



**agrikima**  
Making Growth Happen

Organic Solutions for

# Large Animals



**Kilimo Asili, Matokeo  
Bora ya Kisasa**

Trusted Organic Veterinary  
solutions for:

**Lets Go  
Natural**

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HEALTHY ANIMALS, HEALTHY FARMS, HEALTHY FUTURE.

## ADVICE

# Natural Antiviral for Livestock

## WHAT IS ADVICE?

ADVICE is a natural antiviral and immune booster made from a powerful blend of herbal and plant-based extracts designed to protect livestock and poultry from viral infections and production losses.



## INGREDIENTS & THEIR BENEFITS

| Ingredient                      | Key Function  |
|---------------------------------|---|
| Cinnamon                        | Natural antioxidant, improves digestion & circulation |
| Garlic                          | Potent antiviral and antibacterial action             |
| Echinacea                       | Enhances natural immune response                      |
| Astragalus                      | Reduces stress and supports respiratory health        |
| Aloe Vera                       | Aids detoxification and healing                       |
| Citric Extracts                 | Balances gut pH and supports nutrient absorption      |
| Lectin                          | Strengthens cell defense and antiviral activity       |
| Amantadine (natural-safe level) | Enhances antiviral protection and recovery            |

## BENEFITS

- ➔ Strengthens immunity
- ➔ Reduces viral disease mortality
- ➔ Enhances recovery and productivity
- ➔ Improves digestion and absorption
- ➔ Safe for all ages and species
- ➔ No milk or meat withdrawal period

## DOSAGE & DIRECTIONS OF USE

### CATTLE

Common Cattle Viral Disease: Lumpy Skin Disease (L.S.D.), Foot and Mouth (F.M.D.) and Bovine Viral Diarrhea.

| Category | In Water     | Direct Drench | Duration |
|----------|--------------|---------------|----------|
| Calves   | 10-20 ml/day | 5 - 10 ml/day | 3-5 days |
| Heifers  | 20-40 ml/day | 10-20 ml/day  | 3-5 days |
| Cows     | 40-60 ml/day | 20-30 ml/day  | 3-7 days |
| Bulls    | 50-70 ml/day | 25-35 ml/day  | 3-7 days |

### SHEEP

| Category | In Water   | Direct Drench | Duration |
|----------|------------|---------------|----------|
| Lambs    | 1-2 ml/day | 0.5-1 ml/day  | 3-5 days |
| Growers  | 2-5 ml/day | 1-2 ml/day    | 3-5 days |
| Adults   | 5-7 ml/day | 2-3 ml/day    | 3-7 days |

### GOATS

Common Viral Diseases: Blue Tongue, PPR, Nairobi Sheep Disease, Sheep pox/Goat pox and F.M.D.

| Category | In Water   | Direct Drench | Duration |
|----------|------------|---------------|----------|
| Kids     | 1-2 ml/day | 1 ml/day      | 3-5 days |
| Growers  | 2-4 ml/day | 1-2 ml/day    | 3-5 days |
| Adults   | 4-6 ml/day | 2-3 ml/day    | 3-7 days |

### PIGS

Common Viral diseases: African Swine Fever, Foot and Mouth, and Classic swine fever

| Category | In Water    | Direct Drench | Duration |
|----------|-------------|---------------|----------|
| Piglets  | 1-2 ml/day  | 0.5-1 ml/day  | 3-5 days |
| Growers  | 3-6 ml/day  | 1.5-3 ml/day  | 3-5 days |
| Adults   | 8-15 ml/day | 4-7 ml/day    | 3-7 days |

**FOR VETERINARY USE ONLY! KEEP OUT OF REACH OF CHILDREN! STORE IN A COOL AND DRY PLACE!**



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**BIO-GAR**

# Natural Garlic Power for Healthy Livestock

## ABOUT BIO-GAR

BIO-GAR is a natural feed additive made from high-quality garlic powder rich in Allicin — a potent natural compound known for its strong antibacterial, antifungal, and antiviral properties. Allicin effectively inhibits harmful microorganisms such as *Aspergillus flavus*, *Aspergillus niger*, and *Aspergillus fumigatus*, helping prevent feed spoilage and extending shelf life.



### RECOMMENDED DOSAGE

FOR CALVES, LAMBS & KIDS

- Feed Additive: 100 g per 1 MT of feed
- Growth Promotion: 250 g per 1 MT of feed
- As Antibiotic Replacement: 500 g per 1 MT of feed
- In Drinking Water: 100 g per 1000 L of clean water

FOR PIGS

- Feed Additive: 100 g per 1 MT of feed
- Growth Promotion: 250–300 g per 1 MT of feed
- As Antibiotic Replacement: 500 g per 1 MT of feed
- In Drinking Water: 100 g per 1000 L of water

Always ensure thorough mixing in feed or water for even distribution and maximum effectiveness.

### WHY FARMERS TRUST BIO-GAR

- **Enhances Feed Intake:** Its strong garlic aroma stimulates appetite and improves feed palatability.
- **Boosts Growth & Feed Efficiency:** Increases gastric secretion and mobility, improving digestion and nutrient absorption.
- **Natural Disease Control:** Helps prevent diarrhea, pneumonia, bronchitis, skin infections, coccidiosis, and enteritis.
- **Natural Antibiotic Alternative:** Replaces conventional antibiotics safely and effectively.
- **Strong Antibacterial Action:** Kills *E. coli*, *Staphylococcus aureus*, *Shigella*, and *Pseudomonas aeruginosa*.
- **Improves Animal Health:** Enhances resistance against infections like red skin, blue ear disease, hemorrhage, and influenza.
- **Strong Antifungal Action:** Prevents Feed Molding: Keeps feed fresh by inhibiting aflatoxin formation and mildew.

### SUITABILITY

BIO-GAR is ideal for:

- Calves, Lambs & Kids: Especially effective during the early growth stages when their digestive system has only one functional stomach (before rumen development).
- Pigs: Perfect for both growers and finishers — supports appetite, faster growth, and improved gut health.

For fully developed ruminants (with four stomachs), BIO-GAR is less effective. It is best suited for young ruminants and non-ruminants.

### USAGE TIPS FOR FARMERS

Use continuously during periods of stress, weaning, or disease outbreaks.  
 Store in a cool, dry place to preserve Allicin potency.  
 Can be combined with vitamins or other non-antibiotic growth promoters.

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# AGRIVITAM

## Complete Multivitamin & Amino Acid Formula for Healthier Animals

### WHAT IS AGRIVITAM?

AGRIVITAM is a comprehensive multivitamin and amino acid supplement formulated to prevent and correct vitamin deficiencies (hypovitaminosis and avitaminosis), boost immunity, and improve growth, fertility, and general body performance in all livestock species. It combines essential vitamins, amino acids, and energy-supporting compounds to enhance animal health, productivity, and recovery during stress, disease, and vaccination.



### COMPOSITION (PER ML)

Vitamins: A, D<sub>3</sub>, E, K<sub>3</sub>, B<sub>1</sub>, B<sub>2</sub>, B<sub>6</sub>, B<sub>12</sub>, C, Biotin, Nicotinic Acid, Pantothenic Acid, Folic Acid  
 Amino Acids: DL-Methionine, L-Theonine, L-Lysine, L-Tryptophan  
 Base: Propylene Glycol (for stability and palatability)

### BENEFITS OF AGRIVITAM

#### General Benefits for All Livestock:

- ➔ Boosts growth and feed conversion efficiency
- ➔ Enhances immunity and resistance to diseases
- ➔ Improves fertility, milk yield, and productivity
- ➔ Aids recovery from illness, transport, or vaccination stress
- ➔ Supports liver function and metabolism
- ➔ Contains propylene glycol, essential amino acids, and both fat- and water-soluble vitamins — making it an excellent source of energy, growth, and vitality, while also helping chicks overcome stress during the early stages of development.
- ➔ Restores appetite and energy during convalescence

#### WHY CHOOSE AGRIVITAM?

- 100% natural and safe – no withdrawal for milk, meat, or eggs.
- Scientifically formulated for tropical farm conditions.
- Proven results in improved performance and animal vitality.

#### USAGE RECOMMENDATIONS

- Can be used with other AGRIKIMA products (like BIO-GAR, ADVICE or MIX 5) for improved results.
- Ideal during illness, antibiotic treatment, vaccination, breeding, and lactation.
- Shake well before use.
- Store in a cool, dry place away from direct sunlight.

#### SPECIFIC BENEFITS BY SPECIES

##### CATTLE

- Improves milk yield and butterfat quality
- Enhances fertility and conception rate
- Strengthens immunity and reduces stress during heat or transport
- Promotes faster recovery after calving and disease treatment

##### SHEEP

- Improves wool quality and growth rate
- Enhances resistance to internal parasites and diseases
- Boosts fertility and lamb survival rates

##### GOATS

- Stimulates milk production and kid growth
- Increases energy and appetite during kidding or stress periods
- Improves reproductive health and overall vigor

##### PIGS

- Enhances growth rate and feed efficiency
- Improves sow fertility and litter size
- Reduces stress during weaning and transport
- Promotes faster weight gain and lean muscle development

### DOSAGE & DIRECTIONS OF USE

| Animal Type            | Dosage                        | Method of use                            |
|------------------------|-------------------------------|--|
| Adult Cattle           | 2 ml per 80 kg body weight    | Direct drenching                         |
| Calves / Sheep / Goats | 1 ml per 50 kg body weight    | Direct drenching                         |
| Pigs                   | 1 ml per 40–50 kg body weight | Mix in drinking water or drench directly |

Duration: 3–5 consecutive days or as advised by a veterinarian.  
 Repeat: During stress, vaccination, transport, or poor growth phases.



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## MIX 5

# Natural Respiratory & Mycoplasma Control Formula

## WHAT IS MIX 5?

MIX 5 is a powerful natural respiratory and immune support formula designed to protect animals from bacterial, viral, fungal, and inflammatory conditions that attack the respiratory system. It works effectively in clearing mucus, soothing coughs, reducing throat and bronchial inflammation, and easing fever. MIX 5 provides fast relief from Mycoplasmosis, bronchitis, and post-vaccination respiratory reactions.



## INGREDIENTS & THEIR BENEFITS

| Ingredient              | Key Function   |
|-------------------------|--|
| <b>Eucalyptus Oil</b>   | Natural decongestant; opens airways, clears mucus, and fights respiratory pathogens. |
| <b>Menthol</b>          | Soothes throat irritation, cools the lungs, and relieves inflammation.               |
| <b>Cinnamon Extract</b> | Potent antibacterial, antiviral, and antifungal; enhances circulation and immunity.  |
| <b>Ginger Extract</b>   | Reduces inflammation, promotes mucus clearance, and supports lung recovery.          |
| <b>Yucca Extract</b>    | Decreases ammonia levels, supports respiratory health, and improves digestion.       |

### THERAPEUTIC PROPERTIES

- Antibacterial: Helps eliminate harmful respiratory bacteria including Mycoplasma and secondary infections such as Infectious Coryza, Fowl typhoid, C.C.P.P or C.B.P.P e.t.c
- Antiviral: Protects against viral respiratory challenges and boosts natural immunity.
- Antifungal: Reduces fungal growth in the airways and respiratory system.
- Anti-inflammatory: Calms inflamed airways, reduces coughing, and aids recovery from bronchitis and fever

### MAIN USES

- Prevention and treatment of Mycoplasmosis, bronchitis, pneumonia, and other respiratory infections.
- Relieves throat inflammation, nasal congestion, and persistent coughing.
- Reduces post-vaccination respiratory reactions and stress.
- Improves feed intake, breathing comfort, and overall vitality.
- Safe for all livestock species, with no withdrawal period.

### ADDITIONAL BENEFITS

- Improves air quality in animal houses by reducing ammonia.
- Stimulates appetite and digestion during sickness.
- Strengthens respiratory resistance in young and adult animals.
- Safe for all ages – no withdrawal for milk, eggs, or meat.
- Promotes faster recovery and growth performance.

### FARMER BENEFITS

- Noticeable improvement in breathing and appetite within 24-48 hours.
- Reduced mortality and treatment costs.
- Improved performance and productivity.
- 100% natural and environmentally friendly.

## DOSAGE & DIRECTIONS OF USE

### CATTLE (BOVINE)

#### Guideline Instruction

- Dose 100-200 ml per 10 litres of drinking water  
 Frequency 2-4 times daily for 3-5 days  
 Alternative Drench 50-100 ml twice daily during severe infections

### SHEEP

- Dose 100-200 ml per 10 litres of water  
 Frequency 2-3 times daily for 3-5 days  
 Alternative Direct drench 10-20 ml per animal once or twice daily

### GOATS

- Dose 100-200 ml per 10 litres of water  
 Frequency 2-3 times daily for 3-5 days  
 Alternative Direct drench 10-20 ml per animal once or twice daily

### PIGS

- Dose 50-100 ml per 10 litres of water  
 Frequency 2-3 times daily for 3-5 days  
 Alternative Drench 5-10 ml per pig once daily for 3-5 days

### USAGE TIPS

- Shake well before use. Use clean, cool, non-chlorinated water. Can be mixed with vitamins, probiotics, or herbal tonics. Store in a cool, dry place away from direct sunlight.



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# AGRI-TONIC

## Liquid Liver Tonic for Poultry and Livestock

### PRODUCT OVERVIEW

AGRI-TONIC is a balanced nutritional supplement designed to support and protect liver function across all livestock species — poultry, cattle, sheep, goats, and pigs. It enhances metabolism, supports detoxification, boosts appetite, and improves overall growth and performance.

Formulated with essential amino acids, vitamins, and organic acids, it effectively combats fatty liver syndrome, mycotoxin effects, and antibiotic stress — ensuring healthy and productive animals.



NATURAL  
100%  
ORGANIC

### DOSAGE & ADMINISTRATION

#### Cattle (Cows, Heifers, Calves, Bulls)

In Water: 5–10 mL per 10 litres of drinking water daily.  
Direct Drenching: 1 mL per 20 kg body weight once daily for 3–5 days.  
Functions: Improves appetite and digestion. Supports recovery after antibiotic or deworming treatments. Enhances milk yield and reduces liver-related metabolic stress (ketosis, fatty liver).

#### Sheep and Goats

In Water: 2–5 mL per 5 litres of drinking water.  
Direct Drenching: 1 mL per 25 kg body weight for 3–5 days.  
Functions: Supports liver detox and recovery from internal parasites or feed toxins. Improves rumen function and general health. Enhances fertility and body condition.

#### Pigs (Growers, Sows, Boars)

In Water: 5–10 mL per 10 litres of water.  
Direct Drenching: 1 mL per 20 kg body weight daily for 3–5 days.  
Functions: Improves liver metabolism and appetite after stress or medication. Supports growth and feed efficiency. Enhances recovery during respiratory or digestive challenges.

### GENERAL BENEFITS OF AGRI-TONIC

- ➔ Stimulates regeneration of liver (hepatic) cells and enhances liver function.
- ➔ Detoxifies the body and reduces the effects of antibiotics, mycotoxins, and chemical residues.
- ➔ Supports metabolism of fats, proteins, and carbohydrates for better feed utilization.
- ➔ Improves appetite, digestion, and overall productivity.
- ➔ Reduces stress during disease recovery, vaccination, transportation, and high production periods.
- ➔ Promotes healthy growth, reproduction, and milk or egg yield.

#### COMPOSITION (EACH 1 LITRE CONTAINS)

Vitamin E – 5,000 mg  
DL-Methionine – 10,000 mg  
L-Lysine – 10,000 mg  
L-Threonine – 10,000 mg  
Sorbitol – 30,000 mg  
Sodium Propionate – 20,000 mg  
Ammonium Propionate – 20,000 mg  
Calcium Propionate – 25,000 mg  
Potassium Chloride – 20,000 mg  
Ammonium Chloride – 5,000 mg

Packaging Available  
**100 ML,  
250 ML, AND  
500 ML  
BOTTLES.**

STORE IN A COOL, DRY PLACE AWAY FROM SUNLIGHT.  
SHAKE WELL BEFORE USE. CLOSE TIGHTLY AFTER OPENING.



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# TOXINIL

## Concentrated Acidifier & Gut Health Enhance

### PRODUCT DESCRIPTION

TOXINIL is a concentrated acidifying formulation containing a blend of the most beneficial organic acids. It helps maintain a healthy gut environment, improves digestion, and supports animal performance. TOXINIL also has a strong effect against molds, inhibits harmful bacteria growth, and controls pathogens such as E. coli, Salmonella, and Clostridium perfringens. Additionally, it promotes the absorption of mycotoxins, ensuring optimal feed quality and animal health.



### KEY BENEFITS

- Balances Gut Microflora: Optimizes pH for a healthy gut and better digestion.
- Enhances Digestion & Nutrient Absorption: Activates digestive enzymes for efficient feed utilization.
- Improves Mineral Uptake: Acidifies the gut to support better mineral absorption.
- Restores Gut Balance: Helps normalize digestion after antibiotics, chemotherapy, or stress.
- Boosts Productivity: Enhances overall animal growth and performance.
- Antimicrobial & Antifungal Action: Controls E. coli, Salmonella, Clostridium perfringens, and molds.
- Mycotoxin Protection: Promotes absorption of mycotoxins, improving feed safety and quality.

### COMPOSITION (PER 1 LITRE)

- Propionic Acid – 120 g
- Citric Acid – 80 g
- Butyric Acid – 20 g
- Formic Acid – 20 g
- Lactic Acid – 10 g
- Acetic Acid – 10 g
- Malic Acid – 4 g
- Solvents – up to 1 Litre

### DOSAGE & USAGE

- General Use: 500 ml per 1000 L of drinking water.
- Increased Need: Up to 1000 ml per 1000 L of drinking water.
- Water System Cleaning & Disinfection: 1000 ml per 200 L of water.

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## PRODUCT OVERVIEW

L-Threonine is a vital essential amino acid required in the diet of poultry, pigs, ruminants, and other livestock for optimal growth and productivity. It plays a critical role in protein synthesis, muscle development, and the maintenance of body tissues. As animals cannot synthesize Threonine on their own, supplementation is essential to meet their metabolic and growth requirements—especially in intensive production systems.

# L-THREONINE

## 75%

For Optimal Growth, Feed Efficiency & Performance in All Animals

### DOSAGE & ADMINISTRATION

| Species       | Recommended dosage in Drinking Water |
|---------------|--------------------------------------|
| Sheep & Goats | 1 ml per 2 L of Water                |
| Pigs          | 1 ml per 1 L of Water                |
| Cattle        | 2 ml per 1 L of Water                |
| Camels        | 2 ml per 1 L of Water                |

Pelleting: In Feed: 4–8 Litres per ton of feed. Or as directed by a qualified veterinarian or animal nutritionist.

#### METHOD OF USE:

- Mix thoroughly for uniform distribution.
- Use consistently for best results during growth and production phases.

#### INDICATIONS

Use L-Threonine Amino Acid to:

- Boost animal growth and performance.
- Improve feed efficiency and reduce feed costs.
- Strengthen immunity and disease resistance.
- Optimize protein synthesis and nutrient utilization.

#### Applicable Species:

- Poultry (broilers, layers, breeders)
- Swine (growers, finishers, sows)
- Cattle, goats, sheep
- Camel and other livestock

### NUTRITION FACTS – COMPOSITION

Each 1 Litre contains: - L-Threonine: 75%

#### KEY BENEFITS

- Supports Muscle and Tissue Development: Promotes healthy growth of skeletal muscles and aids in the repair and maintenance of body tissues and organs.
- Maintains Amino Acid Balance: Balances the amino acid profile in animal diets, ensuring efficient protein utilization and preventing amino acid wastage.
- Enhances Feed Efficiency: Improves digestion and absorption of nutrients, reducing feed conversion ratio (FCR) and saving on feed costs.
- Promotes Faster Growth Rates: Boosts growth performance in poultry, pigs, and livestock, helping animals reach market weight faster, thus, saving production costs.
- Strengthens the Immune System: Supports immune protein production, helping animals resist diseases and reducing antibiotic dependence.
- Improves Gut Health and Digestion: Enhances digestive enzyme production and promotes balanced gut microflora for better nutrient absorption and thus more and quality production by animals.

#### STORAGE & PRECAUTIONS

- Store in a cool, dry place away from direct sunlight.
- Keep tightly closed after use.
- Keep out of reach of children and unauthorized personnel.
- Use before the expiry date.

HEALTHY ANIMALS. BETTER PRODUCTIVITY. HIGHER PROFITS

# BIOGARD99

Premium Herbal Formula for Immune Support & Disease Protection

## PRODUCT OVERVIEW

Biogard Antiviral is a natural herbal supplement formulated to protect animals from infectious viral and bacterial diseases while boosting their overall health and productivity. It combines a unique blend of traditional medicinal herbs — Isatis, Scutellaria, Forsythia, and Dyers Woad Leaf — known for their antiviral, anti-inflammatory, and immune-enhancing properties.

This natural formulation strengthens the immune system, improves resistance to common livestock diseases, and supports faster recovery, ensuring animals stay healthy, active, and productive.

### NUTRITION FACTS – COMPOSITION

BIOGUARD99 consists of carefully selected medicinal herbs:

- Isatis Tinctoria – Fights viral infections and clears internal heat.
- Scutellaria Baicalensis – Acts as an anti-inflammatory and antioxidant agent.
- Forsythia Suspensa – Strengthens immunity and combats bacterial pathogens.
- Dyers Woad Leaf – Promotes detoxification and supports respiratory health.

Each natural herb works synergistically to control infection, reduce inflammation, and enhance disease resistance in animals, hence no need of withdrawal

#### KEY BENEFITS

- Antiviral and Antibacterial Protection: Provides protection against a wide range of infectious agents and viruses, helping control outbreaks of respiratory and enteric diseases.
- Enhanced Immunity: Stimulates the body's natural defense system and reduces the frequency and severity of infections.
- Anti-inflammatory and Detoxifying Effects: Clears toxins from the body, reduces internal inflammation, and promotes faster recovery during and after disease episodes.
- Improved Growth and Performance: Enhances nutrient absorption, feed efficiency, and promotes better growth rates for higher productivity.
- Safe, Natural, and Non-Toxic: 100% herbal formulation with no harmful residues, safe for long-term use, and compatible with vaccination programs.

#### INDICATIONS

BIOGUARD99 ANTIVIRAL is

- recommended for:
- Prevention and control of viral and bacterial infections.
  - Boosting immunity during stress or disease outbreaks.
  - Supporting recovery after antibiotic or vaccine use.

#### Diseases Treatable / Preventable:

- Common Cold; Caprine and Bovine Pleuro-Pneumonia
- Bovine Respiratory Disease
- Bovine Viral Diarrhea
- African swine fever and Influenza
- Foot and Mouth Disease (FMD)
- Lumpy skin Disease (L.S.D), Sheep and Goat Pox.

#### STORAGE CONDITIONS

- Store in its original packaging in a cool, dry place.
- Keep away from direct sunlight and excessive heat.
- Shake well before use.
- For veterinary use only.
- Keep out of reach of children

#### DIRECTIONS OF USE

Dosage: 1ml / 2Litres of Water for pigs, sheep and goat, 2ml / 1Litre of water for Cattle and Horses or as advised by a qualified veterinarian or animal health expert.

#### ADMINISTRATION TIPS:

1. Mix thoroughly into clean drinking water.
2. Administer continuously for 5-7 days during outbreaks or stress periods.
3. For preventive use, administer 2–3 days per week.



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**Lets Go  
Natural**

# GONAT

Boost & Improve Animal Immunity  
Against Diseases

## PRODUCT OVERVIEW

Gonat Supplement is a natural herbal immune booster formulated with garlic and onion extracts, known for their powerful antibacterial, antiviral, and antioxidant properties. This supplement strengthens the immune system, supports faster recovery, and improves overall animal performance naturally. It is suitable for poultry, pigs, cattle, goats, sheep, and other livestock.

### COMPOSITION

Each 1 mL contains:

- Garlic Extract
- Onion Extract

### KEY BENEFITS

- **Strengthens the Immune System:** Significantly boosts disease resistance and reduces infection severity from diseases such as Coccidiosis, Mastitis, Pneumonia, Influenza and Diarrhea/CalF scours.
- **Natural Restorative and Performance Enhancer:** Acts as a restorative tonic to improve growth rates and overall performance.
- **Protects Vital Organs:** Enhances liver function and supports prostate health, maintaining internal organ balance.
- **Enhances Vitality and Strength to Boost Production:** Reduces fatigue, combats constipation, and improves energy levels and feed utilization thus resulting in higher milk yield, boosts production and improve milk and meat quality.
- **Improves Blood Circulation:** Lowers blood pressure and enhances circulation and oxygen flow throughout the body.
- **Improves Gut health:** It helps reduce the risk of coccidiosis, calf scours, diarrhea, enteritis and helps in their treatment. Also helps in reducing ammonia by pigs and poultry, by preventing wet litter.
- **Prevents Mastitis and Infections:** Strong natural antibacterial and antifungal action helps reduce mastitis, high somatic cell counts, and udder inflammation.

### INDICATIONS

Recommended for use in:

- Boosting immunity in poultry, pigs, and livestock.
- Supporting recovery from bacterial or viral infections.
- Enhancing growth performance and feed efficiency.
- Reducing stress during vaccination, transportation, or environmental changes.

### Applicable Species:

- Swine
- Cattle, goats, and sheep
- Rabbits and other livestock

### DESCRIPTION

Garlic and onions are among nature's most potent medicinal plants. Their bioactive compounds—such as allicin and quercetin—provide broad-spectrum antibacterial, antifungal, and antiviral effects. Garlic extract acts as a natural antibiotic, enhancing disease resistance while promoting gut health and digestion.

Onion extract functions as a powerful antioxidant that protects body cells and blood vessels from damage caused by toxins and free radicals. It also supports healthy blood circulation and improves vascular strength. Together, these natural ingredients help animals remain healthy, active, and productive even under stressful or disease-prone conditions.

### DOSAGE & ADMINISTRATION

| Species         | Dilution in Water         |
|-----------------|---------------------------|
| Cattle / Camels | 2 ml per - 1 L of Water   |
| Sheep / Goats   | 1 ml per - 2 L of Water   |
| Pigs            | 1.5 ml per - 2 L of Water |

Use continuously during stress periods, after vaccination, or during disease outbreaks.

### METHOD OF USE:

1. Mix thoroughly into clean drinking water.
2. Ensure continuous access to treated water during the dosing period.
3. For best results, use regularly or as advised by a veterinarian.

### STORAGE & PRECAUTIONS

- Store in a cool, dry place away from direct sunlight.
- Shake well before use.
- Keep tightly closed after opening.
- Keep out of reach of children and unauthorized personnel.
- Use only as directed by a veterinarian or animal health expert.

### PRODUCT DETAILS

Form: Liquid Herbal Solution  
Net Content: Available in 100 mL, 250 mL, 500 mL, and 1 Litre bottles  
Administration: Oral (via drinking water)

HEALTHIER ANIMALS. BETTER GROWTH. GREATER PROFITS

## PRODUCT OVERVIEW

DL- Methionine 88 is an essential amino acid supplement formulated to support the growth, reproduction, and metabolic functions of poultry and livestock.

Methionine is vital for protein synthesis, enzyme function, and the development of strong bones and tissues. As one of the most critical amino acids in animal nutrition, it enhances feed utilization, promotes faster growth rates, and boosts production performance — resulting in healthier, stronger, and more productive animals.

## DL-METHIONINE 88%

(Liquid Solution)

For Proper Growth, Reproduction,  
Performance & Bone Strength

### KEY BENEFITS

- **Promotes Proper Growth and Development**  
Ensures adequate protein synthesis for muscle and tissue formation. Supports healthy skeletal and organ development in growing animals.
- **Supports Metabolism and Energy Utilization**  
Enhances fat, carbohydrates, and nitrogen metabolism. Promotes efficient nutrient absorption and conversion to energy.
- **Improves Reproductive Performance**  
Aids in hormone and enzyme synthesis necessary for fertility and reproduction. Supports hatchability and egg quality in poultry.
- **Strengthens Bones and Structural Tissues**  
Provides essential sulfur for the formation of strong bones, tendons, and connective tissues.
- **Boosts Feed Efficiency and Overall Performance**  
Maximizes feed utilization for faster growth and better weight gain. Contributes to improved production yields and profitability.

### DOSAGE & ADMINISTRATION

| Animal        | Recommended Dosage                 | Notes  |
|---------------|------------------------------------|--|
| Sheep / Goats | 1 ml per 1 L of drinking water     | Standard maintenance level                             |
| Cattle        | 2 ml per 1 L of drinking water     | Higher requirement due to body weight and feed volume  |
| Pigs          | 1.5-2 ml per 1 L of drinking water | Adjust within range depending on age and growth stage  |
| Camels        | 2 ml per 1 L of drinking water     | Similar amino acid requirement and body mass to cattle |

### NUTRITION FACTS – COMPOSITION

Each 1 Litre contains: DL-Methionine: 88.0%

### DESCRIPTION

- DL-Methionine plays multiple vital roles in animal health and nutrition:
  - It supports the synthesis of proteins, vitamins, enzymes, and hormones, which are essential for proper body function and growth.
  - It contributes to the metabolism of nitrogen, carbohydrates, and fats, ensuring efficient energy use and nutrient conversion.
  - Methionine is a major source of methyl groups needed for the synthesis of nucleic acids and a sulfur source for sulfonic compounds that strengthen tissues and bones.
  - Supplementing DL-Methionine ensures optimal growth rate, feed efficiency, and economic return in both poultry and livestock production.

### Usage Tips:

- Mix thoroughly for even distribution.
- Use consistently for best growth and performance results or as advised by your veterinary doctor.

### STORAGE CONDITIONS

Store in original packaging in a cool, dry place. Keep away from direct sunlight and excessive heat.

For veterinary use only. Keep out of reach of children.

### Applicable Species:

Poultry (broilers, layers, kienyeji and kienyeji improved), Swine Cattle, goats, and sheep, Camel and other livestock



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Lets Go  
Natural



# Large Animals

# FARMING GUIDE

By Agrikima Academy

## Management 101 for All Large Animals

| MANAGEMENT AREA  | KEY POINTS  |
|--|---|
| <b>Housing; (All structures must be functioning according to their key purpose.)</b> | <ul style="list-style-type: none"> <li>• Ensure Clean, dry, well-ventilated pens.</li> <li>• Protect from wind, rain, cold, direct sun.</li> <li>• Functional structures with good drainage.</li> </ul>   |
| <b>Essential Housing Structures</b>  | <ul style="list-style-type: none"> <li>• Main House, Calf/Kid Pen, Maternity Pen, Sick/Isolation Pen, Crush, Feeding &amp; Watering Area, Milking Area (Dairy Only), Grazing Area and Breeding Pen (Male Cattle)</li> </ul>   |
| <b>Feeding &amp; Nutrition: (Feed to meet animal requirements)</b>                   | <ul style="list-style-type: none"> <li>• Feed according to age, weight, production stage.</li> <li>• Provide energy, protein, minerals, vitamins, fiber.</li> </ul>   |
| <b>Water</b>   | <ul style="list-style-type: none"> <li>• Clean, fresh water always available (adlib).</li> <li>• Dairy cows: 80–150L/day.</li> <li>• Sheep/Goats: 10–20L/day.</li> <li>• Pigs: 10–20L/day.</li> </ul>   |
| <b>Biosecurity: (First Line of Defense Against Diseases)</b>                         | <ul style="list-style-type: none"> <li>• Use footbaths.</li> <li>• Limit visitors.</li> <li>• Quarantine new animals 2–3 weeks.</li> <li>• Control rodents &amp; ecto – parasites(tick/mites).</li> </ul>   |
| <b>Hygiene &amp; Waste Management; Outside the Farm Income</b>                       | <ul style="list-style-type: none"> <li>• Clean troughs/cubicles daily.</li> <li>• Remove manure regularly – acts as a source of income</li> <li>• Keep barns dry.</li> </ul>  |
| <b>Disease Management and Prevention.</b>  | <ul style="list-style-type: none"> <li>• Preventive approach.</li> <li>• Vaccinate as scheduled.</li> <li>• Control parasites: Deworm every 3-5 months for adult animals and 1-3months for young animals to prevent endo-parasites(tapeworm).</li> <li>• Daily health observation.</li> </ul> |
| <b>Record Keeping; Used for Decision Making.</b>                                     | <ul style="list-style-type: none"> <li>• Track births, mating, calving, yield, treatments, sales.to prevent endo-parasites(tapeworm).</li> <li>• Daily health observation.</li> </ul>   |
| <b>Reproduction (General): Focus on Adaptability and Genetic Potential.</b>          | <ul style="list-style-type: none"> <li>• Mate only healthy animals.</li> <li>• Observe heat signs accordingly.</li> <li>• Record mating dates to ensure proper servicing of the animal.</li> <li>• Prepare clean maternity pens.</li> </ul>   |

## Species-specific management

| ANIMAL                   | SPECIAL MANAGEMENT  |
|--------------------------|---|
| <b>Calves</b>            | <ol style="list-style-type: none"> <li><b>1.Calf Stage</b> <ul style="list-style-type: none"> <li>• Ensure colostrum within 1–6 hours after birth.</li> <li>• Provide milk(10% of birth weight per day) + fresh water.</li> <li>• Introduce calf starter feed + minerals from 1 - 2 weeks.</li> <li>• Deworm as per schedule.</li> </ul> </li> <li><b>2. Weaning Stage</b> <ul style="list-style-type: none"> <li>• Target to wean between 2 -3 months.</li> <li>• Gradually reduce milk and increase high-quality forage + concentrates.</li> <li>• Move calves to a group pen with good space. (not more than 10 heifers per group)</li> </ul> </li> <li><b>3. Growing Stage/Yearling Stage (6–12 months)</b> <ul style="list-style-type: none"> <li>• Focus on good pasture + high-quality fodder.</li> <li>• Provide minerals and clean water daily.</li> <li>• Deworm as scheduled.</li> </ul> </li> <li><b>4. Finishing/Fattening Stage; Beef Cattle (Last 90–120 days)</b> <ul style="list-style-type: none"> <li>• Shift to a high-energy ration (forage + concentrates).</li> <li>• Ensure constant clean water supply and low-stress handling.</li> <li>• Monitor weight gains weekly.</li> </ul> </li> </ol> |
| <b>Dairy Cattle</b>      | <ul style="list-style-type: none"> <li>• Feed quality fodder (60–80%) + concentrates (20–40%).</li> <li>• Use lactating cow minerals.</li> <li>• Maintain udder hygiene.</li> </ul> <p><b>Reproduction — Drying Off &amp; Pregnancy:</b></p> <ul style="list-style-type: none"> <li>• Start drying 45–75 days (ideal 60 days) pre-calving.</li> <li>• Reduce then stop milking.</li> <li>• Provide dry cow minerals.</li> <li>• Move to dry-cow pen.</li> <li>• Increase energy/protein last 2–3 weeks.</li> <li>• Move to maternity pen.</li> <li>• Ensure calf receives colostrum within 1–6 hrs.</li> </ul>  |
| <b>Goats &amp; Sheep</b> | <ul style="list-style-type: none"> <li>• Functional housing (raised if possible).</li> <li>• Deworm monthly.</li> <li>• Prevent pneumonia &amp; foot rot.</li> <li>• Trim hooves regularly.</li> </ul>  |
| <b>Pigs</b>              | <ul style="list-style-type: none"> <li>• Clean, dry, cool pens.</li> <li>• Provide plenty of water.</li> <li>• Feed energy-rich rations.</li> <li>• Ensure iron injections at 3-5 days old to prevent anemia deficiency and boosts growth</li> <li>• Strict hygiene to prevent African Swine Fever.</li> </ul>  |