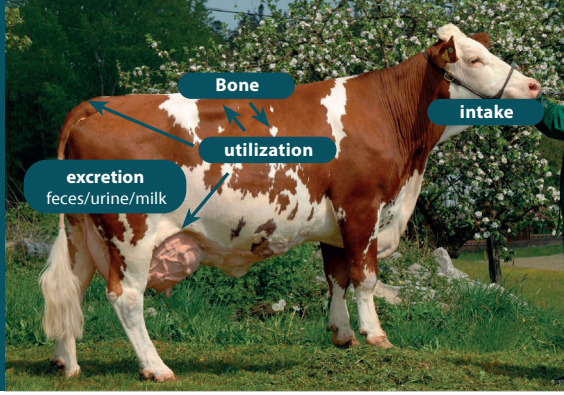
CATEC AGROCARE

feeding successfully

Dairy Cattle

CATEC AGROCARE

KNOW-HOW



Advances in cattle husbandry and feeding have led to significant increases in dairy cow performance in recent years. The foundation for the longest possible service life is not only optimal genetics, but also performance-based feeding and animal-friendly husbandry. As milk yields increase, the demands on cow feeding increase considerably. This means that the ration must be tailored to the farm and its conditions (forage, performance, etc.). With milk yields of over 40 kg per animal per day, it is often difficult to meet protein and energy requirements with a ruminant-friendly ration. Only when all feeding parameters are correct can the dairy cow's production potential be fully exploited without running the risk of health problems (e.g., ketosis, rumen acidosis, etc.).

To ensure ration calculations based on the latest scientific findings, CATEC collaborates with feed laboratories. This allows farm-specific rations to be created using a very comprehensive range of analyses, allowing high-quality CATEC products to be used very efficiently on your farm.

From this point of view, we would like to explain to you the importance of some parameters:

Crude fiber≠ Crude fiber!

The NDF content represents the plant cell walls, which essentially consist of hemicellulose, cellulose, and lignin, and thus describes the total amount of structurally active carbohydrates with different properties. The ADF content results from the cellulose and lignin in the forage and is also referred to as lignocellulose. This fraction represents the poorly digestible cell wall portion of the forage. The ADL content describes the proportion of indigestible lignin in the forage. As the plants age, ADF and ADL contents increase and impair feed consumption. Cell wall digestibility indicates the extent to which the cell walls can be broken down at the rumen level and the energy released. The higher the ADF values, the lower the digestibility of the forage.

Using the latest testing methods, cell wall digestibility is measured using a proprietary and reliable rumen fluid method. This allows for a significantly more precise energy assessment of your feed samples than calculations based on estimation formulas. Therefore, the NEL-VC value determined using rumen fluid (calculated based on actual digestibility) can differ significantly from the usual NEL value (calculated based on standard digestibility).

Good cell wall digestibility is of great importance. It accelerates both the preservation processes in the silo and degradation in the rumen. Feed intake and milk production are promoted by good cell wall digestibility. The structure of the cell wall determines the rate of degradation of organic matter. Grass with a high ADL (lignin) content is degraded slowly. Grass with a high hemicellulose content can be degraded quickly.

> The rate of degradation is crucial for the synchronization of protein and energy in the rumen. Synchronization means that the right amount of protein and energy is available in the rumen at the right time. The rumen bacteria can then most efficiently convert plant protein into milk protein.

Strength - constant or inconsistent?

The correct ratio of stable to unstable starch is essential for milk yield. Unstable starch is partially converted into propionic acid by bacteria in the rumen. This is later converted to glucose in the liver. Stable starch, on the other hand, is not broken down enzymatically in the rumen but entirely in the small intestine. This avoids the intermediate step of breakdown by rumen bacteria, and higher energy utilization of the starch is achieved. At the same time, the risk of rumen acidosis is reduced. Accurate starch assessment and glucose supply are particularly crucial at the beginning of lactation. If the glucose supply is insufficient, the cow converts amino acids into glucose to cover energy needs. The result is a decline in milk protein levels and a simultaneous increase in health risks.

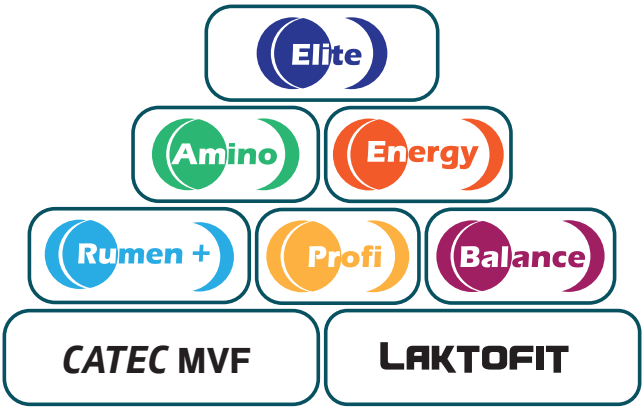
Mineral – small amount with big effect.

In addition to basic feed and a balanced energy and protein supplement, cattle also require micronutrients. These include vitamins, macro- and trace elements. Some of these are found in feedstuffs such as silage and grain, but their natural levels can fluctuate greatly. The organism's goal is to constantly maintain a balance of macro- and trace elements. The body therefore regulates the absorption and excretion of the substances contained in feed to ensure their availability for the body's own processes. This enables the organism to bridge short-term oversupply or undersupply – deficiency symptoms are therefore not immediately apparent. A persistent malnutrition initially manifests itself in a loss of performance, with typical deficiency symptoms only becoming apparent somewhat later. Since long-term storage in the body of many vitamins, macro- and trace elements is not possible, only continuous mineral supplementation can guarantee an optimal supply. The requirement for mineral intake varies depending on age and life stage.

> The CATEC product range is based on years of experience in cattle feeding and offers a suitable product for every need. With proven CATEC quality, we can achieve our common goal: successful feeding!

READY-MADE FOOD

Our product lines for a successful feeding concept:



CATEC **MVF**	Milk performance feed based on protein rapeseed meal
LAKTOFIT	Milk performance feed based on protein soybean meal
Rumen +	Milk performance feed with Rumen Plus Complex
Profi	Starch-based milk performance feed
Balance	Milk performance feed with easily digestible hemicellulose
Amino	Milk performance feed with rumen-stable methionine
Energy	Milk performance feed with rumen-stable fat
Elite	Premium milk performance feed with rumen-stable methionine & fat

CATEC **MVF** Milk performance feed based on protein rapeseed meal

Product	Nr.	RP %	NEL MJ	Description
CATEC MVF 12	3711135	12	7,0	energetic MVF
CATEC MVF 14	3711015	14	7,0	energetic MVF
CATEC MVF 16	3711035	16	7,0	energetic MVF
CATEC MVF 18	3711045	18	7,0	balanced MVF
CATEC MVF 20	3711065	20	6,8	slightly protein-rich MVF
CATEC MVF 23	3711075	23	6,8	protein-rich MVF
CATEC MVF 25	3711085	25	6,6	protein-rich MVF
CATEC MVF 27	3711095	27	6,5	protein-rich MVF

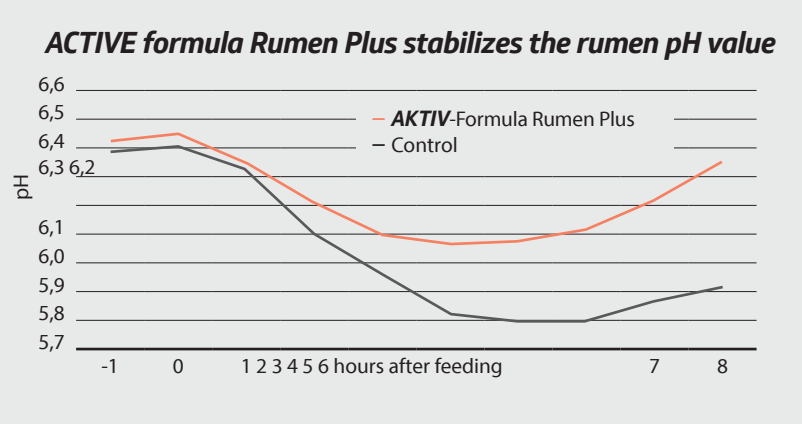
LAKTOFIT

Milk performance feed based on protein soybean meal

Product	Nr.	RP %	NEL MJ	Description
Laktofit 18	3721015	18	7,0	balanced MVF with soy

Rumen +

Maintaining the health of the rumen's biological system is the most sustainable and effective measure in dairy cattle feeding! The unique combination of yeasts, vitamins, electrolytes, and organically bound selenium makes AKTIV-Formula Rumen Plus an indispensable component of high-performance rations suitable for ruminants. The special live yeasts consume the undesirable residual oxygen in the rumen. The resulting improved environment promotes the beneficial rumen microbes, which in turn leads to improved crude fiber digestion. Furthermore, yeast stimulates fermentation in the digestive tract, thus shortening the time the feed stays in the rumen. This results in higher feed consumption, which means more nutrients are absorbed and used more efficiently. Furthermore, AKTIV-Formula Rumen Plus stabilizes the rumen pH value and thus prevents rumen acidosis.



Product	Nr.	RP %	NEL MJ	Description
CATEC MVF 11,5 Rumen Plus	3741045	11,5	7,3	high-energy MVF with Rumen Plus Complex
CATEC MVF 16 Rumen Plus	3741015	16	7,0	energy-boosting MVF with Rumen Plus Complex
CATEC MVF 19 Rumen Plus	3741025	19	7,0	balanced MVF with Rumen Plus Complex
CATEC MVF 23 Rumen Plus	3741035	23	6,8	Protein-rich MVF with Rumen Plus Complex

Profi

As milk yield increases, the consideration of easily soluble carbohydrates becomes more important. In practice, this refers to starch and sugar. The content of easily soluble carbohydrates, or the stability of starch, varies greatly between individual feeds. Rations with too little starch and sugar lead to reduced milk yield. The "Profi" dairy cattle feed line compensates for precisely these deficiencies.

Product	Nr.	RP %	NEL MJ	Description
CATEC MVF 10,5 Profi	3731075	10,5	7,4	Energy feed with a very high proportion of stable starch
CATEC MVF 12 Profi	3731015	12	7,3	starch-based energy feed
Laktofit 18 Profi	3731025	18	7,3	strength-based balanced MVF
Laktofit 20 Profi	3731045	20	7,2	starch-based, protein-rich MVF
Laktofit 22 Profi	3731065	22	7,1	starchy, protein-rich MVF

Balance

Neutral detergent fiber (NDF) is considered the most suitable parameter for characterizing fiber components, as it contains the most important cell wall fractions (cellulose, hemicellulose, and lignin) and thus allows for the division into structural and non-structural carbohydrates. The challenge for high-yielding dairy cows is to both meet their energy requirements and provide the rumen with sufficient fiber components to ensure safe rumen function. Due to limited feed intake capacity, high-performance rations are rich in starch and sugar, the digestion of which leads to large amounts of propionic acid with a strong acidic effect in the rumen. The digestion of NDF is much slower and to a lesser extent. Due to these circumstances, it is necessary to find the right balance between rapidly digestible carbohydrates and fiber fractions.

Product	Nr.	RP %	NEL MJ	Description
CATEC MVF 12 Balance	3781015	12	6,9	Combination of durable starch and NDF-rich components
Laktofit 18 Balance	3781035	18	6,8	balanced MVF with high NDF content and consistent starch
Laktofit 20 Balance	3781065	20	6,8	slightly protein-rich MVF with a high proportion of NDF and stable starch
Laktofit 22 Balance	3781025	22	6,8	protein-rich MVF with a high proportion of NDF and stable starch

Amino

The most important protein source for dairy cows is and remains the microbial protein produced in the rumen. In today's dairy cattle feeding, the crude protein in the ration must be used efficiently to ensure high performance, maintain high animal health, and avoid excessive nitrogen excretion. At high milk yields, however, the microbial protein is no longer sufficient to ensure the amino acid supply in the small intestine. For this reason, amino acids have been used in pig and poultry farming for decades to improve feed efficiency; in the past, amino acids played a subordinate role in dairy cattle feeding. While rumen-stable protein feeds were used to close this deficit, the goal in today's dairy cattle feeding is to increase the efficiency of protein utilization, i.e., a lower protein content in the ration for the same or higher performance. Microbial protein has a very consistent amino acid composition, but this varies considerably between feeds.

A deficiency of a single amino acid impairs the utilization of the remaining amino acids and thus limits milk yield. In standard rations and at their natural amino acid levels, methionine is the first-limiting amino acid. Methionine deficiency is particularly common in dairy cows in early lactation and/or with very high milk yields. Therefore, the use of rumen-stable methionine is crucial during this period, or at very high herd yields, to ensure full performance potential can be achieved.

In addition to its effect on milk production, methionine is said to have a significant effect on protein metabolism.
A deficiency in methionine can therefore lead to liver and metabolic stress (ketosis).

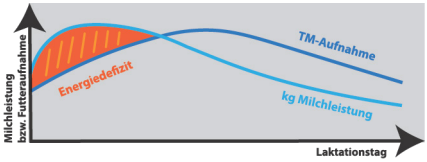
Since methionine is broken down in an unprotected form in the rumen, only rumen-stable methionine is used in dairy cattle diets.

Product	Nr.	RP %	NEL MJ	Description
Laktofit 17 Amino	3751055	17	7,1	Balanced MVF with soy & rumen stick. Methionine
LIKRA MVF 19 Amino	3751015	19	7,0	Balanced MVF with rumen stab. Methionine
Laktofit 19 Amino	3751025	19	7,1	Balanced soy-containing MVF with rumen stick. Methionine
Laktofit 22 Amino	3751035	22	7,1	Protein-rich MVF with rumen stick. Methionine
Laktofit 31 Amino	3751045	31	6,8	Protein-rich MVF with rumen stick. Methionine

Energy

In addition to a balanced protein supply for dairy cows throughout lactation, optimal energy supply during the sensitive phase of early lactation plays a crucial role in the continued success and performance of dairy cows. The greatest challenge is to provide the cow with optimal nutrition during the initial phase despite limited feed intake and to minimize the risk of health problems such as ketosis, fertility disorders, and total culling. Good forage and "simple" concentrate feeds are often insufficient to maintain the health of high-performing cows.

In order to keep the energy gap in early lactation as small as possible, in addition to supporting energy metabolism, increasing the energy density in the ration is particularly important.



Fat has the highest energy density of all feedstuffs, making it an attractive option for energy-enhancing rations. When conventional fats are used, they form a fine oily film around all particles in the rumen. This results in impaired function of the rumen—the cow's most important organ for digesting crude fiber. By using protected fats, the energy concentration of the ration can be increased accordingly, while simultaneously ensuring optimal rumen function. Ensuring an adequate energy supply is particularly important during periods of reduced feed intake.

Product	Nr.	RP %	NEL MJ	Description
Laktofit 18 Energy	3761015	18	7,5	Balanced MVF with soy and rumen-stable fat. Starch-rich and
Laktofit 20 Energy	3761035	20	7,5	slightly protein-rich MVF with soy and rumen-stable fat.

Elite

The CATEC dairy cattle feed line "Elite" represents the combination of the feed line Amino and Energy

Product	Nr.	RP %	NEL MJ	Description
CATEC MVF 14 Elite	3771015	14	7,5	Energy-rich MVF with rumen stick. Methionine & fat
CATEC MVF 16 Elite	3771055	16	8,0	Energy-rich MVF with rumen stick. Methionine & fat
Laktofit 17 Elite	3771035	17	7,8	Balanced MVF with soy, rumen stick, methionine & fat
Laktofit 20 Elite	3771025	20	8,1	Slightly protein-rich MVF with soy, rumen stick, methionine, and fat
CATEC MV I Elite	3770005	15	8,8	Lactation starter of a special kind

CONCENTRATES

Protein concentrates are characterized, among other things, by their high protein content and are used to enhance and balance energy-rich basic and concentrated feed rations.

Our dairy concentrates are divided into the following product lines:

EWK = Protein-based rapeseed meal supplementary feed
Soy mix = supplementary feed based on protein soybean meal

EWK

This concentrate with balanced mineralization is used as a protein supplement in energy-rich dairy cattle rations. The combination of various protein components ensures improved nutrient synchronization in the rumen and thus more efficient digestion.

Product	Nr.	RP %	urea
EWK 33	3541015	33	
EWK 35 NPN	3551015	35	x
EWK 40 NPN	3551025	40	x

Soy mix

This protein-rich supplement is used to enhance energy-rich rations. The combination of various oilseed meal ensures optimal protein availability, while pumpkin seed cake and soybean meal ensure palatability.

Product	Nr.	RP %	urea
Soy mix 35	3541025	35	
Soy mix 40	3541035	40	
Soy mix 45	3541045	45	
Soy mix 37 NPN	3551035	37	x
Soy mix 40 NPN	3551045	40	x
Soy mix 45 NPN	3551055	45	x
Soy mix 51 NPN	3551065	51	x
Soy mix 40 Amino	3581025	40	
Soy mix 40 Pro	3581015	40	x

Soy mix Pansen Fit

Urea can be used by rumen organisms to produce high-quality microbial protein. This is based on the simultaneous availability of protein and energy in the rumen. The slowly available urea in the Rumen Fit soy mix enables a continuous supply of ammonia and facilitates sufficient energy provision. This promotes the production of microbial protein, allowing for savings in protein feed and the use of space in the ration for more forage.

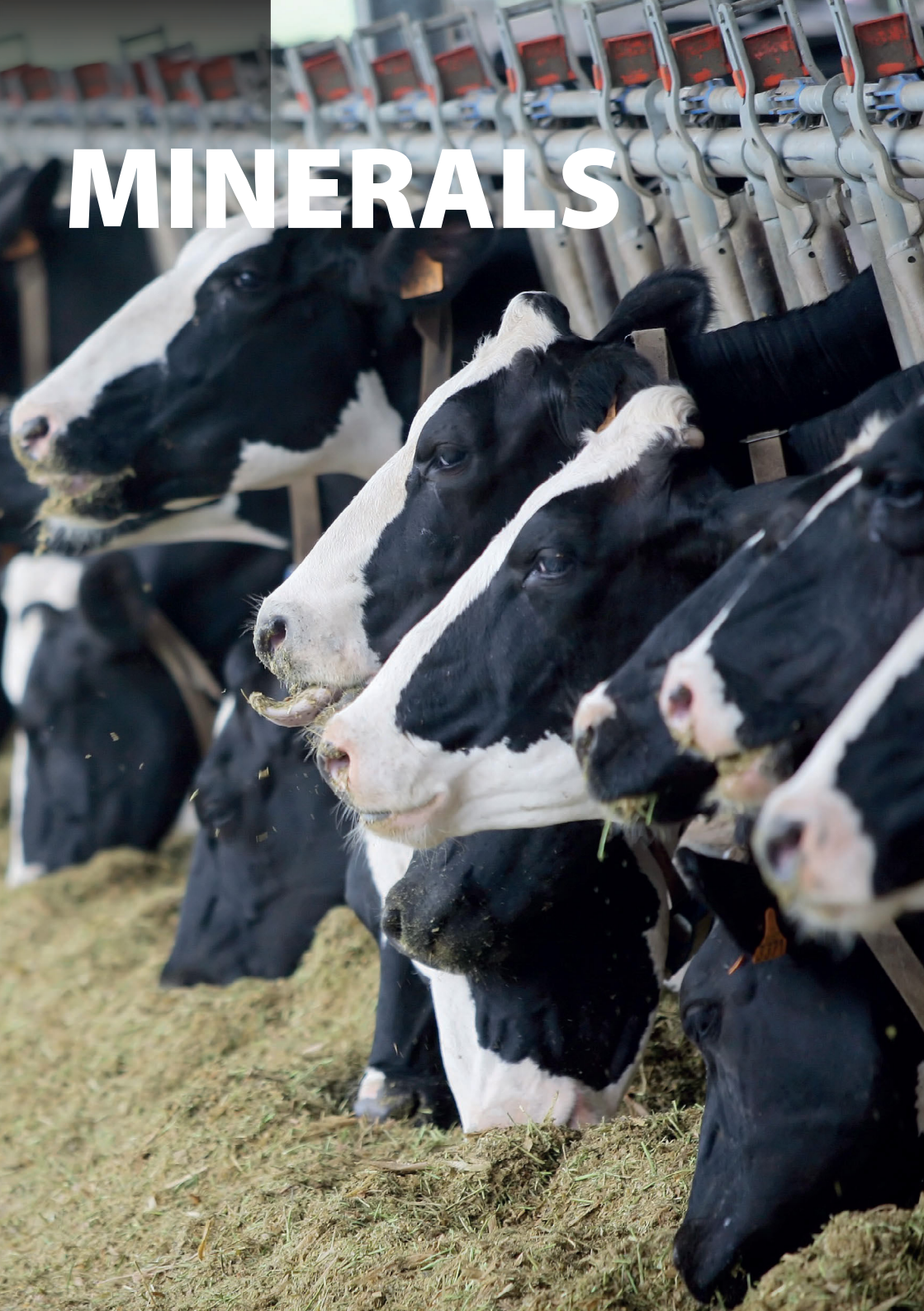
Product	Nr.	RP %	urea
Soy mix 40 Pansen Fit	3571010	40	slowly available
Soy mix 45 Pansen Fit	3571020	45	slowly available
Soy mix 60 Pansen Fit	3571030	60	slowly available

Soy mix Balance

If fiber from the forage is scarce (high corn silage content, low-structure silage/hay, etc.), high-yielding dairy cows are at risk of not being able to adequately supply the rumen with structural carbohydrates even with increasing amounts of concentrate. To reduce the risk of hyperacidity caused by high starch and sugar content, supplementing with NDF-rich feeds (high in cell wall fractions) is recommended. The combination of protein and NDF supplementation makes it possible to meet protein requirements while simultaneously providing the rumen with sufficient structure. Sojamix Balance therefore brings balance to a high-performance ration suitable for ruminants.

Product	Nr.	RP %	urea
Soy mix 28 Balance	3561015	28	
Soy mix 34 Balance	3561025	34	

MINERALS



Mineral mixtures are used to meet the needs of vitamins, macro- and trace elements. Minerals with additional benefits also provide support for specific challenges (e.g., the dry period).

Optimin Profi M Basis — 3390000

Feed successfully with confidence

It ensures a sufficient supply of minerals even when demand is high and improves energy metabolism thanks to a highly available source of phosphorus. The combination with organically bound selenium ensures optimal fertility and vital calves.

Recommended use: 100-150g per animal per day

Ca %	P %	Na %	Mg %
20,0	5,0	9,0	5,0

Optimin Rind Basis — 3401080

Mineral for a needs-based supply of cattle

Universally applicable in dairy and beef rations. Covers daily vitamin and trace element requirements. The high magnesium content ensures calmer animals in beef cattle fattening.

Recommended use: Dairy cattle 100-150g per animal per day, beef cattle 100-120g per animal per day

Ca %	P %	Na %	Mg %
20,0	1,5	11,0	6,5

Optimin MV Extra MS with additional benefits — 3401020

Ensures vitality and performance

The live yeast stabilizes the rumen pH, reduces the risk of acidosis, and thus promotes the lactic acid-utilizing and cellulose-degrading microorganisms. Biotin, which helps prevent claw diseases, and organically bound trace elements ensure optimal nutrition through high bioavailability.

Recommended use: 150-200g per animal per day, cattle fattening 100-120g per animal per day

Ca %	P %	Na %	Mg %
17,0	2,0	11,5	5,0

Optimin Profi M Rumen Plus MS with added value 3391010

Feed successfully with confidence

The live yeast stabilizes the rumen pH, reduces the risk of acidosis, and thus promotes the lactic acid-utilizing and cellulose-degrading microorganisms. This product improves energy metabolism through a highly available source of phosphorus. The combination with organically bound selenium ensures optimal fertility and vital calves.

Recommended use: 100-150g per animal per day

Ca %	P %	Na %	Mg %
20,0	5,0	9,0	5,0

CATEC-San Rilac TMR MS with added value 3420000

CATEC-San – more performance per kg feed

The extremely high vitamin and trace element content ensures optimal nutrition for high-performance herds. The high proportion of organically bound trace elements and rumen-protected vitamin A ensures optimal fertility and supports the reduction of inflammatory processes. The phytogenic bioregulator "CATEC-San" stimulates odor and taste to encourage feed intake. This results in higher forage yield, while simultaneously improving milk yield and udder health.

Recommended use: Lactating cows: 150g per animal per day; dry cows and cows in transition: 120g per animal per day.

Ca %	P %	Na %	Mg %
4,5	3,5	8,0	12,0

Limukra MZ MS with added value 3300000

The natural rumen stimulator

This special rumen stimulant is particularly rich in natural B vitamins. Its high biological value guarantees improved forage intake and utilization, ensuring a more stable metabolism. This leads to increased resistance, protection against infectious diseases, and thus higher lifetime performance. The unique composition ensures optimal feed intake even when presented separately.

Recommended use: 150-200g per animal per day

Ca %	P %	Na %	Mg %
12,5	3,0	4,0	4,5

Limukra MZ Carotin MS with added value 3320000

The natural rumen stimulator with extra beta-carotene

This special rumen stimulant is particularly rich in natural B vitamins. Its high biological value guarantees improved forage intake and utilization, ensuring a more stable metabolism. The additional beta-carotene supply supports estrus and fertility.

Recommended use: 150-200g per animal per day

Ca %	P %	Na %	Mg %
12,5	3,0	4,0	4,5

Limukra Pansen Fit MS with added value 3281010

Saves protein feed & promotes crude fiber digestion

The use of slow-release urea ensures a consistent ammonia supply and promotes the growth of crude fiber-degrading bacteria. The bacterial protein serves as a high-quality protein source for dairy cows, thus saving on protein feed. This frees up space in the ration for forage, ensuring a ruminant-friendly diet even in high-performance rations. The use of live yeast further reduces the risk of acidosis.

Recommended use: depending on the ration calculation up to 400g per animal per day

Ca %	P %	Na %	Mg %
8,0	1,8	4,5	3,2

Limukra MZ pressed MS with added value 3301055

The pressed mineral

This special rumen stimulant is particularly rich in natural B vitamins. Its high biological value guarantees improved forage intake and utilization, ensuring a more stable metabolism. The mineral is compressed and can be optimally administered via automatic dosing stations.

Recommended use: 150-200g per animal per day

Ca %	P %	Na %	Mg %
8,0	3,2	4,0	2,0

Catecmin Rumen Plus MS with added value 3371080

The key to success

A well-functioning rumen is the key to a productive and vital herd. The live yeast stabilizes the rumen pH, reduces the risk of acidosis, and thus promotes the lactic acid-utilizing and cellulose-degrading microorganisms. Biotin promotes hoof health, and organically bound trace elements ensure optimal fertility and resistance.

Recommended use: 100-150g per animal per day

Ca %	P %	Na %	Mg %
16,5	3,0	10,0	6,0

Catecmin TMR Organic MS with additional benefits 3360000

The mineral for professionals

Six trace elements are considered essential in dairy cattle feed. Deficiencies often lead to health problems and performance losses. The extremely high vitamin and trace element content ensures the necessary supply. Organically bound trace elements improve utilization through high bioavailability. Calcium must be supplemented depending on the ration.

Recommended use: 100-150g per animal per day

Ca %	P %	Na %	Mg %
5,5	3,0	13,0	10,0

Catecmin TS MS with additional benefits 3380000

Mineral for the dry period

This mineral supplement was specially formulated for the dry period. Its high magnesium and vitamin D content increases calcium absorption, thus reducing the risk of milk fever. This mineral ensures the balance of the macronutrients (Ca, P, Na, Mg), which is crucial during the dry period. Vitamin E supports udder health, and organic selenium ensures optimal fertility and excellent calf vitality.

Recommended use: 100-120g per animal per day

Ca %	P %	Na %	Mg %
2,0	5,0	9,0	25,0

Catecmin MV Green MS with additional benefits 3310000

Good for our animals - good for the environment!

Rumen Efficiency – a blend of high-quality plant-based active ingredients specifically developed to optimize feed intake and utilization. The benefits are obvious: optimal feed intake, increased milk yield, improved feed efficiency, positive effects on fertility, and reduced methane production.

Recommended use: 150g per animal per day

Ca %	P %	Na %	Mg %
16,0	2,0	11,5	5,5

Limukra MZ Energy Specialty 3290000

The energy booster for dairy cows

Especially at the beginning of lactation or when fed low-energy forage, dairy cows lack sufficient energy. Fat contains a high amount of energy, but excessive amounts of conventional fats can impair rumen function. Limukra MZ Energy therefore contains rumen-stable fat, providing the cow with energy without impairing rumen function! As an "ON TOP" product, Limukra MZ Energy can be used flexibly in any ration.

Recommended use: depending on the ration calculation up to 400g per animal per day

Limukra MZ Amino Specialty 3301120

Improves protein efficiency

What is crucial is not primarily the absolute protein content but its composition in the form of the protein components, amino acids. A deficiency in one amino acid impairs the utilization of the others and thus limits the dairy cow's performance potential. With Limu-kra MZ Amino, rumen-stable methionine can be easily supplemented on top and the natural amino acid deficiency in the ration can be compensated. This not only positively influences milk yield but also the cow's health and fertility. Furthermore, the protein used is efficiently utilized.

Recommended use: depending on the ration calculation up to 100g per animal per day

Limukra MZ Elite Specialty

3291010

Energy booster & improved protein efficiency in one product

Limukra MZ Elite is used to compensate for energy deficits and amino acid imbalances in conventional rations. Both fat and methionine are protected from rumen degradation, thus ensuring the best possible nutrition with optimal rumen function.

Recommended use: depending on the ration calculation up to 500g per animal per day

CATEC Qfit Specialty

The fermentation product for feed efficiency at the highest level

Ruminants depend on their microbiome for feed digestion. The more stable the rumen balance and intestinal function, the better the animals are protected from health challenges. CATEC QFit supports the beneficial organisms in the intestine and rumen, thereby strengthening the immune system, increasing feed intake, and boosting productivity. It has a direct effect on the rumen, independent of pH and temperature.

Product	Nr.	Recommendation for use	Description
Catecmin QFit 500	3281020	500g/animal/day	The mineralization contained completely covers the daily requirement of vitamins, macro and trace elements
Catecmin QFit 300	3281030	300g/animal/day	The mineralization contained offers the optimal supplementation of vitamins, macro and trace elements in mineralized concentrated feed
CATEC QFit Plus	5111070	100g/animal/day	OnTop supplement to the ration

Limukra TMR DCAB Specialty

3291020

Effective prevention of milk fever

High potassium levels in forage are often the cause of calving. To counteract this potassium excess, the DCAB (cation-anion balance) in the ration must be correctly adjusted. The special composition of this product guarantees the desired DCAB reduction in the last three weeks of the dry period and improves the metabolic situation. Improved liver function, reduced inflammatory processes, and a reduced risk of ketosis ensure an optimal start to lactation. We recommend using this product in combination with a ration calculation.

Recommended use: depending on the ration calculation approx. 300g per animal per day

CATEC Rumen Regulator 200 Specialty

11528000

Rumen buffer

During periods of increased energy demand (high performance, heat stress, etc.), the proportion of easily soluble carbohydrates in the ration usually increases significantly. The lower structural content results in less rumination and thus less salivation.

This lowers the pH value in the rumen and increases the risk of acidosis. The ideal composition of buffer substances in CATEC Rumen Regulator 200 ensures acid neutralization, increases optimal rumen activity, and thus reduces the risk of overacidification.

Recommended use: 200g per animal per day

CATEC Pansen Top Specialty

5111040

With live yeast for top performance

The combination of live yeast and buffer substances promotes the balance of the rumen and intestinal ecosystem and stabilizes the rumen microbial flora, thereby maximizing microbial protein production. CATEC Pansen Top supports stress tolerance and thus ensures stable performance even during feed changes and heat stress.

Recommended use: 100g/animal/day

LEAKMASS

Mineral - Leakmass

L81231010

Mineral lick for cattle

Using Leckmin Rind mineral lick, cattle can be easily offered an additional mineral supplement to meet their needs, not only in the loose housing but also on the pasture.

Recommended use: for free storage / Packaging unit: bucket 25kg, tub 65kg

Leakmass TS-Vit

L81971010

Mineral lick for dry cows

Due to the close Ca:P ratio and the correct vitamin content, the TS-Vit lick is particularly suitable as an additional mineral supply in loose housing and on pasture for the needs-based mineral supply of dry cows.

Recommended use: for free collection / Packaging unit: 25kg bucket

CATEC mineral Lickstone

L82001010

Lickstone for cattle

The mineral lick consists of high-quality salt and essential trace elements and serves as an additional mineral supplement for a needs-based supply both in the stable and on the pasture.

Recommended use: for free intake / Packaging unit: Stone 10kg, Carton 4 x 5kg

CATEC salt Lickstone

L83001010

Lickstone for cattle

The lick stone, made of pure salt, is dimensionally stable and weather-resistant. When freely accessible, it is readily accepted by cattle and used to meet their sodium requirements.

Recommended use: for free intake / Packaging unit: Stone 10kg, Carton 4 x 5kg

SPECIAL PRODUCTS

In addition to traditional mineral and compound feeds, specialty products such as silage additives, acids, and liquid feed are also used in dairy farming. Below, we would like to introduce our product range in this area in more detail.

CATEC-SIL 10E10

33532101

Certainly the best quality forage

The faster the critical pH value for stable silage is reached, the more energy is retained in the forage. CATEC-Sil contains homofermentative lactic acid bacteria, which accelerate the silage process from the very beginning. The resulting lactic acid rapidly lowers the pH value and minimizes nutrient losses. Stability after opening is ensured by heterofermentative lactic acid bacteria, which produce both lactic and acetic acid, thus inhibiting yeast growth. Consistent forage quality is assured year-round with CATEC-Sil!

Recommended use: Dissolve 1kg in 10 liters of water and distribute to 100-200t depending on the silage

Packaging unit: 1kg can

CATEC TMR fresh

S1008

Consistent quality in all weather conditions

Mixed rations are at risk of spoiling quickly, especially at higher ambient temperatures. This can result in warming, nutrient loss, and reduced feed intake. By adding CATEC TMR fresh, the ration stays fresh and stable for longer.

Recommended use: 1-2kg per tonne FM TMR

Packaging unit: 25kg bag

Catecfluid TMR

HW64001010

To enhance any mix

Catecfluid TMR increases the palatability of the TMR mixture thanks to its extreme sweetness (75% higher than molasses), thus promoting feed intake. Its excellent flowability ensures even distribution of the sugar syrup, preventing selection in mixed rations. The different sugar sources are gentle on the rumen, and due to its low potassium content, Catecfluid TMR can also be used in dry cows.

Recommended use: depending on ration calculation

Packaging unit: Container 1200kg

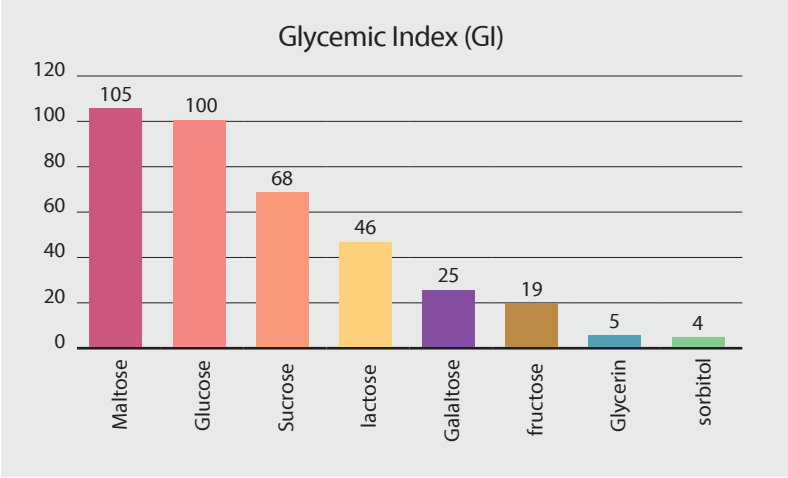
Catecfluid KETO & Catecfluid AMS HW64003010/HW64002010

Bait & ketosis prophylaxis

Many cows struggle with energy deficiencies, particularly in the first weeks of lactation. Providing sufficient energy with slow feed intake and a ruminant-friendly ration presents a challenge for feeding management. The use of high-energy, rumen-compatible supplements is therefore becoming increasingly important. The malt extract contained in the Catecfluid products AMS & KETO serves as food for the rumen bacteria and thus promotes crude fiber digestion. An increase in blood sugar levels leads to the release of insulin, which blocks body fat burning. This reduces the mobilization of stored fat and reduces the risk of liver overload. The glycemic index (GI) is a measure of the increase in blood sugar levels following the ingestion of carbohydrates and relates to the effect of glucose (GI=100). Maltose (a component of malt extract) has a higher GI than glucose compared to other sugars (see chart). It causes blood sugar levels to rise rapidly, slows fat loss, and thus effectively reduces the risk of ketosis. The aromatically sweet taste stimulates feed intake and attracts the animals to the milking bar/automatic milking system.

Catecfluid AMS: liquid attractant and ketosis prophylaxis
Recommended dosage: 300-500g per cow/day
Packaging unit: 250kg barrel, 1100kg container

Catecfluid KETO: Liquid feed for ketosis prophylaxis with propylene glycol.
Recommended use: 14 days before calving: 300g per cow/day. Up to day 50 of lactation: up to 500g per cow/day.
Packaging unit: canister 25kg, barrel 250kg, container 1100kg



BreCalSan

HW1069025

Clean animals - clean performance!

Bacteria such as E. coli thrive in warm, moist environments at pH values around 7; growth is significantly restricted at values above 9. BreCalSan is a mineral bedding product with a hygienic effect based on limestone. The high pH value of >12 limits the proliferation of pathogenic germs and reduces the bacterial load on walking surfaces and in cubicles. This prevents bacterial diseases, claw problems, and mastitis! BreCalSan is characterized by its excellent skin compatibility, which reduces skin irritations on the joints. The hygienic lime improves barn air by binding ammonia. The large surface area binds moisture, which not only ensures dry and clean udders, but also limits the proliferation of flies and other vermin.

Recommendation for use:

Bedding powder: 150-200 g/m² for raised and calf boxes, calving, exercise and waiting areas: comprehensive bedding in damp conditions

Installation and renewal of comfort mattresses in deep pens: Mixture of 1:1.5:2 parts straw, water and BreCalSan

(~500 kg straw, 800 kg water and 1000 kg BreCalSan)

Claw dry bath: In a 10cm flow-through tub

Packaging unit: BigBag 1000kg

Use biocides carefully – always read the label and product information before use!

Notes

Notes

Any questions? We're here to help!
office@catec-agrocare.com
+4312642310

Catec Agrocare GmbH
Arnoldgasse 2/
Zentrum F31 lokal 3,
1210 Wien