

## PANTO®- Mineral feed for fattening calves/bulls

## PANTO®- Mineral feed for dairy cows

	K 86	B 71	R 73	R 76	R 83	R 88	R 89
Type of ration			with urea	heat-mineral	complete-mineral	complete-mineral	complete-mineral
Animal group	calf	bull	lact. cows	lact. cows	lact. cows	lact. cows	lact. cows
<b>Ingredients:</b>							
% Calcium	20,0	20,0	14,0	15,0	20,0	21,5	23
% Phosphorus	5,0	4,0	1,5	1	4	2,5	1,5
% Sodium	5,0	9,0	6,0	15,0	10,0	10,5	10,0
% Magnesium	2,0	7,0	2,4	4,0	5,0	3,0	2,0
Ca:P-Ratio	4:1	5:1	9,3:1	15:1	5:1	8,6:1	15,3:1
<b>Additives:</b>							
I.U. Vitamin A	500.000	600.000	600.000	500.000	900.000	600.000	500.000
I.U. Vitamin D3	83.000	100.000	100.000	83.000	150.000	100.000	83.000
mg Vitamin E	3.000	2.000	4.000	5.000	4.000	2.500	2.750
mg Copper	500	800	840	500	2.500	1.500	500
mg Zinc	4.000	6.400	4.800	6.000	10.000	6.000	4.000
mg Manganese	2.500	4.000	3.000	2.500	4.000	3.000	2.500
mg Iodine	30	48	72	30	100	30	30
mg Selenium	25	40	42	25	50	25	25
mg Cobalt	-	32	36	20	75	20	20
<b>Miscellaneous:</b>							
g per animal/day	till 2 % of the forage dry matter intake	100–200	200–400	400	100–200	200–400	200–400
Properties:	with B-vitamins and yeast, biotin and choline for special requirements	mineral feed for bulls with 300 mg vitamin B1, Mg increased	with 40 % urea, high level of vitamins and trace elements	with sodium bicarbonate, highly available zinc and selenium should be fed at a high temperature	with niacin, biotin, B-vitamins and highly available trace elements	complete-mineral with niacin, biotin, B-vitamins, highly available trace elements	complete-mineral for primary care with vitamins and trace elements

### PANTO®-Mineral feed for cattle features...

- water-soluble and fat-soluble **vitamins**
- **essential elements** and **trace elements**
- traces of various **additives** for the improvement of animal health
- optimal availability of minerals and active for **environmental relief**
- exceptional **flavourings**

### PANTO®-Mineral feed contains essential mineral nutrients, vitamins, trace elements and active ingredients



Titelfoto: © Wolfhard Schulze

Änderungen vorbehalten

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HL HAMBURGER  
LEISTUNGSFUTTER

Spitzenprodukte  
der Tierernährung



# PANTO® Mineral feed for cattle



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# PANTO® Mineral feed for dairy cows

	R 56	R 57	R 58	R 59	R 60	R 61	R 62	R 63	R 64	R 65	R 66	R 67	R 68	R 69	
Type of ration		Grass / Maize	for self-made dairy cow feed		Grass / Maize	Grass / Maize	Grass / Maize	Pasture	rumen buffer	acidic salts	without Ca	fertility	for highly ferrous drinking water	TMR	
Animal group	lact. cows dry cows	lact. cows bulls, young cattle	lactating cows	lactating cows	lactating cows	lactating cows	lactating cows	lactating cows	lactating cows	dry cows	dry cows	lactating cows	lactating cows	lactating cows	
<b>Ingredients:</b>															
% Calcium	4,0	23,0	23,0	24,0	20,0	20,0	21,0	15,0	12,0	9,8		20,0	20,0	23,0	
% Phosphorus	6,0	2,0	2,0	1,0	4,0	5,0	3,0	3,0	3,0	2,1	10,0	4,0	3,0	2,0	
% Sodium	8,0	8,0	8,0	8,0	8,0	8,0	10,0	8,0	5,0		7,0	8,0	10,0	8,0	
% Magnesium	20,0	2,0	2,0	4,0	7,0	7,0	4,0	15,0	5,0	3,7	10,0	7,0	5,0	4,0	
Ca:P-Ratio	0,7:1	11,5:1	11,5:1	24:1	5:1	4:1	7:1	5:1	4:1	4,7:1		5:1	6,7:1	11,5:1	
<b>Additives:</b>															
I.U. Vitamin A	900.000	500.000	300.000	900.000	900.000	900.000	900.000	500.000	500.000	170.000	900.000	900.000	900.000	500.000	
I.U. Vitamin D3	150.000	83.000	50.000	150.000	150.000	150.000	150.000	83.000	83.000	28.000	180.000	150.000	150.000	100.000	
mg Vitamin E	5.000	3.000	650	3.000	3.000	5.000	5.000	625	2.500	3.400	7.000	5.000	3.000	2.000	
mg Copper	1.500	1.500	500	1.400	1.500	1.500	1.500	1.000	500	215	1.000	1.000	1.500	500	
mg Zinc	8.000	8.000	4.000	8.000	8.000	8.000	8.000	8.000	4.000	1.700	8.000	8.000	12.000	4.000	
mg Manganese	7.500	5.000	2.500	5.000	5.000	5.000	5.000	5.000	2.500	1.100	5.000	5.000	5.000	2.500	
mg Iodine	200	60	30	120	60	60	60	60	30	12,8	60	60	80	30	
mg Selenium	50	50	25	50	50	50	50	50	25	10,2	50	50	50	25	
mg Cobalt	100	40	20	60	40	40	40	40	20	8,5	40	40	50	20	
<b>Miscellaneous:</b>															
g per animal/day	100–200	100–200	100–200	100–200	100–200	100–200	100–200	100–200	100–200	300	350–550	150	150–200	100–200	250–300
Properties:	with higher content of magnesium, if needed add calcium carbonate, can also be fed to dry cows	for primary care with minerals and trace elements	with sodium-bicarbonate, for the production of self-made dairy cow feed	with higher content of vitamins and trace elements	vital minerals to meet basis nutritional requirements	basis mineral with B-vitamins	complete-mineral for primary care with vitamins and trace elements	with high level of Mg to prevent grass tetany	components like brewer's yeast, sodium bicarbonate and magnesium oxide have positive impact on rumen pH-value	for ration acidification, feed -6.300 meq DCAB 2-3 weeks before calving, if needed add calcium carbonate	without calcium 6 weeks before calving; -470 meq DCAB	with 1.000 mg carotene to improve fertility	with highly available copper and high level of zinc for very ferruginous water	with sorbic acid and ample calcium	

Subject to changes

## Mineral nutrients are...

- essential for the animal
- essential building blocks for the body
- necessary for the animals metabolism
- critical for maintaining good health

## Vitamins are...

- important for the animals prosperity
- essential for reproductive performance
- necessary for improving the animal health

## Trace elements are...

- crucial – even in small amounts
- essential supplements in enhanced animal feed
- vital for well-being and longevity

**PANTO®-Mineral feed contains essential mineral nutrients, vitamins, trace elements and active ingredients**