

Use of AMINOVITOL, HEPACARNITOL, and KETOBALANCE
in real production conditions

POULTRY PROGRAM (for broilers, layers, breeders)		
SITUATION	PRODUCT	PRACTICAL ROLE
after vaccination	AMINOVITOL	vitamin-amino acid support
heat stress	AMINOVITOL / HEPACARNITOL	stress + liver support
feed quality challenge	HEPACARNITOL	liver and detox support
recovery after treatment	AMINOVITOL + HEPACARNITOL	recovery + metabolic support

PIG PROGRAM (For piglets, growers, finishers, sows)		
SITUATION	PRODUCT	PRACTICAL ROLE
weaning stress	AMINOVITOL	support during adaptation
regrouping / transport	AMINOVITOL	stress recovery
intensive growth	AMINOVITOL / HEPACARNITOL	growth + metabolism support
decreased appetite	HEPACARNITOL	liver and metabolic support
after treatment	AMINOVITOL + HEPACARNITOL	recovery + liver support

DAIRY COW PROGRAM		
SITUATION	PRODUCT	PRACTICAL ROLE
late dry period	KETOBALANCE	energy balance support
early lactation	KETOBALANCE	ketosis risk management
decreased feed intake	KETOBALANCE / HEPACARNITOL	energy + liver support
after treatment	AMINOVITOL / HEPACARNITOL	recovery + liver support
high production pressure	KETOBALANCE + HEPACARNITOL	energy + metabolic support

SHEEP AND GOAT PROGRAM		
SITUATION	PRODUCT	PRACTICAL ROLE
first week after lambing	KETOBALANCE	energy support
transport stress	AMINOVITOL	stress recovery
decreased appetite	KETOBALANCE / HEPACARNITOL	energy + liver support
after treatment	AMINOVITOL + HEPACARNITOL	recovery + metabolic support

WHICH PRODUCT TO CHOOSE?

FARM SITUATION	RECOMMENDED PRODUCT	MAIN ROLE
Stress, transport, vaccination, change of feed	AMINOVITOL	Vitamin-amino acid support
Recovery after treatment / deworming	AMINOVITOL	Nutritional recovery support
Liver overload, toxins, decreased feed intake	HEPACARNITOL	Liver and detox support
High productivity pressure in poultry, pigs, cattle	HEPACARNITOL	Metabolic support through liver function
Dairy cows before and after calving	KETOBALANCE	Energy balance and ketosis risk control
Sheep after lambing	KETOBALANCE	Energy support

Three products for three practical purposes: recovery, liver function support, and maintenance of energy balance

APPLICATION MATRIX BY ANIMAL SPECIES

SPECIES	AMINOVITOL	HEPACARNITOL	KETOBALANCE
Poultry	stress, recovery, productivity support	liver load, toxins, feed stress	—
Pigs	stress, growth, recovery	liver support, decreased intake, treatment load	—
Cattle	stress, recovery	liver/metabolic support	transition period, ketosis risk
Sheep	stress, recovery	liver/metabolic support	post-lambing energy support
Goats	stress, recovery	liver/metabolic support	— / only if confirmed by local instruction
Rabbits	stress, recovery	use according to instructions	—

Use products according to local instructions, feeding practices and veterinary or nutritionist guidance.

WHY THESE PRODUCTS ARE SUITABLE FOR EXPORT

- supplementary feed / feed solution positioning;
- oral administration;
- use in drinking water/feed;
- practical use for farms;
- suitable for expanding the distributor's portfolio;
- no antibiotic positioning;
- no vaccine cold-chain complexity.

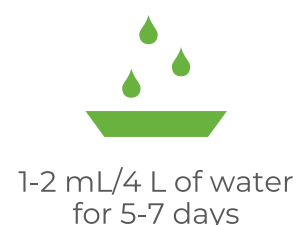


SUPPLEMENTARY
FEED LINE



AMINOVITOL

COMPLEX OF VITAMINS AND AMINO ACIDS



1-2 mL/4 L of water
for 5-7 days



1 time per day,
for 5-7 days



COMPOSITION:

1.0 ml of supplementary feed
contains following active substances:

Vitamin A – 2500 IU;
Vitamin B₁ – 1.2 mg;
Vitamin B₂ – 4.5 mg;
Vitamin B₆ – 2.5 mg;
Vitamin B₁₂ – 0.01 mg;
Vitamin C – 30.0 mg;
Vitamin D₃ – 2250 IU;
Vitamin E – 10 IU;
Vitamin K₃ – 4.5 mg;
Folic acid – 0.25 mg;
Pantothenic acid – 9.0 mg;
Biotin – 0.05 mg;
Niacinamide – 22.0 mg;
Choline chloride – 50.0 mg;
DL-Methionine – 10.0 mg;
Arginine – 10.0 mg;
Leucine – 12.0 mg;
Threonine – 2.0 mg;
Tryptophan – 6.0 mg;
Lysine – 50.0 mg;
Valine – 22.0 mg;
Isoleucine – 8.0 mg;
Phenylalanine – 10.0 mg;
Histidine – 6.0 mg.

HEPACARNITOL

LIVER DETOX SUPPORT



0.5-1 mL/
1L of water



Once daily
for 5 days



COMPOSITION:

1.0 ml of supplementary feed
contains following active substances:

L-Carnitine – 25.0 mg;
DL-Methionine – 10.0 mg;
Choline chloride – 18.75 mg;
Magnesium sulfate – 10.0 mg;
Sorbitol – 200.0 mg;
Cynarin (artichoke extract) – 5.0 mg.

PIGS

1. Sows during gestation at 35–45 days, repeat at 65–75 days.
2. Piglets during weaning (21–28 days) for 5 days.
3. Boars to stimulate sperm production for 40–60 days.

CATTLE

1. Cows 14 days before calving and 5 days after.
2. Calves from the 5th day of age, for 5 days

POULTRY

For laying hens and breeders: a course of 5-7 days, once a month, regularly.
For broilers: as needed.

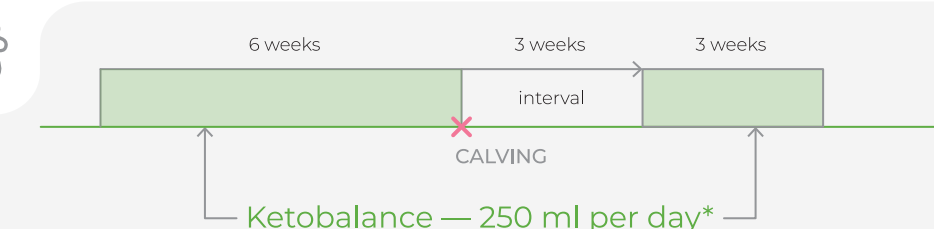
KETOBALANCE

SMART SUPPORT FOR MANAGING KETOSIS RISK



COMPOSITION:

- PROPYLENE GLYCOL 991 mL/L: QUICK ENERGY SUPPORT
Increasing blood glucose levels to reduce energy deficiency
- POTASSIUM IODIDE (Iodine [I] 1345 mg/l)
(Potassium [K] 415 mg/l): METABOLISM SUPPORT
Stimulation of the thyroid gland and acceleration of metabolic processes
- COBALT SULFATE 207 mg/l: SYNTHESIS OF VITAMIN B12
Optimizing propionate utilization in energy metabolism



*Ketobalance can be mixed with water or feed.
The undiluted product may be administered to the animal orally.

WHEN TO USE:

after vaccination	transport stress	change of feed
recovery after treatment	after deworming	periods of intensive growth

WHAT PROBLEM DOES IT RESOLVE?

Challenge:	stress, vaccination, transport, change of diet, recovery after treatment
Role:	vitamin and amino acid support
Outcome:	supports metabolism, nonspecific resistance, recovery, productivity and plumage/coat condition

WHEN TO USE:

feed-related liver load	mycotoxin risk	decreased feed intake
recovery after treatment	productivity pressure	hot climate stress

WHAT PROBLEM DOES IT RESOLVE?

Challenge:	liver load, mycotoxin risk, loss of appetite, treatment load, intensive feeding
Role:	liver and detox support
Outcome:	supports liver function and metabolic recovery during feed and production stress

WHEN TO USE:

late dry period	first weeks after calving	risk of ketosis
decreased appetite	post-lambing energy deficit	support of milk productivity

WHAT PROBLEM DOES IT RESOLVE?

Challenge:	negative energy balance in dairy cows and sheep
Role:	propylene glycol-based energy support + iodine and cobalt
Outcome:	supports energy balance, feed intake, milk production and ketosis risk control during transition period