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 **BASF**

We create chemistry

**The way to better
animal nutrition
may be shorter
than you think**

What we stand for

- Sustainable and efficient animal nutrition
- Sound scientific evidence
- Leadership in technology and quality
- Trustworthy partnership
- Pioneering and innovating feed enzymes

 **BASF**

We create chemistry

Product Offerings Animal Nutrition

As demand for more sustainably produced animal protein grows, so does the performance of our comprehensive portfolio of efficient, sustainable, high-quality ingredients.



- Vitamins
- Carotenoids
- Enzymes
- Organic Acids
- Mycotoxin Binders
- Monoglycerides
- Glycinates

May
2025

The science of sustainable feed that succeeds

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ABBREVIATIONS

- CWD = Cold-water-dispersible
- FTU = Phytase unit
- G = Granulate
- I.U. = International unit
- L = Liquid
- TGU = Thermostable endo-glucanase unit
- TS = Thermostable
- TXU = Thermostable endo-xylanase unit

-  = Poultry
-  = Pigs
-  = Aquaculture
-  = Ruminants
-  = Pets

The right products for the right animals, for you and your customers

Above all, our comprehensive range of products and solutions delivers. For assured quality, reliability, safety and regulation. Backed by high standards of control and testing. Shown to work in lab and field. For the vitality of poultry, pigs, ruminants, fish and companion animals. For greater efficiency and productivity. And as an important contributor to helping secure the supply of high quality, affordable animal protein to meet increasing consumer expectations.

Science-led solutions that are sustainable, proven and effective

For the feed industry, the need for still greater sustainability is a win-win situation. Many of the ingredients we produce already make a substantial contribution. And we are prioritizing sustainable solutions, technologies and production processes throughout our business. Designed to help reduce emissions, make better use of resources, add nutritional value, decrease cost and support the needs of the whole value chain. Innovating to help apply sustainability as a successful business model.

We need a still greater focus on the science of sustainable feed

Our long experience of working with the feed industry, supporting feed businesses, farmers and farming is firmly based on practical science, proven in the field. Pioneers of vitamins and enzymes, today we are more than ever intent on finding answers to some of the industry's most complex challenges. We're doing this through our ongoing investment in R&D and through our global research network, working with leading animal nutrition institutes. Aiming to combine science, sustainability and success.

Success for your business, our business, people, the planet and the future

BASF is in business to create chemistry for a sustainable future. In the lab, in production, in the field and between people. And we believe that through solid, grounded science, business sense and co-operation, we can meet challenges, and create and grasp opportunities. So we can all earn a living, deliver for our customers, support the wellbeing of animals and the environment, and provide access to healthy, nutritious food for everyone. We call it the science of sustainable feed that succeeds.



VITAMINS

PRODUCT	FORM	ADDITIONAL INFORMATION ¹	APPLICATION					PRODUCT NO.	STANDARD PACKAGING	ARTICLE NO.
			PETS	AQUACULTURE	RUMINANTS	POULTRY	PIGS			
VITAMIN A										
Lutavit® A/D3 1000/200 NXT	Powder	1 million I.U. of vitamin A per gram, 200k I.U. of vitamin D per gram						30653926	20 kg bag in box	50473860
Lutavit® A 500 Plus	Powder	500,000 I.U. of vitamin A per gram						30040362 (sold in China only)	25 kg plastic bag	51283583
Lutavit® A 500 S NXT	Powder	500,000 I.U. of vitamin A per gram, dispersible in water						30652601	25 kg bag in box	50466277
Lutavit® A 1000 NXT	Powder	1 million I.U. of vitamin A per gram						30852069	20 kg plastic bag	50855562
Vitamin A-Palmitate 1.7 Mio I.U./g	Oil	1.7 million I.U. of vitamin A per gram (not stabilized)						30600627	25 kg plastic bucket	50368277
Vitamin A-Palmitate 1.7 Mio Tocopherol (Feed)	Oil	1.7 million I.U. of vitamin A per gram						30848154	25 kg plastic bucket	50846593
Vitamin A-Palmitate 1.6 Mio I.U./g	Oil	1.6 million I.U. of vitamin A per gram, for feed use (oral)						30041042	25 kg plastic bucket	55800030
Vitamin A-Propionate 2.5 Mio I.U./g	Oil	2.5 million I.U. of vitamin A per gram, for veterinary use (oral)						30041062	25 kg plastic bucket	55796320
VITAMIN B										
Lutavit® B ₂ SG 80	Granulate	80 % riboflavin						30215030	25 kg plastic bag	54690103
Lutavit® B ₂ SG 80 (EU)	Granulate	80 % riboflavin						30734040 (sold in the EU only)	25 kg plastic bag 500 kg big plastic bag	50643557 54690209
Lutavit® Calpan 98 %	Granulate	98 % calcium d-pantothenate						30041184	25 kg plastic bag 500 kg big plastic bag	50011144 50738476
VITAMIN E										
Lutavit® E 50 S	Powder	50 % vitamin E acetate, dispersible in water						30040904	25 kg bag in box 500 kg big plastic bag	50048779 50491064
Lutavit® E 50	Powder	50 % vitamin E acetate						30040915	25 kg plastic bag 500 kg big plastic bag 950 kg big plastic bag	50075923, 50734959 50043993, 50734957 50599987, 57544418
Vitamin E-Acetate Oily Feed	Oil	96 % vitamin E acetate, for feed use (oral)						30784532	25 kg plastic bucket 900 kg IBC Bulk	50748679 50748680 50748721











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Note: National regulations may vary and need to be considered prior to product use.

CAROTENOIDS

PRODUCT	FORM	ADDITIONAL INFORMATION ¹	APPLICATION					PRODUCT NO.	STANDARD PACKAGING	ARTICLE NO.	
			PETS	AQUACULTURE	RUMINANTS	POULTRY	PIGS				
ASTAXANTHIN											
Lucantin® Pink CWD	Powder	10 % astaxanthin, dispersible in water		 					30076413	20 kg bag in box 200 kg big bag 400 kg big bag	51027961 51565806 56589728
BETA-CAROTENE NEW											
Lucarotin® 10 % Feed NXT	Beadlet	10 % β-carotene							30652841	25 kg bag in box	50466157
CANTHAXANTHIN											
Lucantin® Red 10% NXT	Beadlet	10 % canthaxanthin							30770735	4 x 5 kg bag in box 25 kg bag in box	50515759 50716686
CITRANAXANTHIN											
Lucantin® CX 10% NXT	Beadlet	10 % citranaxanthin							30647233	25 kg bag in box	50580371
C-30 ESTER											
Lucantin® Yellow 10% NXT	Beadlet	10 % C-30 ester							30655262	4 x 5 kg bag in box 25 kg bag in box	50474628 50579486

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* Product available outside EU 28 market

Note: National regulations may vary and need to be considered prior to product use.

ENZYMES

PRODUCT	FORM	ADDITIONAL INFORMATION ¹	APPLICATION					PRODUCT NO.	STANDARD PACKAGING	ARTICLE NO.	
			PETS	AQUACULTURE	RUMINANTS	POULTRY	PIGS				
PHYTASE											
Natuphos® E 5000	Powder	Hybrid 6-phytase (5,000 FTU/g), recommended for non-pelleted feed or pelleting up to 85 °C		 *					30619716	20 kg bag in box 350 kg big bag	50411374 50411378
Natuphos® E 10000	Powder	Hybrid 6-phytase (10,000 FTU/g), recommended for non-pelleted feed or pelleting up to 85 °C		 *					30648322	20 kg bag in box	50461879
Natuphos® E 50000	Powder	Hybrid 6-phytase (50,000 FTU/g), recommended for non-pelleted feed or pelleting up to 85 °C		 *					30654521	20 kg bag in box	50471892
Natuphos® E 5000 L	Liquid	Hybrid 6-phytase (5,000 FTU/g), recommended for post-pelleting applications		 *					30598942	125 kg plastic drum 1000 kg bulk container	50366325 50366324
Natuphos® E 10000 L	Liquid	Hybrid 6-phytase (10,000 FTU/g), recommended for post-pelleting applications		 *					30598940	125 kg plastic drum 1000 kg bulk container	50820513 50682917
Natuphos® E 15000 L	Liquid	Hybrid 6-phytase (5,000 FTU/g), recommended for post-pelleting applications		 *					30803599	1000 kg bulk container	50793041
Natuphos® E 25000 L	Liquid	Hybrid 6-phytase (5,000 FTU/g), recommended for post-pelleting applications		 *					30598941	1000 kg bulk container	50812051
Natuphos® E 5000 G	Granulate	Hybrid 6-phytase (5,000 FTU/g), recommended for non-pelleted feed or pelleting up to 95 °C ²		 *					30635079	20 kg bag in box 350 kg Big Bag	50430020 50607752
Natuphos® E 10000 G	Granulate	Hybrid 6-phytase (10,000 FTU/g), recommended for non-pelleted feed or pelleting up to 95 °C ²		 *					30634681	20 kg bag in box 350 kg big plastic bag	50428731 50428732
Natuphos® E 17500 G	Granulate	Hybrid 6-phytase (17500 FTU/g), recommended for non-pelleted feed or pelleting up to 95 °C ²		 *					30669374	20 kg bag in box 350 kg big bag	50510235 50776890
Natuphos® E 20000 Gb	Granulate	Hybrid 6-phytase (min. 20,000 FTU/g), for non-pelleted feed or pelleting up to 95 °C ²		 *					30791993	20 kg bag in box 350 kg big plastic bag	50764980 50821517

¹ The contents indicated are minimum amounts of active substance.

² It is recommended to test for phytase retention as pelleting conditions vary greatly.

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*Application for fish depends on country or region specific approval

Note: National regulations may vary and need to be considered prior to product use.

ENZYMES

PRODUCT	FORM	ADDITIONAL INFORMATION ¹	APPLICATION					PRODUCT NO.	STANDARD PACKAGING	ARTICLE NO.	
			PETS	AQUACULTURE	RUMINANTS	POULTRY	PIGS				
PHYTASE, XYLANASE, GLUCANASE											
Natuphos® E 5000 Combi L	Liquid	Hybrid 6-phytase (5,000 FTU/g), endo-1,4-beta-xylanase (5,600 TXU/g), and endo-1,4-beta-glucanase (2,500 TGU/g), recommended for post-pelleting applications		 *					30631756	125 kg plastic drum 1000 kg bulk container	50425767 50425769
Natuphos® E 5000 Combi G	Granulate	Hybrid 6-phytase (5,000 FTU/g), endo-1,4-beta-xylanase (5,600 TXU/g) and endo-1,4-beta-glucanase (2,500 TGU/g), recommended for non-pelleted feed or pelleting up to 95 °C		 *					30654484	20 kg bag in box	50470843
Natuphos® E 10000 Combi G	Granulate	Hybrid 6-phytase (10,000 FTU/g), endo-1,4-beta-xylanase (5,600 TXU/g) and endo-1,4-beta-glucanase (2,500 TGU/g), recommended for pelleted feed "up to 95 °C (203 °F) pelleting temperature and for use in premix		 *					30654516	20 kg bag in box	50470820
XYLANASE, GLUCANASE											
Natugrain® Wheat TS	Powder	Endo-1,4-beta-xylanase (5,600 TXU/g), recommended for non-pelleted feed or pelleting up to 85 °C		 *					30269735	20 kg bag in box	52569309
Natugrain® TS	Powder	Endo-1,4-beta-xylanase (5,600 TXU/g) and endo-1,4-beta-glucanase (2,500 TGU/g), recommended for non-pelleted feed or pelleting up to 85 °C		 *					30285907	20 kg bag in box 350 kg big plastic bag	53688722 53688775
Natugrain® TS 5XG	Powder	Endo-1,4-beta-xylanase (28,000 TXU) and endo-1,4-glucanase (12,500 TGU/g), recommended for non-pelleted feed or pelleting up to 85 °C		 *					30656999	20 kg bag in box	50476892
Natugrain® TS 2.5 G	Granulate	Endo-1,4-beta-xylanase, (14,000 TXU/g) and endo-1,4-beta-glucanase (6,250 TGU/g) recommended for pelleted feed up to 90 °C		 *			 *	 *	30833076	20 kg bag in box	50814472
Natugrain® TS L	Liquid	Endo-1,4-beta-xylanase (5,600 TXU/g) and endo-1,4-beta-glucanase (2,500 TGU/g), recommended for post-pelleting applications		 *					30285884	125 kg plastic drum 1000 kg bulk container	50126560 53686496
Natugrain® TS DL	Liquid	Endo-1,4-beta-xylanase (11,200 TXU/g) and endo-1,4-beta-glucanase (5,000 TGU/g), recommended for post-pelleting applications		 *					30589044	1000 kg bulk container	50345001
MANNANASE											
Natupulse® TS ²	 Powder	Endo-1,4-beta-D-mannanase (8,000 TMU/g), recommended for non-pelleted feed or pelleting up to 90 °C					 *	 *	30712455	20 kg bag in box	50604289
Natupulse® TS L ²	 Liquid	Endo-1,4-beta-D-mannanase (8,000 TMU/g), recommended for post-pelleting applications					 *	 *	30716461	125 kg plastic drum 1000 kg bulk container	50613046 50853480
Natupulse® TS 5M	 Powder	Endo-1,4-beta-D-mannanase (40,000 TMU/g), recommended for non-pelleted feed or pellet-ing up to 90 °C					 *	 *	30846336	20 kg bag in box	50841950

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² Available only in countries with valid registration.

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ORGANIC ACIDS

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			PETS	AQUACULTURE	RUMINANTS	POULTRY	PIGS			
ORGANIC ACIDS										
Amasil® 99	Liquid	99 % formic acid						30041107	Bulk	50078124
Amasil® 94	Liquid	94 % formic acid						30239498	Bulk	57057507
Amasil® 85	Liquid	85 % formic acid						30041102	1200 kg bulk container Bulk	50034148 50076852
Amasil® 75	Liquid	75 % formic acid						30634137	Bulk	50426947
Amasil® NA	Liquid	Mixture of formic acid (61 %) and sodium formate (20.5 %)						30286605	1200 kg bulk container Bulk	50246968 53755025
Luprosil®	Liquid	99.5 % propionic acid						30041113	950 kg bulk container Bulk	50034360 50078760
Lupro-Grain® (NF)	Liquid	Mixture of propionic acid (73 %) and ammonium propionate (21 %)						30785686	1000 kg bulk container Bulk	50751564 50751563
Luprosil® NC	Liquid	Mixture of propionic acid (12 %) and ammonium propionate (51 %)						30053183	1000 kg bulk container	50094981
Luprosil® Salt Calcium	Powder	At least 98 % calcium propionate equivalent to approx. 77 % propionic acid, approx. 21 % calcium						30041137 (sold in Asia only)	25 kg bag	50079555
Lupro-Cid®	Liquid	Mixture of propionic (25 %) and formic acid (64 %)						30041101	1000 kg bulk container Bulk	50034042 50078283
Lupro-Cid® NA	Liquid	Mixture of formic acid (39 %), sodium formate (23 %), and propionic acid (18 %)						30287386	1200 kg bulk container Bulk	50246969 53843535
Lupro-Mix® NA	Liquid	Mixture of propionic acid (35%), sodium propionate (4%), formic acid (20%), and sodium formate (21%)						30473384	1000 kg bulk container Bulk	50381432 50381410
Luprosil® Mobil	Liquid	89.9 % propionic acid						30354881	Bulk	57909006














































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MYCOTOXIN BINDERS | GLYCINATES | CONJUGATED LINOLEIC ACID | MONOGLYCERIDES | OTHERS

PRODUCT	FORM	ADDITIONAL INFORMATION ¹	APPLICATION					PRODUCT NO.	STANDARD PACKAGING	ARTICLE NO.
			PETS	AQUACULTURE	RUMINANTS	POULTRY	PIGS			
MYCOTOXIN BINDERS										
Novasil™ Plus (Mycotoxin Binder)	Powder	95 % calcium bentonite						30571250	25 kg bag 500 kg big bag	50303921 50383639
Novasil™ Plus (Anti-Caking Agent)	Powder	95 % calcium bentonite						30571251	25 kg bag 500 kg big bag	50303934 50375255
Novasilect® AF	Powder	95 % calcium bentonite						30603632	25 kg bag 500 kg big bag	50374934 50413938
GLYCINATES										
Copper-Glycinate	Granulate	Copper mineral content: min. 24 %						30591287	25 kg bag 1000 kg big bag	50351985 50566837
Manganese-Glycinate	Granulate	Manganese mineral content: min. 21 %						30591120	25 kg bag 1000 kg big bag	50351989 50566857
Iron-Glycinate	Granulate	Iron mineral content: min. 21 %						30591119	25 kg bag 1000 kg big bag	50351987 50566851
Zinc-Glycinate	Granulate	Zinc mineral content: min. 26 %						30591125	25 kg bag 1000 kg big bag	50349107 50566860
MONOGLYCERIDES										
BalanGut® LS P ²	Powder	43-49% Mono-, di- and triglycerides of butyric acid and medium chain fatty acids						30724567	25 kg paper bag 650 kg big bag	50624860 50624881
BalanGut® LS L ²	Liquid	56-63% Mono-, di- and triglycerides of butyric acid and medium chain fatty acids						30724566	20 kg jerrican 1000 kg IBC	50624857 50624858
BalanGut® AQ P ²	Powder	43-49% Mono-, di- and triglycerides of butyric acid, short and medium chain fatty acids						30724719	25 kg paper bag 650 kg big bag	50625849 50625855
BalanGut® AQ L ²	Liquid	52-58% Mono-, di- and triglycerides of butyric acid, short and medium chain fatty acids						30719837	20 kg jerrican 1000 kg IBC	50624702 50624706
OTHERS										
1,2-Propandiol USP	Liquid	99 % 1,2-propandiol						30035115 (sold in Europe, Africa, West Asia only)	1000 kg bulk container Bulk	53403687 50001254

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We create chemistry

Natuphos[®] E
Natugrain[®] TS
Natupulse[®] TS



Enzymes to fully utilize the potential of your feed

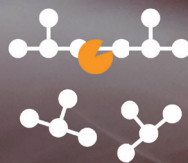
- Increasing nutrient and energy digestibility
- Exceptional process and storage stability
- Broad and flexible application
- Improved resource efficiency

The science of sustainable feed that succeeds

More than 35 years of pioneering expertise

BASF Enzymes

The science of making more from less



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More than

★ **35** ★
YEARS

Pioneering Expertise
BASF Enzymes