**INDICATIONS:**
- Reduction of culls in breeders and layers during the production phase,
- Improvement of egg production in breeders and layers,
- Improvement of egg production and hatchability in breeders,
- To enhance feed conversion and utilisation,
- To improve flock uniformity (CV) and hence allow even growth of the flock,
- Treatment of fatty liver syndrome in broilers, layers and breeders,
- Treatment of signs of mycotoxins affecting the liver and other organs.

**DOSEAGE AND DIRECTIONS FOR USE:**
- **Precautions:** to obtain a more uniform product, prepare an intermediary mix of one (1) part premix to ten (10) parts feed.
- **Broilers:** 150 g/ton of feed from 0-21 days of age
- **Breeders and layers in rearing:** 150 g/ton of feed for four (4) to six (6) weeks
- **Adult layers and breeders:** 150 g/ton of feed for three (3) to five (5) weeks over peak of production.

**PACKAGING:**
- Premix: 5 kg, 30 kg

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**AVETOTAL**
Registration number: G3355

**DESCRIPTION:** Avetotal is a therapeutic aid that improves immunity during challenging conditions such as those caused by viral and bacterial diseases and other stress related conditions. The combined effect of levamisole, fructose 1.6 diphosphate, vitamins and electrolytes makes Avetotal a product for perfect use during immunosuppressive conditions and any associated stress.

**INDICATIONS:**
- For routine applications during pre and post routine vaccinations in broilers, rearing flocks, pullets, breeders and layers,
- To enhance rapid recovery of poultry after *viral* OR *bacterial* disease challenges, general *toxicity* situations, disorders due to *avitaminosis* and any associated stress (e.g stress of shifting layer/breeder pullets to cages from rearing houses, stress of transport, heat stress).

**DOSEAGE AND DIRECTIONS FOR USE:**
Administer as per the recommendations of a veterinarian in drinking water for at least 3 consecutive days.

- **Broilers (Day 1-7):** Administer AVETOTAL in drinking water, at a dose rate of 100 mg/kg body mass (approximately 120 g AVETOTAL for 30 000 or 4 g AVETOTAL per 1000 chicks at 40g ALM) for 3 days
- **Broilers and Pullets (> 10 days):** Administer at a dose rate of 100 mg/kg (3 kg AVETOTAL for 30 000 birds at 1 kg ALM)
- **Breeders:** Administer in drinking water at a dose rate of 100 mg Avetotal/kg body mass (Approximately 1,25 kg for 5000 birds at 2,5 kg average live mass) for 3 days. Repeat for each vaccination.
- **Layers:** Administer in drinking water at a dose rate of 100 mg /kg body mass (900 g AVETOTAL for 5000 birds at 1.8 kg ALM).

*Repeat for each vaccination.*

**PACKAGING:**
- Water Soluble powder: 50 g, 5 kg
**ROPADIAR SOLUTION 8%**

*Registration number: V24351*

**PRESENTATION:** Water Soluble liquid

**DESCRIPTION:** Ropadiar is a unique blend of essential oils, 100% natural product with no withdrawal period. Ropadiar has antibacterial, antifungal, anti-parasitic, anti-oxidant, anti-inflammatory and anti-toxigenic properties. Ropadiar provides extra protection during stressful periods, reduces incidence of diseases caused by bacteria, reduces mortality and improves feed conversion ratio (FCR). Ropadiar reduces antibiotic growth promoters (AGP) and Coccidiostat usage.

**INDICATIONS:**
- To improve feed efficiency in rearing and in lay,
- To assist in problems associated with Necrotic Enteritis,
- To reduce mortality and improvement of growth rate and FCR,
- To provide extra protection during stressful periods,
- For use throughout the production cycle to improve production and livability,
- To reduce the incidence of diseases caused by bacteria, viruses and parasites.

**DOSAGE AND DIRECTIONS FOR USE:**
- **Broilers and Breeders Day 3-10:** 100-250 ml/1000 Litres drinking water
- **Broilers and Breeders Day 11-17:** 200 ml/1000 Litres drinking water
- **Broilers and Breeders Day 18-35:** 150ml/1000 Litres drinking water
- **Laying Hens Weeks 16-60:** 125 ml/1000 Litres drinking water

**PACKAGING:**
- Water Soluble liquid: 100 ml, 1 Lt

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**IMMUCARE - NGP**

**PRESENTATION:** Premix

**DESCRIPTION:** IMMUCARE-NGP is a high performance feed additive to be used for immunity in poultry.

**INDICATIONS:**
- Natural product, no resistance, no side effects.
- Supports the immune system
- Enhances disease resistance
- Support of immune system leads to better energy utilisation.

**DOSAGE & DIRECTIONS FOR USE:**
- **Broilers:** 500 g/ton from day 14-28
- **Breeders:** 300 g/ton during risk periods
- **Layers-rearing:** 300 g/ton from week 0-21
- **Layers-production:** 300 g/ton during risk periods

**PACKAGING:**
- Premix: 200 g, 500 g, 1 kg, 5 kg, 25 kg, 30 kg
**ECOBIOL**  
Registration number: V24142

**PRESENTATION:** Water Soluble powder and Premix

**DESCRIPTION:** Ecobiol is a probiotic registered by the European Union as a zootechnical feed additive and gut stabiliser (4b1822) and is intended for use in poultry. It is compatible with the simultaneous use of most antibiotics and coccidiostats. It also has the added advantage of controlling and preventing the colonisation of Salmonella and other Gram negative pathogens in the intestines and caecum. It plays an important role in stabilising and regulating the intestinal micro flora. Ecobiol produces lactic acid and enzymes such as proteases and amylases to assist with the optimal utilisation of nutrients in the feed. Ecobiol will also assist in decreasing the pH of the faeces and reducing the risk of damaged or burned feet in poultry, which has serious welfare implications.

**INDICATIONS:**
- Salmonella control in poultry
- To improve feed conversion ratio and weight gain
- To reduce mortality in a flock
- To reduce the risk of burned feet (bumble foot) in poultry
- To improve quality of effluent water on poultry farms

**DOSAGE AND DIRECTIONS FOR USE:**

1. **Water soluble:**
   - **Broilers:** 25-50 g/1000 Lts of drinking water

2. **Premix:**
   - **Broilers:** 100 - 500 g/ton feed.
   - **Breeders:** 100-500 g/ton of feed.

**PACKAGING:**
- Water Soluble powder: 1 kg
- Premix: 25 kg

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**ROPADIAR PREMIX**  
Registration number: V24350

**PRESENTATION:** Premix

**DESCRIPTION:** Ropadiar is a unique blend of essential oils, 100% natural product with no withdrawal period. Ropadiar has antioxidant, anti-inflammatory and anti-toxigenic properties. Ropadiar provides extra protection during stressful periods, reduces incidence of diseases caused by bacteria, reduces mortality and improves growth ratios. Ropadiar can be used throughout the production cycle to improve production and livability. Ropadiar reduces antibiotic growth promoters (AGP) and Coccidiostat usage.

**INDICATIONS:**
- For use throughout the production cycle to improve production and livability,
- To provide extra protection during stressful periods,
- To reduce the incidence of diseases caused by bacteria, viruses and parasites,
- To reduce mortality and improvement of growth rate and FCR,
- To improve feed efficiency in rearing and in lay,
- To assist in problems associated with Necrotic Enteritis.

**DOSAGE AND DIRECTIONS FOR USE:**

- **Broilers Starter:** 300-500 g/ton of feed
- **Grower/Finisher:** 250-400 g/ton of feed
- **Laying Hens:** 150-300 g/ton of feed

**PACKAGING:**
- Premix: 5 kg, 30 kg
GUSTOR BP70
Registration Number: V23867

PRESENTATION: Premix

DESCRIPTION: Gustor is presented as a growth promoter that enhances improved growth performance, and feed efficiency. It promotes significant improvements in poultry health with regards to feed conversion, weight gain and lowered mortality. It also has the added advantage of controlling and preventing the colonisation of *Salmonella* and other Gram-negative pathogens in the intestines and caecum, but at the same time enhancing the growth of *Lactobacillus* spp. It plays an important role in stabilising and regulating the intestinal micro flora. The improved performance is due to increased enzyme activities of the pancreas and intestines.

INDICATIONS:
- Improvement of growth performance and feed efficiency,
- For improvement of feed conversion ratio, weight gain,
- Significant improvement in animal health by lowering mortality,
- Control and reduction of colonisation of *Salmonella* and other Gram-negative pathogens in the intestines and caecum.

DOSAGE AND DIRECTIONS FOR USE:
- Broilers: 500 to 700 g/ton of feed.
- Breeders: 300 to 500 g/ton of feed. 25 kg
- Layers: 300 to 500 g/ton of feed.
- Laying Hens: 150-300 g/ton of feed

PACKAGING:
- Premix: 25 kg

ROPAGUT-NE

PRESENTATION: Premix

DESCRIPTION: ROPAGUT-NE is a high performance feed additive used for the prevention of necrotic enteritis.

INDICATIONS:
- Natural product to aid in the control and elimination of NE
- Natural growth promoter
- Assistance with gut development leads to better feed utilisation

DOSAGE AND DIRECTIONS FOR USE:
- Breeders rearing: 300 g/ton from week 8-12
- Breeders production: 300 g/ton from week 18-40
- Broilers: 300 g/ton during risk period day 14-28
- Layers-rearing: 300 g/ton from week 8-12
- Layers-production: 300 g/ton from week 18-40

PACKAGING:
- Premix: 25 kg

SFZYME
Registration Number: V25595

PRESENTATION: Premix

DESCRIPTION: SFZYME is a multifeed enzyme for poultry having the following enzymes; xylanase, acid proteinase, α-amylase, β-mannanase and β-glucanase.

INDICATIONS:
- For use in poultry feeds to counteract the anti-nutritional effects of pentosans and β-glucans that make up the major part of non-starch polysaccharides (NSPs) in commonly used poultry feeds.

DOSAGE AND DIRECTIONS FOR USE:
- Broiler Chickens: 150-200 g/ton of feed
- Breeders/Layers: 150-180 g/ton of feed

PACKAGING:
- Premix: 25 kg
ZYMPEX 008
Registration Number: V20969

PRESENTATION: Premix

DESCRIPTION: ZympeX 008 is a multi-component enzyme (α-galactosidase, β-mannanase, pectinase, β-glucanase, xylanase, protease, amylase and cellulose) preparation for use in maize/soy diets and other diets rich in legumes.

INDICATIONS:
• For use in diets rich in legumes (>20%), such as soy, maize/corn to increase daily gain and improve feed conversion ratio,
• For use in diets rich in legumes (20%), such as soy, maize/corn to increase the energy and protein availability in the proximal intestine,
• For use to upgrade poor quality raw materials and poor growing conditions.

DOSAGE AND DIRECTIONS FOR USE:
- Standard dosage: 500 g/ton of feed
- Actual application rate: 250 – 750 g/MT of feed.

PACKAGING:
• Premix: 25 kg

PHOSMOR TT

PRESENTATION: Liquid and Premix

DESCRIPTION: This product is used as a poultry feed supplement to enhance the nutritive value of plant material by liberation of inorganic phosphate from phytic acid and, thereby, to reduce environmental phosphorus pollution.

INDICATIONS:
• For use as a poultry feed supplement to enhance the nutritive value of plant material by liberation of inorganic phosphate from phytic acid and, thereby, to reduce environmental phosphorus pollution.

DOSAGE AND DIRECTIONS FOR USE:
1. Liquid;
   - Broiler chickens: 50-100 ml/1000 Lts of water,
   - Laying Hens: 50-100 ml/1000 Lts of drinking water
2. Powder/Premix;
   - Broiler chickens: 50 – 100 g/ton of feed,
   - Laying Hens: 50 – 100 g/ton of feed

PACKAGING:
• Liquid: 1 Lt
• Premix: 25 kg

Nutritionals

BUPO BOOSTER LAYER PREMIX

PRESENTATION: Premix

DESCRIPTION: This is a layer premix specially formulated for farmers who aim to achieve the maximum possible number of Total Eggs per Hen Housed (TEHH) during the lay period.

INDICATIONS:
• Performance booster,
• For use during the laying period to achieve high and persistent production,
• Production slumps.

DOSAGE AND DIRECTIONS FOR USE:
- Layers feed: Add 1 Unit (2.5 kg) to one ton of final feed.

PACKAGING:
• Premix: 2,5 kg
**ELITOX**

Registration Number: V20970

**PRESENTATION:** Premix

**DESCRIPTION:** Elitox is a broad spectrum Mycotoxin eliminator and binder that contains:
1. Hydrated Sodium Calcium Aluminium Silicates (HSCAS) to bind polar mycotoxins;
2. A natural biopolymer with anti-bacterial, antifungal and mycotoxin binding properties;
3. Active enzymes to inactivate trichothecenes, ochratoxins and fumonisins; and
4. Vitamin C which is important under microbiological stress to assist with the regeneration of damaged tissues.

Mycotoxins affect animals as sole toxins or in synergy with each other. In poultry mycotoxin intoxication symptoms may range from general clinical signs such as inappetence, to localised lesions around oral cavities. This results in reduced feed intake, decreased growth, poor feed conversions and eventually in increased mortalities.

**INDICATIONS:**
- For Prevention and Treatment of mycotoxin intoxication that includes mycotoxins such as aflatoxin, trichothecenes (T2, DON, MAS, DAS), ochratoxin, zearalenone and fumonisin,

**DOSAGE AND DIRECTIONS FOR USE:**
Correct dosage should be mixed into feed homogenously.
- **Preventative:** 500 g/ton of feed.
- **Treatment:** 1-2 kg/ton of feed.
- The actual application rate differs between 0.5 - 2.5kg per ton of feed, depending on the level of contamination.
- Proper distribution is essential for the product’s efficiency. Application in a mixer is recommended.

**PACKAGING:**
- **Premix:** 25 kg

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**STRESS CARE L**

Registration Number: 25855

**PRESENTATION:** Water Soluble liquid

**DESCRIPTION:** Stress Care L is a unique liquid product made from natural plant extracts, prebiotics, enzymes, vitamins and organic acids for growth promotion, prevention of proliferation of harmful bacteria and improvement of the well being of the poultry during the full production cycle.

**INDICATIONS:**
- For immediate relief in Mycotoxicosis.
- To Support the treatment in heavy viral and bacterial disease,
- In Production Drops due to Nutritional and other stress.
- To recover the performance by correcting Liver, Kidney and visceral functions in emergency cases.
- To improve Immunity, which means tackling the immuno-suppression due to mycotoxins and also in convalescence stage
- To improve the growth and the weight gain and hence improving the feed conversion rate.

**DOSAGE AND DIRECTIONS FOR USE:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Treatment Period</th>
<th>Indication</th>
<th>Dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broilers</td>
<td>Day 1-5</td>
<td>As routine in chick placements from young parent flocks</td>
<td>0.5 ml/Litre drinking water</td>
</tr>
<tr>
<td></td>
<td>For 7 days</td>
<td>During and after periods of stress i.e. vaccination and heat-stress</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For 14 days</td>
<td>During and after disease recovery and mycotoxin challenge</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Last 14 days of life</td>
<td>To improve flock uniformity and growth</td>
<td></td>
</tr>
<tr>
<td>Layers</td>
<td>Week 18-52</td>
<td>Alleviate stress during peak production</td>
<td>0.5 ml/Litre drinking water</td>
</tr>
<tr>
<td></td>
<td>For 7 days</td>
<td>Pre- and Post- vaccination</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For 7 days</td>
<td>During disease recovery or if any drop in production is observed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For 7 days</td>
<td>Fatty liver syndrome</td>
<td></td>
</tr>
<tr>
<td>Breeders</td>
<td>For 7 days</td>
<td>During and after periods of stress i.e. vaccination and heat-stress</td>
<td>1 ml/Litre drinking water</td>
</tr>
<tr>
<td></td>
<td>For 14 days</td>
<td>During any stressful period or drop in production</td>
<td></td>
</tr>
</tbody>
</table>

**PACKAGING:**
- **Water Soluble liquid:** 1 Lt, 5 Lt, 25 Lt
MAGISTRAL PF
Registration Number: 140/854

PRESENTATION: Liquid

DESCRIPTION: Magistral is a powerful broad-spectrum fungicide fumigant (powder) used for the prevention and treatment of fungi contamination in empty hatcheries, incubators, breeding facilities, green houses, silos, store rooms, coolers, egg trays, egg trucks, etc. Magistral PF is a ready-to-use fungicide that generates smoke, putting in suspension thousands of fine particles of the active ingredient.

MAGISTRAL PF comes in the form of a smoke generator. Once ignited, thousands of fine particles of Thiabendazole (20%) are suspended in the smoke and are deposited on ceilings, walls, floors and other surfaces within a few hours. The Thiabendazole inhibits the growth of fungus and fungal spores present both in the atmosphere and on treated surfaces. The action method of MAGISTRAL PF™, as a smoke generator, reduces the cost of labour and the risk of human error with application.

INDICATIONS:
• For the prevention and treatment of fungi and fungal spores contamination of Aspergillus spp, Alternaria spp, Penicillium spp, Fusarium spp and many other fungal species in hatcheries, silos, poultry houses, refrigerated trucks, storage areas e.t.c.

DOSAGE AND DIRECTIONS FOR USE:
- Empty incubators and hatcheries: 0.3-1.0 g/m³
- Empty silos, forage and grain trucks: 0.3-3.5 g/m³
- 1 x 50 g candle/50 m³

PACKAGING:
• Candles: 50 g candles
• Powder: 1 kg

MAGISTRAL L
Registration Number: 140/757

PRESENTATION: Liquid

DESCRIPTION: Magistral L is a broad spectrum fungicidal for the prevention and treatment of fungi and fungal spore contamination in hatcheries, egg trucks, egg trays, chick trucks, storeroom coolers, green houses, silos, etc.

INDICATIONS:
• For the prevention and treatment of fungi and fungal spores contamination of Aspergillus spp, Alternaria spp, Penicillium spp, Fusarium spp and many other fungal species in hatcheries, silos, poultry houses, refrigerated trucks, storage areas e.t.c.
• Convenient for use on large surface area such as walls, floors and ceilings where wetting is acceptable.

DOSAGE AND DIRECTIONS FOR USE:
Sprayer: 1 litre diluted product per 75 m².

Shake well before use. Clean mixing and spraying equipment before use. Mix 200 ml Magistral L concentrate with 10 litres of clean water. The area to be treated should be clean, and, if fogged, closed from outside air currents. Magistral L is compatible with other commonly used disinfectants. The diluted mixture may be administered with a fogger or sprayer and applied until surface areas are wet. Wet surfaces may be very slippery until dry. Allow contact time of 30 minutes.

PACKAGING:
• Liquid: 100 ml, 200 ml, 1 Lt
PRESENTATION: Liquid

DESCRIPTION: Neopredisan is an effective, broad-spectrum disinfectant with chloro-m-cresol as the active ingredient. The disinfectant has no residual effect and is completely safe for all animals and has low toxicity. Neopredisan 135-1 is less toxic and more environmentally friendly by being fully biodegradable, and can be used in the presence of animals.

INDICATIONS:
- Safe disinfectant for all kinds of surfaces in the animal houses effective against viruses, bacteria (including Mycobacterium spp), fungi, endoparasite and ectoparasite eggs (worms, litter beetle, mites, etc), Coccidia oocysts and Cryptosporidia oocysts.

DOSAGE AND DIRECTIONS FOR USE:
- Use 0.4 litre/m² of diluted product.
- Pre-clean all surfaces and equipment in animal and poultry houses to be treated with a high pressure cleaner and allow surfaces to dry.
- Then apply Neopredisan 135-1 at low pressure to all house surfaces (floors and walls up to 1 metre height) and all equipment at the following dilutions:

<table>
<thead>
<tr>
<th>AGAINST</th>
<th>CONTACT TIME</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteria</td>
<td>30 minutes</td>
<td>2 %</td>
</tr>
<tr>
<td>Bacteria spores</td>
<td>30 minutes</td>
<td>4 %</td>
</tr>
<tr>
<td>Fungi</td>
<td>30 minutes</td>
<td>2 %</td>
</tr>
<tr>
<td>Coccidial oocysts</td>
<td>4 hours</td>
<td>5 %</td>
</tr>
<tr>
<td>Round and tape worm eggs</td>
<td>2 hours</td>
<td>2 %</td>
</tr>
</tbody>
</table>

APPLICATION:

WHY TO DISINFECT AGAINST ENDOPARASITES
The intestines that are infected by endoparasites, such as stomachworms, roundworms (Ascaris suum, Heterakis, etc.) and coccidia oocysts (Eimeria tenella, Isospora suis, Cryptosporidia, etc.) could cause serious commercial damage as it will reduce animal growth. Infected animals finally could die. Species that are infected will excrete endoparasites (e.g. worm eggs or coccidia oocysts) and healthy animals subsequently will become directly infected. The animals will benefit by medical treatment against roundworms or coccidia but it will kill the adult worms or inner forms only. That’s not good enough. The excreted persistent particles of the endoparasites could remain for a long time on the floors of animal houses and will continue to infect healthy animals. NEOPREDISAN 135-1 is highly effective against excreted endoparasites and its persistent particles and will reduce the massive risk of invasion and reinfection in the whole animal house area. Using NEOPREDISAN 135-1 increases the medical effect against roundworms or coccidia oocysts. To combine medical treatment and disinfection afterwards with NEOPREDISAN 135-1 will prevent animals to become reinfected.
**PRESENTATION:** Liquid

**DESCRIPTION:** balEnce is a host specific pathogen that kills flies and, in a more concentrated solution, flies larvae but is safe for humans, animals, beneficial insects and the environment. balEnce may be used as an adult biological, fly specific, pesticide for killing adult flies. In addition, balEnce may be used in a more concentrated solution as a fly specific larvacide that kills maggots.

balEnce™ is a solution of the spores (conidia) of Beauveria bassiana (Bb) — a naturally occurring, environmentally friendly fungus that is present in soils throughout the world. Beauveria bassiana occurs in numerous strains which target and are fatal to certain insects.

The spore is picked up by the target insect, reproduces inside it, and kills the insect.

Generally, and depending on the target insect and the ambient temperature, the Bb infected insect ceases reproduction and succumbs in three to five days.

The Beauveria bassiana spores present in the environment are only sufficient to infect and kill a very small percentage of its target insect. By adding balEnce™ to the environment where the target insect is an issue, one is increasing the amount of this natural insect predator to a level that is sufficient to control them.

**DOSAGE AND DIRECTIONS FOR USE:**

balEnce Liquid spray is sprayed throughout the house or barn where the Beauveria bassiana spore is picked up by the fly, grows and reproduces inside the fly and kills it.

**PACKAGING:**
- Liquid: 450 ml

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**balEnce Powder/Bait**

**PRESENTATION:** Pail/Bait

**DESCRIPTION:** balEnce bait may be used as an adult biological, fly specific, pesticide for killing adult flies. In addition, balEnce may be used in a more concentrated solution as a fly specific larvacide that kills maggots.

Long term integrated fly management will provide the best control at the least cost. This balEnce BioPesticide program uses all available options to reduce adult flies and, therefore, fly breeding, while promoting beneficial species. It requires that manure be managed all year and that the control program is functioning year round. Because flies do not develop a resistance to balEnce™, it may be used throughout the year to control fly populations. It begins with maintaining manure as dry as possible all year and utilization of balEnce BioPesticide that kills only flies and leaves the beneficial insects unharmed.

**DOSAGE AND DIRECTION FOR USE:**
- balEnce bait may be placed in the balEnce bait station or used as a “scatter bait.”
- Refill bait stations and/or scatter balEnce bait twice per week when flies are present in large numbers.
- Throw used bait onto the floor or manure pile as there may still be active material present to control flies.

**PACKAGING:**
- Pail/Bait: 5 kg pail
Our presence in Africa...