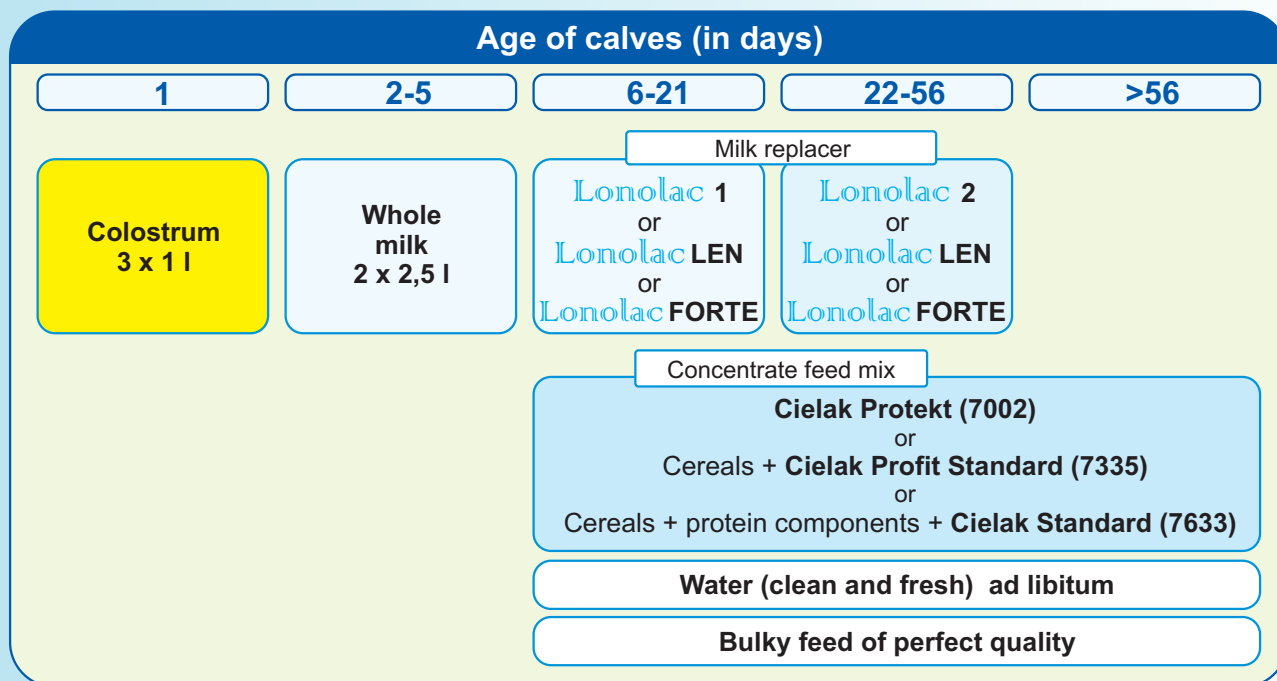


A simplified feeding scheme for calves

(for details see section on calves)



Products for heifers and cows

(for details see the section on dairy cows)

HEIFERS AND COWS WITH MILK YIELD UP TO 6000 L

Krowa Lato
7620

Krowa Magnez
7623

Krowa Zima
7627

COWS WITH MILK YIELD OF MORE THAN 6000 L

Krowa Max
7626

Krowa Forte
7650

Krowa TMR
7657

COWS IN THE DRY PERIOD

Krowa Pauza
7629

Krowa Pauza Plus
7659

Krowa Plus Minus
7658

IN CASE OF PROBLEMS

Krowa Repro
7630

Krowa Somat
7649

Krowa MiniSom
1040

Krowa BioStarter
1050

Krowa Keto
7648

2,5% mixes

“Top dressing” products



MILK REPLACERS FOR CALVES

Lonolac 1 (6225)

A milk replacer recommended for the initial rearing period, i.e. from the 6th until the 21st day of life. The product is composed in 80% of milk-based components. The product can also be used in automatic calf feeders.

Lonolac 2 (6222)

A milk replacer for older calves, recommended from the 22nd day of life until the end of rearing.

Lonolac Len (6224)

A milk replacer containing flax seeds, a source of high-quality fat, protein, mucilages and other easily absorbable components. A product particularly recommended for weaker calves and calves reared in lower ambient temperatures, as well in case of diarrhoea. The replacer can be fed to calves starting from the 6th day of life.

Lonolac Forte (6226)

A fat-rich milk replacer, particularly recommended for weaker calves and calves reared in lower ambient temperatures. The replacer can be fed to calves starting from the 6th day of life.

Parameters of milk replacers

Components	Measurement unit (in kg)	6225	6222	6224	6226
		Lonolac 1	Lonolac 2	Lonolac Len	Lonolac Forte
Total protein	%	22,0	22,0	20,0	20,0
Lysine	%	1,5	1,5	1,5	1,5
Methionine + cystine	%	0,7	0,7	0,7	0,7
Raw fat	%	15,0	10,0	16,0	17,0
Raw fibre	%	max. 0,8	max. 1,0	max. 2,6	max. 0,8
Calcium	%	0,70	0,70	0,80	0,70
Phosphorus	%	0,60	0,60	0,60	0,60
Sodium	%	0,60	0,60	0,70	0,60
Magnesium	%	0,20	0,20	0,20	0,20
Lactose	%	38,0	30,0	20,0	38,0
Manganese	mg	50,0	50,0	50,0	50,0
Zinc	mg	90,0	90,0	90,0	90,0
Iron	mg	120,0	120,0	120,0	120,0
Copper	mg	15,0	15,0	15,0	15,0
Cobalt	mg	2,0	2,0	2,0	2,0
Iodine	mg	1,2	1,2	1,2	1,2
Selenium	mg	0,3	0,3	0,3	0,3
Vitamin A	j.m.	50 000	50 000	50 000	50 000
Vitamin D3	j.m.	8 000	8 000	8 000	8 000
Vitamin E	mg	100	100	100	100
Vitamin C	mg	150	150	150	150
Vitamin K3	mg	4,0	4,0	4,0	4,0
Vitamin B1	mg	10,0	10,0	10,0	10,0
Vitamin B2	mg	8,0	8,0	8,0	8,0
Vitamin B6	mg	8,0	8,0	8,0	8,0
Vitamin B12	mcg	50,0	50,0	50,0	50,0
Niacin	mg	40,0	40,0	40,0	40,0
Pantothenic acid	mg	30,0	30,0	30,0	30,0
Folic acid	mg	0,95	0,95	0,95	0,95
Biotin	mcg	100	100	100	100
Choline chloride	mg	500	500	500	500
Probiotic		+	+	+	+
Acidifier		+	+	+	+

NEW

Preparation method of Lonolac milk replacers

Lonolac

The recommended ratio of the product and water (dilution) is around 1:10, i.e. around 100 g of the product for 1 litre of water. Add a measured amount of the product to boiled water of temperature ca. 45°C. The temperature of the liquid feed should be around 38°C.

Amount of milk replacer (daily per calf)		
Concentrate feed intake	Amount of milk replacer	Volume of liquid feed
up to ca. 700 g	550-600 g	2 x 3 l
700-1000 g	300 g	1 x 3 l
>1000 g	-	-



SUPPLEMENTARY FEED MIXES 2.5 %

Parameters of 2.5% feed mixes for calves

	Components	Measurement unit (in 1 kg)	7633	7634	
			Cielak Standard	Cielak B Plus	
Macroelements	Share in feed mix		2,5%	2,5%	
	Calcium	%	20,0	18,3	
	Phosphorus	%	7,2	7,2	
	Sodium	%	8,0	8,0	
	Magnesium	%	3,9	4,3	
Microelements	Ca : P		2,8 : 1	2,5 : 1	
	Manganese	mg	2 000	2 000	
	Zinc	mg	3 750	3 750	
	Iron	mg	2 900	2 900	
	Copper	mg	375	375	
	Cobalt	mg	12,5	12,5	
	Iodine	mg	50	50	
	Selenium	mg	12,5	12,5	
	Vitamins	Vitamin A	m.u.	1 000 000	1 000 000
		Vitamin D3	m.u.	200 000	200 000
Vitamin E		mg	1 000	1 650	
Vitamin K3		mg	-	40	
Vitamin B1		mg	-	30	
Vitamin B2		mg	-	140	
Vitamin B6		mg	-	30	
Vitamin B12		mcg	-	600	
Folic acid		mg	-	20	
Pantothenic acid		mg	-	300	
Niacin		mg	-	600	
Biotin		mcg	-	600	
Choline chloride		mg	-	2 000	

MOLASSED PRODUCTS

intended for preparation of starter concentrate mixes for calves

Cielak Standard (7633)

A mix intended for preparation of starter feed for calves from the beginning of the rearing period until the age of around 6 months.

WE RECOMMEND

Cielak B Plus (7634)

with an increased level of vitamin E and B-group vitamins

A mix for preparing starter concentrate feed for calves until the age of 6 months. The mix contains B-group vitamins and is therefore particularly recommended for calves fed with diluted milk or a milk replacer of a lower nutritive value.

Sample starter mix recipes for calves

Components	Measurement unit	1	2	3	4	5	6
Wheat	kg	150	300	200	190	160	200
Barley	kg	242	100	401	200	320	140
Oats	kg	200	100		150	200	150
Maize	kg	100	130		162		120
Rapeseed extracted meal	kg	50	50	50		50	50
Soy extracted meal 46%	kg	186	185	165	225	200	230
Wheat bran	kg		100	150		40	80
Molassed beet pulp	kg	40			40		
Salt	kg		5		2		
Chalk	kg	7	5	9	6	5	5
7633 Cielak Standard	kg	25	25	25			
7634 Cielak B Plus	kg				25	25	25
Total	kg	1000	1000	1000	1000	1000	1000
Nutritive value of feed mixes							
UFL	UFL/kg	0,96	0,96	0,95	0,98	0,95	0,96
PDI	g/kg	113	115	113	118	114	120
Total protein	%	18,0	18,5	18,0	18,1	19,0	20,0
Calcium	%	0,91	0,80	0,95	0,84	0,81	0,84
Phosphorus	%	0,60	0,68	0,72	0,60	0,65	0,67
Sodium	%	0,22	0,40	0,22	0,30	0,22	0,23

**PROFIT MIXES**

supplementary feed mix on a protein carrier
for preparation of starter concentrate feed for calves

Cielak Profit Standard (7335)

for calves and breeding heifers during the rearing period

Parameters of the Cielak Profit Standard mix

Components	Measure- ment unit (in 1 kg)	7335
		Cielak Profit Standard
Total protein	%	35
PDIN	g	242
PDIE	g	163
UFL	UFL	0,86
Raw fibre	%	max. 5,5
Macroelements		
Calcium	%	3,4
Phosphorus	%	1,5
Sodium	%	1,0
Magnesium	%	0,4
Ca : P		2,3 : 1
Microelements		
Manganese	mg	160
Zinc	mg	300
Iron	mg	220
Copper	mg	30
Cobalt	mg	1,0
Iodine	mg	4,0
Selenium	mg	1,0
Vitamins		
Vitamin A	m.u.	62 500
Vitamin D ₃	m.u.	12 500
Vitamin E	mg	100

Cielak Profit Standard is a supplementary feed mix for the preparation of starter mixes for calves from the beginning of the rearing period.

**ADMINISTRATION**

The Cielak Profit Standard
supplementary feed mix
should be mixed
with cereals according
to the following ratio:
32% - Cielak Profit Standard
and **68% - cereals.**

Sample starter concentrate mixes containing Cielak Profit Standard

Components	Measure- ment unit	1	2	3
Wheat	kg	200		
Triticale	kg	120		260
Barley	kg		340	240
Oats	kg	130		180
Maize	kg	130	340	
What bran	kg	100		
7335 Cielak Profit Standard	kg	320	320	320
Total	kg	1 000	1 000	1 000

Nutritive value of feed mixes

		1	2	3
UFL	UFL/kg	0,95	0,99	0,95
PDI	g/kg	114	118	111
Total protein	%	19,0	18,0	18,7
Calcium	%	1,14	1,12	1,14
Phosphorus	%	0,78	0,70	0,76
Sodium	%	0,32	0,32	0,33





STARTER CONCENTRATE MIX FOR CALVES

Cielak Protekt (7002)

a starter crumble feed for calves, containing purple coneflower (Echinacea purpurea)

- The Cielak Protekt mix is based on carefully selected, highly digestible plant materials (maize, wheat, oats, barley, soy extracted meal, rapeseed extracted meal, whey, brewer's yeast) that stimulate proper rumen development. An addition of vitamins and mineral compounds is specially adjusted to meet a high demand for vitamins and minerals related to the quick growth and development of a young animal.
- An addition of purple coneflower (Echinacea purpurea) has a beneficial effect on the immune resistance in the first weeks of calves' lives, improving their health, and, consequently, rearing results.
- The crumble form of the mix reduces dustiness and ensures high intake of the Cielak Protekt mix, which makes it possible to fully satisfy the nutritive demand of calves and reduce the period of feeding with liquid feeds. The mix is particularly recommended for use in the first stage of rearing.

Parametry mieszanki Cielak Protekt

Składniki	Jedn. miary (w 1 kg)	7002
		Cielak Protekt
Białko ogólne	%	19,0
BTJN	g	130
BTJE	g	111
JPM	JPM	0,9
Tłuszcz surowy	%	2,5
Włókno surowe	%	max. 5,5
Macroelements		
Wapń	%	1,0
Fosfor	%	0,6
Sód	%	0,4
Magnez	%	0,3
Ca : P		1,7 : 1
Microelements		
Mangan	mg	80
Cynk	mg	180
Żelazo	mg	50
Miedź	mg	15
Kobalt	mg	0,5
Jod	mg	2,0
Selen	mg	0,5
Vitamins		
Witamina A	j.m.	27 500
Witamina D ₃	j.m.	5 500
Witamina E	mg	42
Witamina C	mg	40
Witamina K ₃	mg	1,5
Witamina B ₁	mg	10
Witamina B ₂	mg	3,5
Witamina B ₆	mg	1,0
Witamina B _{1,2}	mcg	15,0
Kw. foliowy	mg	0,4
Kw. pantotenowy	mg	7,5
Niacyna	mg	16,0
Biotyna	mcg	50,0
Chlorek choliny	mg	50,0
Other		
Echinacea purpurea		+

ADMINISTRATION

The Cielak Protekt concentrate mix should be fed ad libitum from the 6th day of life until the end of rearing.

The feed should always be fresh (replaced twice a day, at best) and all utensils used should be carefully cleaned.

ADVANTAGES OF THE PRODUCT

- ✓ highly digestible
- ✓ boosts immunity
- ✓ high intake
- ✓ crumble form

**CONTAINS
ECHINACEA
PURPUREA**