



نیوٹریکیلیکس میں بے کچھ خاص



Office:

2nd Floor, Al-Fateh Business Center,
Main Boulevard Gulberg III, Lahore.

Research & Development Center

BioVet Research Institute, Berliner
Straße 128, 10117 Berlin, Germany.

NUTRIKALIXTM
PRIVATE LIMITED



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NUTRIKALIXTM
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Nutrikalix Services for Dairy Entrepreneur

1



Dairy Business Advisory

Expert support in setting up and managing profitable dairy enterprises.

2



Business Consultancy

Tailored solutions to improve efficiency and growth of dairy businesses.

3



Animal Selection

Professional guidance in choosing the best animals for productive dairy enterprises.

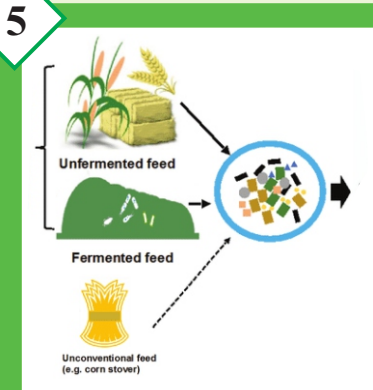
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Animal Sale & Purchase

Reliable assistance in buying and selling quality animals for dairy business needs.

5



Feed Balancing & Nutrition Planning

Optimized rations for healthier herds and higher dairy business returns.

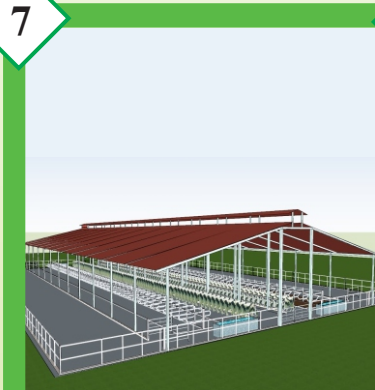
6



Breeding Expertise

Support in genetics, fertility and herd improvement for sustainable dairy enterprises.

7



Dairy Shed Designing

Smart designs that enhance comfort, ventilation, and efficiency in dairy businesses.

8



Dairy Shed Construction

Durable and modern construction services tailored for dairy enterprises.



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Nutrikalix Services for Dairy Entrepreneur



9

Milking Parlor Construction

Efficient and hygienic milking systems designed for professional dairy businesses.



10

Dairy Machinery Supply

Reliable equipment to support smooth operations in dairy enterprises.



11

Feed Mixing Solutions

High-quality feed mixtures to boost animal performance and dairy business productivity.



12

Fodder Planning & Cultivation

Seasonal strategies to ensure consistent fodder supply for dairy enterprises.



13

Silage Making Services

Professional silage preparation to enhance nutrition in dairy businesses.



14

Silage Sales

Supplying premium-quality silage to meet the needs of progressive dairy enterprises.



15

Provision of Feed Ingredients

Supplying top-quality feed ingredients to achieve extraordinary animal performance and dairy business results.



16

Comprehensive Dairy Business Solution

A one-Stop Comprehensive Solution Designed to meet every need of our Dairy Business from form to market



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PRODUCT INDEX

NUTRIKALIX Product

- 1. MIKRONMIX-HD Ultra** (High Producing Cows Premix)
- 2. MIKRONMIX-Plus** (Milking Cows Premix)
- 3. GROWIKMIX Plus** (Heifer-Premix)
- 4. CALVIKMIX Plus** (DCAD-Primix)
- 5. CALIKMIX** (DCP)
- 6. BUFIKALIX** (Rumen buffer)
- 7. TOXIKALIX** (Whole Range)
- 8. ALKIKALIN** (Whole Range)
- 9. ACIDIKALIN** (Whole Range)
- 10. PROTECTIK** (Whole Range)
- 11. GLYCIKAL** (Whole Range)
- 12. HOOFIKAL** (Whole Range)
- 13. FARMIKON** (Whole Range)
- 14. NutriKYeast**



Premix-Core Objectives

1. Enhance Reproductive Efficiency

Improve fertility, optimize estrous cycle regularity, and support higher conception rates.

2. Optimize Milk Production & Quality

Increase milk yield while improving fat, protein, and overall milk composition.

3. Promote Comprehensive Animal Health

Strengthen immunity, prevent metabolic and mineral deficiencies, and support longevity.

4. Maximize Productive Performance

Enhance growth, feed efficiency, and overall physiological performance of dairy animals.

5. Drive Dairy Business Profitability

Improve herd productivity and resource utilization to ensure higher economic returns.



Nutrikalix Premixes-Nutrient Profile & Benefits

Nutrient / Vitamin / Amino Acid

Function & Benefits

Calcium (Ca)

Builds strong bones, supports milk production, muscle contraction, and nerve transmission. Prevents milk fever and weak bones.

Phosphorus (P)

Key for energy metabolism (ATP), fertility, bone growth, and milk synthesis. Prevents low fertility and poor growth.

Magnesium (Mg)

Enhances calcium absorption, enzyme activity, prevents grass tetany and milk fever.

Sodium (Na)
Chloride (Cl)

Maintain fluid balance, electrolyte stability, and rumen health. Stimulate appetite and prevent soil licking.

Potassium (K)

Supports sodium transport, water retention, rumen health, and reduces heat stress.

Zinc (Zn)

Improves skin, immunity, reproduction, hoof strength and sperm quality. Prevents foot rot.

Copper (Cu)

Essential for hemoglobin, connective tissue, liver function, and fertility. Prevents anemia, lameness and poor coat.



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Nutrikalix Premixes-Nutrient Profile & Benefits

Nutrient / Vitamin / Amino Acid

Function & Benefits

Manganese (Mn)

Supports growth, reproduction, skeletal and CNS health. Prevents silent heats and weak calves.

Iron (Fe)

Required for red blood cell formation and oxygen transport. Prevents anemia and weakness.

Selenium (Se)

Works with Vitamin E as antioxidant. Boosts fertility, prevents retained placenta, white muscle disease and improves calf vitality.

Iodine (I)

Supports thyroid hormone, metabolism reproduction, and calf health.

Cobalt (Co)

Enables rumen microbes to synthesize Vitamin B12 essential for energy, appetite and fertility.

Vitamin A (Retinol)

Maintains vision, fertility, immunity, and mucous membranes. Prevents infections and eye disorders.

Vitamin D3

Regulates calcium-phosphorus balance, bone health fertility, and milk production. Prevents rickets and milk fever.



NUTRIKALIXTM
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Nutrikalix Premixes-Nutrient Profile & Benefits

Nutrient / Vitamin / Amino Acid

Function & Benefits

Vitamin E
(Tocopherol)

Strong antioxidant; improves fertility, immunity, and milk quality. Works with selenium to prevent mastitis.

Vitamin K
(Phylloquinone / Phytonadione)

Supports blood clotting, bone mineralization, and calcium utilization. Prevents hemorrhages and weak bones.

Vitamin B1
(Thiamine mononitrate)

Essential for carbohydrate metabolism, nerve function, and appetite. Prevents PEM and nervous disorders.

Vitamin B2
(Riboflavin)

Involved in energy metabolism, growth, and reproduction. Prevents poor growth, eye problems and skin disorders.

Niacin (Vitamin B3)

Boosts energy metabolism, reduces ketosis and improves milk fat synthesis.

Vitamin B5
Calcium-D-Pantothenate

Component of coenzyme A; vital for fat, protein, and carbohydrate metabolism. Supports fertility, growth and energy utilization.

Vitamin B6
(Pyridoxine)

Supports amino acid metabolism, hemoglobin formation, and nervous system health. Prevents anemia and poor growth.



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Nutrikalix Premixes-Nutrient Profile & Benefits

Nutrient / Vitamin / Amino Acid

Function & Benefits

Biotin

(Vitamin H / Coenzyme R / B7)

Improves hoof health, heals sole ulcers, supports rumen microbes, and enhances milk yield.

Folic Acid (Vitamin B9)

Required for DNA synthesis, red blood cell formation and reproduction. Prevents anemia, weak calves and low fertility.

Vitamin B12

(Cobalamin & Cyanocobalamin)

Supports blood formation, energy metabolism and fertility (works with cobalt).

DL-Methionine

(Essential Amino Acid)

Improves milk protein synthesis, supports liver function, prevents fatty liver and ketosis. Essential for hoof and coat health.

L-Lysine Monohydrochloride

(Essential Amino Acid)

Key for growth, muscle development, and milk protein yield. Improves feed efficiency and fertility.

Live Yeast (S. cerevisiae)

Improves rumen fermentation, stabilizes pH increases feed utilization and boosts milk yield.

Antioxidants

Preserve feed quality, strengthen immunity and improve reproductive efficiency.



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MIKRONMIX-HD Ultra

High-Definition Micronutrient Premix for Elite Dairy Cows

Product Overview

High-potential and top-performing dairy cows require precision nutrition to sustain peak milk production, reproductive efficiency, and robust health. Ordinary supplements are not enough to meet the exceptional demands of elite dairy herds. MIKRONMIX-HD Ultra is a next-generation micronutrient premix, expertly formulated with highly bioavailable trace minerals, vitamins, and metabolic enhancers. It is specially designed for very high-producing cows to unlock their genetic potential, improve milk quality, and extend productive longevity.

COMPOSITION:

Nutrients	Unit	Per Kg
Vitamin A	IU	2000000
Vitamin D3	IU	800000
Vitamin E	mg	15000
Vitamin B2	mg	200
Niacin (B3)	mg	2500
Biotin (Vitamin H)	mg	200
Vitamin B12	mcg	2000
Folic Acid (B9)	mg	900
DL-Methionine	mg	2000
L-Lysine	mg	2000
Choline chloride	mg	2000
Copper	mg	6000
Zinc (Chelated)	mg	9250
Manganese (Chelated)	mg	5600
Iodine (Chelated)	mg	360
Cobalt (Chelated)	mg	120
Selenium (Chelated)	mg	120
Selenium (Organic)	mg	40
Chloride	g	21
Sulfur	g	38
Magnesium	g	100
Calcium	g	290
Phosphorus	g	60
Toxin Binder	g	30
Live Yeast	3.5B CFU	
Antioxidant	Added	
Aroma	Added	

Premium Benefits

- **Maximum Milk Yield & Persistency**
 - (A) Unlocks genetic potential for record-breaking milk output.
 - (B) Supports better lactation persistency and higher lifetime yield.
- **Superior Milk Quality**
 - (A) Improves fat %, protein, and SNF, enhancing overall milk composition.
 - (B) Delivers healthier milk with better market value.
- **Optimal Reproductive Efficiency**
 - (A) Improves conception rates even under high production stress.
 - (B) Reduces silent heats, repeat breeding, and post-partum complications.
- **Stronger Immunity & Health**
 - (A) Builds powerful defense against mastitis, metritis, and metabolic stress.
 - (B) Reduces disease outbreaks, improving herd longevity.
- **Improved Hoof & Udder Health**
 - (A) Supports strong hoof integrity, reducing lameness in high-yielding cows.
 - (B) Strengthens udder tissue, lowering mastitis incidence.
- **Precision Nutrition for Elite Cows**
 - (A) Provides the right balance of advanced trace minerals, vitamins, and antioxidants.
 - (B) Ensures feed efficiency and better nutrient absorption at peak performance levels.

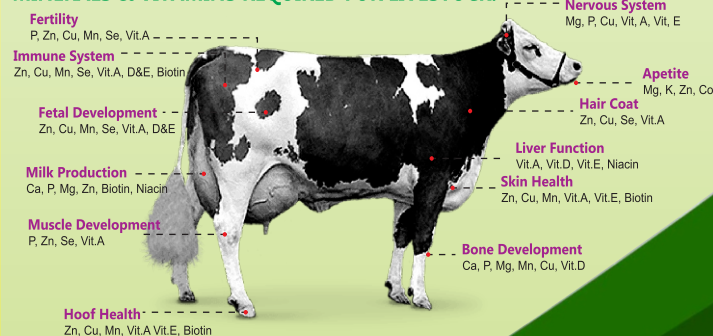
MIKRONMIX-HD Ultra Premix – The trusted choice for progressive farmers who aim for excellence in dairy performance.

DOSAGE

Cow & Buffalo: 100-125g/Head/Day

Sheep & Goat: 05-10g/Head/Day

MINERALS & VITAMINS REQUIRED FOR LIVESTOCK:



Marketed by:



NUTRIKALIXTM
PRIVATE LIMITED

MIKRONMIX-Plus

Premium Micronutrient Premix for High-Yielding Dairy Animals

Product Overview

MIKRONMIX-Plus is a scientifically formulated micronutrient premix designed specifically for milking animals. It ensures that dairy cows and buffaloes receive the optimal balance of trace minerals, vitamins, and bioavailable additives needed to sustain high milk yield, improve fertility, and maintain overall health.

Modern dairy animals are under constant pressure to produce more milk while maintaining fertility, health, and immunity. High-producing cows often face mineral and vitamin deficiencies, which can lead to reduced milk yield, poor reproductive performance, and increased disease risk.

COMPOSITION:

Nutrients	Unit	Per Kg
Vitamin A	IU	1200000
Vitamin D3	IU	500000
Vitamin E	mg	10000
Vitamin B2	mg	200
Niacin (B3)	mg	2000
Biotin (Vitamin H)	mg	100
Vitamin B12	mcg	2000
Folic Acid (B9)	mg	900
DL-Methionine	mg	1500
L-Lysine	mg	1500
Choline chloride	mg	1500
Copper	mg	4400
Zinc (Chelated)	mg	8250
Manganese (Chelated)	mg	4240
Iodine (Chelated)	mg	360
Cobalt (Chelated)	mg	120
Selenium (Chelated)	mg	80
Selenium (Organic)	mg	40
Chloride	g	21
Sulfur	g	38
Magnesium	g	60
Calcium	g	333
Phosphorus	g	54
Toxin Binder	g	30
Live Yeast	2.0 B CFU	
Antioxidant	Added	
Aroma	Added	

Premium Benefits

- **Enhanced Milk Production & Quality**
 - (A) Supports higher milk yield by meeting nutritional demands.
 - (B) Improves fat % and SNF, leading to better milk composition.
- **Improved Fertility & Reproductive Efficiency**
 - (A) Reduces silent heats, repeat breeding, and improves conception rates.
 - (B) Promotes healthy ovarian function and uterine recovery post-calving.
- **Stronger Immunity & Disease Resistance**
 - (A) Enhances immune response against mastitis, metritis and other common infections.
 - (B) Reduces veterinary costs and improves overall herd health.
- **Healthier Udder & Hooves**
 - (A) Maintains strong connective tissue, reducing mastitis cases.
 - (B) Supports hoof strength, lowering lameness risk in high-yielding cows.
- **Better Feed Utilization**
 - (A) Improves nutrient absorption and feed conversion efficiency.
 - (B) Maximizes return on investment from feed and forages.
- **Sustained Animal Performance**
 - (A) Reduces stress from high lactation demands.
 - (B) Ensures longer productive life of dairy animals.

MIKRONMIX-Plus Premix

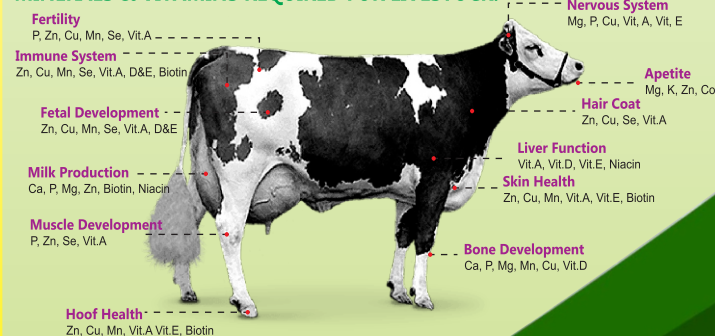
The trusted choice for progressive farmers who aim for excellence in dairy performance.

DOSAGE

Cow & Buffalo: 100-125g/Head/Day

Sheep & Goat: 05-10g/Head/Day

MINERALS & VITAMINS REQUIRED FOR LIVESTOCK:



Marketed by:



NUTRIKALIXTM
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GROWIKMIX

Specialized Micronutrient Premix for Growing Heifers

Product Overview

Heifers are the future of every dairy herd. The way they grow and develop during the early stages directly determines their fertility, calving age and lifetime milk production. Poor nutrition during growth can result in stunted animals, delayed puberty, weak skeletal strength, and reduced productivity.

GROWIKMIX is a balanced micronutrient premix formulated to support the optimal growth and development of dairy heifers. With a precise combination of trace minerals, vitamins, and essential nutrients, it ensures strong bone formation, healthy reproductive development and prepares heifers to become profitable, high-yielding dairy cows.

COMPOSITION:

Nutrients	Unit	Per Kg
Vitamin A	IU	500000
Vitamin D3	IU	300000
Vitamin E	mg	6000
Vitamin B2	mg	100
Niacin (B3)	mg	1000
Biotin (Vitamin H)	mg	50
Vitamin B12	mcg	1000
Folic Acid (B9)	mg	700
DL-Methionine	mg	1000
L-Lysine	mg	1000
Choline chloride	mg	1000
Copper	mg	2640
Zinc (Chelated)	mg	8250
Manganese (Chelated)	mg	3840
Iodine (Chelated)	mg	360
Cobalt (Chelated)	mg	120
Selenium (Chelated)	mg	67.5
Selenium (Organic)	mg	40
Chloride	g	21
Sulfur	g	38
Magnesium	g	48
Calcium	g	371
Phosphorus	g	42
Toxin Binder	g	30
Live Yeast	1B CFU	
Antioxidant	Added	
Aroma	Added	

Premium Benefits

- **Balanced Growth & Development**
 - (A) Promotes healthy weight gain and uniform body development.
 - (B) Ensures proper skeletal strength to support future lactation demands.
- **Early Puberty & Better Fertility**
 - (A) Supports reproductive organ development.
 - (B) Helps achieve timely puberty and reduces age at first calving.
- **Strong Immunity & Disease Resistance**
 - (A) Strengthens natural defense mechanisms, lowering mortality risk.
 - (B) Reduces disease outbreaks that affect growth and herd economics.
- **Optimal Skeletal & Muscle Development**
 - (A) Provides critical minerals like calcium, phosphorus, zinc, and copper.
 - (B) Ensures strong bones, hooves, and connective tissues.
- **Better Feed Efficiency**
 - (A) Enhances nutrient absorption and utilization.
 - (B) Maximizes return from available feed and forages.
- **Foundation for Future Milk Production**
 - (A) Prepares heifers for higher milk yield after calving.
 - (B) Builds the base for a long, productive lifetime in the herd.

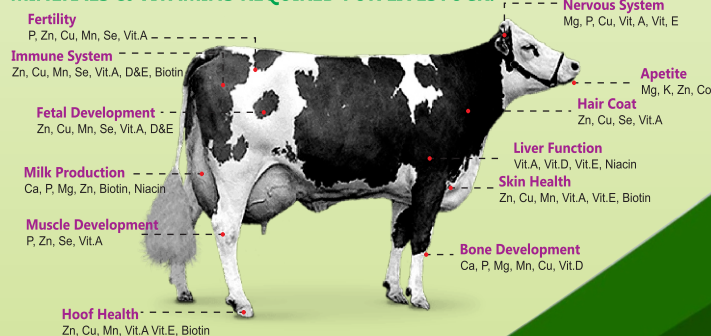
GROWIKMIX Premix

The trusted choice for progressive farmers who aim for excellence in dairy performance.

Usage & Dosage

Growing Heifers (6 months to 18 months): 50 – 100 g per animal per day.
Mix thoroughly with the daily feed ration.
For best results, use consistently throughout the heifer rearing period.

MINERALS & VITAMINS REQUIRED FOR LIVESTOCK:



Marketed by:



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CALVIKMIX-Plus

Advanced DCAD Premix for Transition Dairy Cattle

Product Overview

The transition period (3 weeks before and after calving) is the most critical phase in a dairy cow's life. During this stage, the cow faces high metabolic stress, hormonal changes, and a sudden increase in nutrient demand. Imbalances in calcium metabolism can lead to milk fever, retained placenta, metritis, ketosis displaced abomasum, and reduced milk production.

CALVIKMIX Plus is a specially designed DCAD (Dietary Cation-Anion Difference) premix containing anionic salts, trace minerals, and supporting nutrients to optimize calcium metabolism, improve transition health, and ensure smooth entry into lactation.

COMPOSITION:

Nutrients	Unit	Per Kg
Vitamin A	IU	110000
Vitamin D3	IU	500000
Vitamin E	mg	9000
Vitamin B2	mg	200
Niacin (B3)	mg	2000
Biotin (Vitamin H)	mg	100
Vitamin B12	mcg	2000
Folic Acid (B9)	mg	900
DL-Methionine	mg	1500
L-Lysine	mg	1500
Choline chloride	mg	1500
Copper	mg	4400
Zinc (Chelated)	mg	8250
Manganese (Chelated)	mg	4240
Iodine (Chelated)	mg	360
Cobalt (Chelated)	mg	120
Selenium (Chelated)	mg	80
Selenium (Organic)	mg	40
Chloride	g	190
Sulfur	g	38
Magnesium	g	60
Calcium	g	164
Phosphorus	g	54
Toxin Binder	g	30
Live Yeast	2.0 B CFU	
Antioxidant	Added	
Aroma	Added	

Premium Benefits

- **Prevention of Milk Fever**
 - (A) Reduces both clinical and subclinical hypocalcemia
 - (B) Minimizes economic losses due to downer cows, treatment costs, and reduced fertility.
- **Improved Calcium Mobilization**
 - (A) Activates the body's natural calcium release mechanisms.
 - (B) Ensures smooth calving and quick recovery after parturition.
- **Enhanced Reproductive Health**
 - (A) Reduces the incidence of retained placenta and metritis.
- **Lower Risk of Metabolic Disorders**
 - (A) Decreases chances of ketosis, displaced abomasum, fatty liver syndrome, and other transition-related diseases.
 - (B) Reduces veterinary interventions, saving time and money.
- **Better Dry Period Management**
 - (A) Builds and protects skeletal calcium reserves.
 - (B) Ensures cows enter lactation with stronger mineral balance and overall health.
- **Higher Productivity**
 - (A) Supports higher peak milk yield and better lactation persistency.
 - (B) Improves overall milk quality by reducing health-related production drops.
- **Strengthened Immunity & Animal Well-being**
 - (A) Boosts immune function, helping cows fight infections during the vulnerable transition period.
 - (B) Improves cow comfort, appetite, and overall well-being.

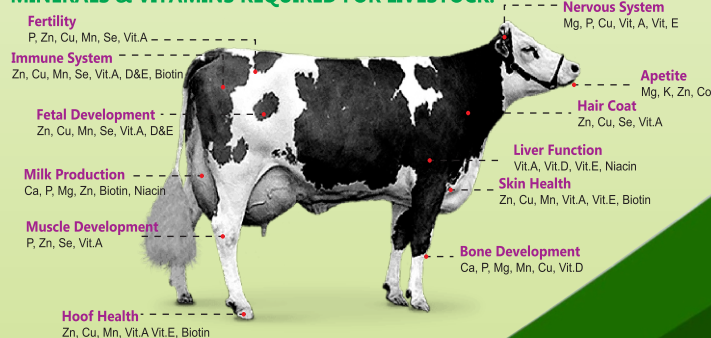
CALVIKMIX-Plus DCAD

The trusted choice for progressive farmers who aim for excellence in dairy performance.

Usage & Dosage

- Dairy cattle: 100–200 g per animal per day.
- Mix thoroughly into the daily feed ration during the last 21 days before calving.
- Always provide access to clean drinking water.
- Use under the guidance of a veterinarian or nutritionist for best results.

MINERALS & VITAMINS REQUIRED FOR LIVESTOCK:



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CALIKMIX

100% Organic Source of Di Calcium Phosphate (DCP)

Product Overview

Calcium and phosphorus are the most vital minerals in dairy and livestock nutrition. They play a central role in bone development, fertility, milk production, and overall animal health. Deficiency of these minerals often leads to weak bones, poor growth, infertility, low milk yield, and metabolic disorders .

CALIKMIX is a premium-grade Di Calcium Phosphate (DCP) derived from a 100% organic source, ensuring maximum bio availability and absorption. It is specially designed for dairy cows, buffaloes, goats, sheep and other livestock to provide the ideal balance of calcium and phosphorus for growth, reproduction, and production.

Premium Benefits

- **Strong Bones & Skeletal Development**
(A) Promotes healthy bone growth in young animals. (B) Prevents rickets, lameness, and weak skeletal structure.
- **Improved Fertility & Reproduction**
(A) Ensures proper reproductive organ function. (B) Reduces infertility, anestrus, and repeat breeding problems.
- **Higher Milk Production & Quality**
(A) Enhances milk yield by supporting calcium-phosphorus balance. (B) Improves fat %, protein, and overall milk composition.
- **Better Growth & Weight Gain**
(A) Accelerates muscle development in calves and growing animals. (B) Ensures uniform growth and higher productivity.
- **Stronger Immunity & Metabolic Health**
(A) Reduces metabolic disorders linked to mineral deficiency. (B) Boosts immunity, lowering disease risk.
- **100% Organic & Safe**
(A) Derived from a pure natural source. (B) Free from harmful impurities, ensuring safe long-term use.

COMPOSITION: Quantity (mg/kg)

Di-Calcium Phosphate (DCP)	800,000 mg
Calcium Carbonate (Limestone)	150,000 mg
Magnesium Oxide (MgO)	30,000 mg
Trace Mineral Blend (Zn, Cu, Mn, Fe, Se, I, Co - Chelated/available forms)	17,000 mg
Anticaking Agent	3,000 mg

Usage & Dosage

Dairy Cows & Buffaloes:
50 – 100 g per animal per day.

Calves, Goats & Sheep: 5 – 10 g
per animal per day.

Mix with feed for consistent results.

CALIKMIX– The trusted choice for progressive farmers who aim for excellence in dairy performance.



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BUFIKALIX

Natural Rumen Buffer Supplement for Dairy Animals

Product Overview

High-yielding dairy animals often consume high-grain, energy-rich diets to support maximum milk production. However, such diets can disturb the rumen environment, lowering pH and leading to sub-acute ruminal acidosis (SARA), reduced fiber digestion, loss of milk fat, and overall health problems.

BUFIKALIX is a 100% natural rumen buffer supplement specially formulated to stabilize rumen pH, support microbial activity, and enhance feed utilization. It helps cows maintain digestive balance, comfort, and higher milk performance even under intensive feeding conditions.

Premium Benefits

- **Maintains Rumen pH & Prevents Acidosis**
(A) Prevents sub-acute ruminal acidosis (SARA) in high-producing cows. (B) Ensures stable rumen environment for maximum microbial activity.
- **Improves Milk Yield & Fat %**
(A) Enhances fiber digestion → more volatile fatty acids → higher milk production. (B) Increases milk fat %, preventing milk fat depression.
- **Better Feed Efficiency**
(A) Maximizes nutrient absorption and feed utilization. (B) Reduces feed wastage and improves return on investment.
- **Supports Animal Comfort & Appetite**
(A) Prevents digestive upsets and discomfort caused by acidosis. (B) Promotes consistent feed intake, leading to steady performance.
- **Stronger Immunity & Metabolic Health**
(A) Reduces stress on liver and metabolic system. (B) Enhances resilience against transition-related disorders.
- **100% Natural & Safe**
(A) Free from chemicals and antibiotics. (B) Safe for long-term daily use in dairy rations.

COMPOSITION: Quantity (mg/kg)

Sodium Bicarbonate	500,000 mg
Carbonates	200,000 mg
Magnesium Oxide.....	300,000 mg

Usage & Dosage

Dairy Cows & Buffaloes:
100 – 200 g per animal per day.

Mix thoroughly with feed concentrate or TMR.
Recommended for high-yielding cows, especially in early to mid-lactation.

BUFIKALIX– The trusted choice for progressive farmers who aim for excellence in dairy performance.



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TOXIKALIX

Advanced Mycotoxin Binder & Gut Health Support

Product Overview

Mycotoxins are invisible but highly dangerous contaminants commonly found in feed ingredients. Even at low levels, they reduce feed intake, damage the liver, suppress immunity, lower milk production, and cause reproductive failures.

TOXIKALIX is a next-generation mycotoxin binder formulated with a unique combination of activated clays, yeast cell wall extracts, and natural detoxifying agents. It not only binds and neutralizes a broad spectrum of mycotoxins but also supports gut health, liver function, and immune defense — ensuring healthier and more productive animals.

Premium Benefits

- **Broad-Spectrum Mycotoxin Binding**
(A) Neutralizes aflatoxins, ochratoxins, fumonisins, zearalenone, T-2 toxin, DON, and others. (B) Ensures feed safety and protects animal performance.
 - **Protects Liver & Vital Organs**
(A) Prevents liver damage caused by toxin accumulation. (B) Improves detoxification capacity, ensuring smooth metabolism.
 - **Supports Gut Health & Digestion**
(A) Strengthens gut lining to prevent toxin absorption. (B) Promotes healthy microflora, improving digestion and feed efficiency.
 - **Enhances Milk Yield & Quality**
(A) Prevents milk yield losses linked to toxin challenges. (B) Reduces aflatoxin M1 transfer into milk, ensuring safe and high-quality output.
 - **Improves Fertility & Reproduction**
(A) Reduces negative impact of zearalenone and other reproductive toxins. (B) Supports healthier ovarian function and conception rates.
 - **Boosts Immunity & Resilience**
(A) Reduces disease outbreaks by improving natural defenses. (B) Ensures cows remain healthy even under toxin stress.
- Advanced, Safe & Reliable**
(A) Multi-component formula for maximum protection. (B) Safe for long-term use in all classes of livestock.

COMPOSITION: Quantity (mg/kg)

Sodium Bentonite (montmorillonite)	500,000 mg
Alumino-silicate (HSCAS / hydrated sodium calcium aluminosilicate)	300,000 mg
Zeolite (clinoptilolite)	85,000 mg
Kaolin (hydrated aluminium silicate)	50,000 mg
Activated Charcoal (powdered, food grade)	30,000 mg
Yeast Cell Wall (Mannan-oligosaccharides & β -glucans)	20,000 mg
Anticaking Agent (silica / magnesium stearate blend) ..	15,000 mg

Usage & Dosage

Dairy Cows & Buffaloes:
30 – 50 g per animal per day.

Calves, Goats & Sheep:
5 – 10 g per animal per day.

Mix thoroughly into daily ration or TMR.

TOXIKALIX– The trusted choice for progressive farmers who aim for excellence in dairy performance.

Marketed by:



NUTRIKALIXTM
PRIVATE LIMITED

ALKIKALIN

Blended Alkaline CIP Detergent for Dairy Equipment Hygiene

Product Overview

Clean-in-Place (CIP) hygiene is critical for maintaining milk quality, food safety, and dairy equipment life. Residues of milk, fat, and protein can quickly form stubborn deposits and promote bacterial growth if not removed effectively.

ALKIKALIN is a powerful alkaline detergent blend with caustic and chlorine components, specially formulated for dairy parlours, robotic milking systems, bulk tanks, and pipelines. It provides fast cleaning action, rapid scale removal, and effective disinfection while ensuring non-foaming performance ideal for automated CIP systems.

Premium Benefits

- ▶ **Rapid Scale & Residue Removal**
(A) Effectively eliminates milkstone, fat, and protein deposits. (B) Keeps tanks and pipelines spotless for maximum hygiene.
- ▶ **Non-Foaming & Easy to Use**
(A) Special non-foaming formulation ensures smooth circulation cleaning (CIP). (B) Perfect for robotic parlours, ABW systems, and automated cleaning cycles.
- ▶ **Superior Hygiene & Milk Quality**
(A) Maintains bacteria-free surfaces, reducing risk of contamination. (B) Ensures high-quality, safe milk production.
- ▶ **Protects Equipment & Extends Service Life**
(A) Prevents corrosion, buildup, and scaling. (B) Prolongs the life of bulk tanks, pipelines, and milking machines.
- ▶ **Consistent Performance in All Water Types**
(A) Formulated to work efficiently in both hard and soft water. (B) Provides uniform cleaning results under variable farm conditions.
- ▶ **Farmer & Operator Friendly**
(A) Simple dosage: 500 ml in 100 L hot water (70°C). (B) Easy to mix, rinse, and drain with no residue.

Usage Guidelines

- ▶ **In-Place Cleaning of Bulk Tanks**
 - 1-Rinse thoroughly with cold water after emptying.
 - 2-Prepare ALKIKALIN solution (0.5–1%) at 70°C.
 - 3-Circulate for 15–20 minutes, then drain.
 - 4-Rinse with fresh water and allow to dry.
- ▶ **In-Place Cleaning of Milking Machines**
 - 1-Rinse system with clean cold water.
 - 2-Draw in ALKIKALIN solution (0.5–1% at 70°C).
 - 3-Recirculate until discharge reaches 50°C, then continue for 10 minutes.
 - DDrain and rinse thoroughly with cold water.
- ▶ **Alternating Alkali–Acid Wash**
 - 1-Use ALKIKALIN in the hot alkali cycle (0.5–1% solution).
 - 4-Alternate with acid detergent as per schedule.

Note: Always rinse thoroughly with clean water after treatment to prevent chemical residues in milk.

PRODUCT INFORMATION

Appearance:
Pale yellow liquid
Odour: Chlorine
PH @ 200 ml/40
L: 11.5



ALKIKALIN– The trusted choice for progressive farmers who aim for excellence in dairy performance.



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ACIDIKALIN

Blended Acid CIP Detergent for Dairy Equipment Hygiene

Product Overview

Dairy hygiene requires more than just alkaline cleaning. Mineral deposits, milkstone, and inorganic scaling build up on pipelines, bulk tanks, coolers, and robotic milking equipment, which can reduce efficiency and compromise milk quality. ACIDIKALIN is a powerful acid-based CIP detergent, available in two specialized formulations:

- **Nitric Acid + Phosphoric Acid Blend**
- **Sulfuric Acid + Phosphoric Acid Blend**

Both formulations are designed to provide superior scale removal, reliable disinfection, and long-term protection of equipment when used in an alternating alkali-acid wash program.

Premium Benefits

- **Rapid Scale & Deposit Removal**
 - (1) Effectively dissolves milkstone, mineral salts, and hard water deposits.
 - (2) Restores cleanliness and equipment efficiency.
- **Non-Foaming Formula**
 - (1) Ensures smooth circulation cleaning without foam.
 - (2) Perfect for automated CIP systems.
- **Superior Milk Hygiene**
 - (1) Prevents bacterial growth, ensuring high-quality, premium-grade milk.
 - (2) Helps farmers secure better market prices.
- **Equipment Protection**
 - (1) Reduces corrosion and buildup.
 - (2) Extends the service life of pipelines, storage tanks, and robotic systems.
- **Versatile & Compatible**
 - (1) Safe for use in all types of milking machines and robotic parlours.
 - (2) Performs reliably in soft and medium-hard water conditions.
- **Efficient & Cost-Effective**
 - (1) Works at a low dosage (40 ml per 10 L water at 70°C or above).
 - (2) Provides an excellent price-to-performance ratio.
- **Complete CIP Solution**
 - (1) Designed to work alternately with alkaline detergents (e.g., ALKIKALIN) for maximum hygiene..



Safety & Cautions

Avoid contact with eyes, skin, or clothing.

In case of eye contact, rinse immediately with clean water and seek medical advice.

Always rinse equipment thoroughly with clean water after using ACIDIKALIN to avoid chemical residues in milk.

PRODUCT INFORMATION

- Appearance: Clear liquid
- Odour: Characteristic acidic
- pH (in solution): Strongly acidic
- Composition:
 - (1) Nitric Acid + Phosphoric Acid
 - (2) Sulfuric Acid + Phosphoric Acid



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PROTECTIK

Advanced Post-Milking Teat Dip Solutions

Product Overview

Mastitis is one of the costliest dairy diseases, reducing milk yield, quality, and farm profitability. Preventing new infections immediately after milking is critical, as teat ends are most vulnerable during this time.

PROTECTIK is a ready-to-use, film-forming teat dip designed to provide a two-in-one benefit:

- Strong antiseptic protection against mastitis-causing pathogens
- Superior skin conditioning for soft, supple, healthy teats

Each variant of PROTECTIK is formulated with proven active ingredients, humectants, and emollients to provide lasting protection until the next milking.

Premium Benefits

- Strong Antiseptic Protection – Rapidly kills mastitis-causing bacteria.
- Film-Forming Technology – Leaves a visible, nonporous protective layer on teats.
- Mastitis Prevention – Reduces risk of new intramammary infections.
- Skin Conditioning – With glycerol, sorbitol, or lactates to prevent cracks and dryness.
- Improves Milk Quality – Maintains hygienic standards, reducing bacterial contamination.
- Ready-to-Use Formula – No dilution needed; simple application with teat cups.
- Farmer Friendly – Gentle on teat skin, highly effective against pathogens.

APPLICATION (ALL VARIANTS)

Fill teat cup $\frac{3}{4}$ full – no dilution required.
Dip teats of every cow immediately after milking, ensuring full teat coverage.
Top up with fresh solution as needed.
Empty and wash dip cups after each milking.
Dry teats before the next milking.
Storage: Store below 25°C in a cool, dark place.

PROTECTIK-I

(Iodine Film Dip) – Reddish Brown

Composition:

Iodine, Glycerol, Sorbitol, Nonionic Surfactant

Features:

- (1) 5000 ppm iodophor – higher iodine levels than ordinary dips
- (2) Forms a strong iodine barrier film
- (3) Excellent for use during high bacterial challenge (mud, wet weather)
- (4) Optimum 10% Glycerol & Sorbitol keep teats soft, heal cracks & chaps



PROTECTIK-C

(Chlorhexidine Film Dip) – Red

Composition:

Chlorhexidine Gluconate, Glycerol, Nonionic, Preservative

Features:

- (1) Broad-spectrum antibacterial protection
- (2) High visibility red film shows coverage
- (3) Strong yet gentle on teat skin
- (4) Effective against resistant bacterial strains



PROTECTIK-L

(Lactic Acid Film Dip) – Blue

Composition:

Lactic Acid, Potassium Lactate, Glycerol, Nonionic, Preservative

Features:

- (1) Combines bactericidal action with skin conditioning
- (2) Potassium Lactate balances pH smooths skin & reduces cracks
- (3) Intense blue film for long-lasting visibility



PROTECTIK-L

(Lactic Acid Film Dip) – Green

Composition:

Lactic Acid, Potassium Lactate, Glycerol, Nonionic, Preservative

Features:

- (1) Same superior lactic acid-based protection
- (2) Long-lasting green film for easy monitoring
- (3) Ideal for herds requiring visible teat coverage checks



PROTECTIK– The trusted choice for progressive farmers who aim for excellence in dairy performance.

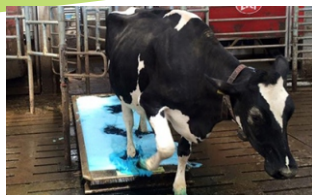
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HOOFIKAL

Formalin-Free Hoofbath Solutions for Lameness Prevention & Treatment



HOOFIKAL-Care

Description

A) Total foot treatment formulation — highly concentrated disinfectant with superior detergent cleaning action.

B) Formalin-free solution: a blend of complex biocides that harden hooves and provide long-lasting disinfection.

Composition

Aluminum sulphate
Zinc sulphate
Copper sulphate
Glutaraldehyde
Benzalkonium chloride

Preparation

(mixing instructions — include on label)
Shake contents of the container well.
Prepare a pre-mix solution by adding the required quantity of Hoof Cure into an empty bucket with an equal amount of warm water. Mix thoroughly. Ensure agitation until product is fully dissolved.
Apply or dilute premix solution according to your individual treatment needs as below.

Application & Dosage

Direct Spot Treatment of Hooves: Spray or brush on a 50% solution directly onto affected areas on the hoof.

Footbath Application: Prepare a fresh solution if the footbath becomes contaminated with manure or following treatment of 200 cows (recommended).

Shock Treatment (herd): Use a 10% solution in a footbath over 20–25 days for treatment of widespread hoof problems.

Seasonal/Periodic Treatment: Use a 5% solution in footbath for 40–45 days to prevent seasonal infections.

Continuous Protection: For continuous use, maintain a 2% solution in the footbath.

HOOFIKAL-Clean

Description

- 1) Benzalkonium chloride-based footbath, recommended for daily hoof bathing.
- 2) Designed to reduce prevalence and incidence of digital dermatitis (hairy heel warts), one of the most common causes of lameness in dairy cows.
- 3) Works best when combined with mobility scoring regular foot trimming, and proper record keeping.
- 4) Formalin-free, safe for long-term herd use.

Composition

Benzalkonium Chloride
Didecyl Dimethyl Ammonium Chloride
Non-Ionic Surfactant
Hydrochloric Acid

Preparation & Application

- Make a 1% solution (1 L of product per 100 L of water).
- Walk animals through the footbath ensuring that each hoof is immersed.
- For higher infection risk, increase to a 2% solution (2 L per 100 L water).
- Can also be used as a spray for flexible application.
- Change the solution after 200 cows or when visibly dirty.
- For best results, use HOOFIKAL Clean daily as part of a complete hoof care program.

Benefits

- ✓ Rapid-acting hoof cleaner and disinfectant
- ✓ Formulated with surfactants for deep penetration and long-lasting protection
- ✓ Highly concentrated, cost-effective in use
- ✓ Free from formalin, heavy metals, and antibiotics
- ✓ Prevents digital dermatitis and reduces herd lameness levels

Safety & Handling

- ⚠ Corrosive: Causes burns to skin, eyes, and mucous membranes. Avoid direct contact.
 - ✓ Wear gloves, goggles, and protective clothing when handling.
 - ✓ Wash thoroughly after handling; ensure adequate ventilation during use.
 - ⚠ Harmful if swallowed; causes burns to throat and stomach.
- Storage: Store between 0°C and 25°C. Keep sealed and away from direct sunlight.

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GLYCIKAL

Transition & Lactation Energy Shield

Product Overview

GLYCIKAL is a glycoline-based, fast-acting energy supplement designed to support dairy cows, buffaloes, goats, and sheep during periods of high energy demand and metabolic stress. It works by enhancing propionic acid production in the rumen, which is converted into glucose and stored as liver glycogen — providing an instant and sustained energy source.

Premium Benefits

Before Calving (Transition period):

- ✓ Provides direct sugar to the blood to meet the calf's rapid growth needs.
- ✓ Compensates for reduced feed intake (up to 25% lower one week before calving).
- ✓ Ensures a stronger start of lactation and improved colostrum quality.

After Calving (Early lactation):

- ✓ Prevents ketosis by reducing excessive fat mobilization.
- ✓ Protects against fatty liver and energy-deficiency related fertility problems.
- ✓ Supports faster increase in dry matter intake.
- ✓ Ensures sustained milk yield and reproductive performance.

Overall Benefits:

- ✓ Instant source of glucose and energy
- ✓ Easy to administer
- ✓ Improves fertility, feed intake, and milk productivity
- ✓ Reduces metabolic stress during transition and lactation

Applications & Dosage

Dairy Cows:

- 1) Last week of gestation: 250 ml/day/cow
- 2) First 60 days of lactation: 200 ml/day/cow

(Dosage may be adjusted by nutritionist depending on herd condition and diet.)



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FARMIKON

Formalin-free, effective, and farmer-friendly biosecurity products for livestock farms

FARMIKON-Shed-S

(Cypermethrin EC 10% w/v)

Description

FARMIKON Shed-Sept is a high-performance insecticidal and larvicidal formulation designed for the control of flying and crawling insects such as flies, lice, fleas, mosquitoes, beetles and spiders. Its concentrated cypermethrin (high-cis) formula delivers a rapid shock treatment effect with a long-lasting residual action (up to 12 weeks).

Cypermethrin is one of the least toxic synthetic pyrethroids to humans, birds, and mammals, making Farmikon-Shed-S safe when used as directed.

Target Species

Cattle, sheep and goats.

Indications

Effective against:

- 1) One-host and multi-host ticks
- 2) Mange mites, scab mites, and lice
- 3) Nuisance flies and biting flies
- 4) Poultry mites and lice

Dilutions & Method

Host / House	Parasites Controlled	Method	Dilution
Cattle	All flies	Spray	30 ml / litre
Sheep	Warble flies	Spray	30 ml / litre
Goats	All flies	Spray	30 ml / litre
Animal houses	All flies	Spray	30 ml / litre

Presentation

Emulsifiable concentrate (pale amber liquid)

FARMIKON-AS

Description

FARMIKON-Shampoo is a viscous, soap-free animal shampoo for sheep, cattle, horses, and pets. It cleans thoroughly while leaving coats shiny, glossy, and residue-free, making it invaluable for show preparation as well as regular farm use.

Key Features & Benefits

- 1) Soapless — gentle and effective cleansing
- 2) Works in hard and soft water conditions
- 3) Enhances coat shine & gloss without grease or scum
- 4) Economical in use

Composition

Non-ionic surfactant
Anionic surfactant
Glycerol
Sodium chloride
Preservative & perfume

Application

Dilute 250 ml shampoo in 10 litres of water
Pour slowly over the animal, working into the coat
Leave for a few minutes, rinse with tepid water, and dry thoroughly

Product Data

Appearance: White, pearlised viscous liquid
Odour: Floral
pH (undiluted): 7.0
Shelf life: 3 years (unopened)

STORAGE:

Keep in sealed container, away from extreme temperatures

FARMIKON-Deep Clean

(Chlorhexidine 2% in Isopropyl Alcohol 70%, tinted red)

Description

FARMIKON Deep Clean is a medical-grade disinfectant formulated with Chlorhexidine Gluconate 2% and Isopropyl Alcohol 70%. It provides broad-spectrum activity against Gram-positive & Gram-negative bacteria, fungi, viruses, and spores.

Chlorhexidine: highly effective disinfectant, though activity may reduce in the presence of organic matter.

Isopropyl Alcohol: rapid bactericidal action, denatures microbial proteins, lowers surface tension, and dissolves sebum for deeper cleaning.

Applications

Disinfection of farm buildings, equipment, and hard surfaces (floors, walls).

Not for therapeutic devices or surfaces in direct contact with broken skin.

Directions for Use

Pre-clean surfaces first.

Use undiluted.

Apply directly with sponge or cloth, allow to dry for 1 minute.

Do not return used solution to bottle.

Do not mix with detergents or other chemicals.

First Aid

If swallowed: drink plenty of water, seek medical advice.

If in eyes: rinse continuously with water for at least 15 minutes seek medical advice.

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Thank you



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