

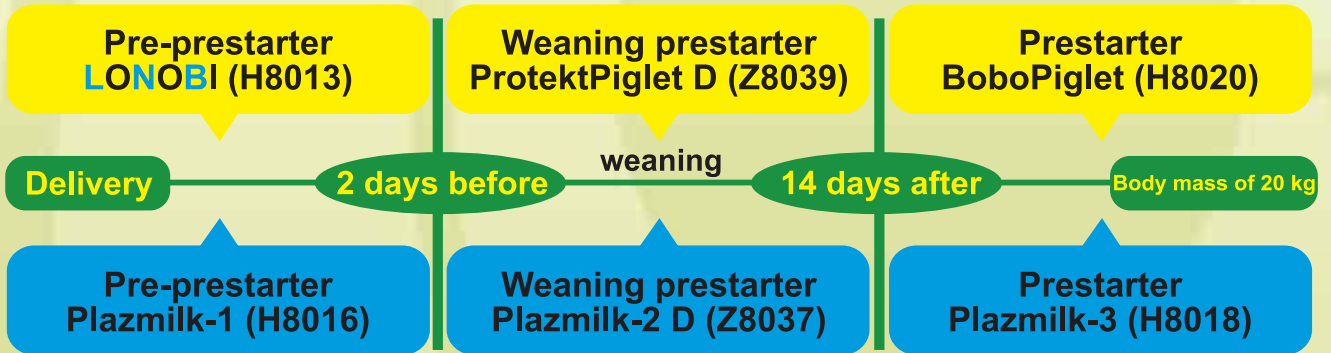


PROGRAMME

LONOBI

economical nutrition

1. The first mix fed to unweaned piglets is **LONOBI Pre-prestarter (H8013)**.
2. Two days prior to piglet weaning, we recommend switching to a specially developed **ProtektPiglet D weaning prestarter (Z8039)**.
3. 14 days after weaning, feed should be changed again, this time to **Prestarter BoboPiglet (H8020)**. This prestarter will adequately prepare your piglets for feed mixes used during fattening.



PROGRAMME

Forté

EFFECTIVE NUTRITION with blood plasma proteins

1. Starting from the first days of their lives, give your piglets **Pre-prestater Plazmilk-1 (H8016)**. Early intake of the feed will strengthen the immune system of piglets before weaning.
2. Two days prior to weaning, give your piglets the Weaning **prestarter Plazmilk-2 D (Z8037)**. You don't have to worry – they will be strong and healthy.
3. 14 days after weaning, feed should be changed again, this time to **Prestarter Plazmilk-3 (H8018)** and enjoy the sight of your beautiful, strong and vigorous piglets.



ADVANTAGES OF THE PRODUCTS

- ✓ precisely balanced on the basis of net energy
- ✓ balanced on the basis of general and digestible amino acids
- ✓ components suited to piglets' alimentary and immune systems
- ✓ optimum acidity level
- ✓ specially selected aromas and flavours
- ✓ feed enzyme complex
- ✓ vitamins in high bioavailability forms
- ✓ microelements in the form of easily absorbable organic compounds
- ✓ Meridol S, an effective plant-based productivity stimulator



BENEFITS OF USE

- ↑ early intake
- ↑ problem-free weaning
- ↑ high weight gain
- ↑ healthy and vigorous piglets



ADVANTAGES OF THE PRODUCTS

- ✓ contain blood plasma proteins specially prepared for piglet nutrition
- ✓ precisely balanced on the basis of net energy
- ✓ balanced on the basis of general and digestible amino acids
- ✓ rich in lactose, vitamins E and C
- ✓ optimum acidity level
- ✓ feed enzyme complex
- ✓ vitamins in high bioavailability forms
- ✓ microelements in the form of easily absorbable organic compounds
- ✓ Meridol S, an effective plant-based productivity stimulator



BENEFITS OF USE

- ↑ excellent utilization of nutrients contained in the feed
- ↑ high feed mix intake
- ↑ quick weight gain
- ↑ problem-free weaning
- ↑ low feed mix consumption per body mass gain
- ↑ high piglet resistance to diseases



Parameters of full-ration feed mixes for piglets up to 20 kg body weight

Components	Measurement unit in 1 kg	PROGRAMME LONObi economical nutrition			PROGRAMME Forte EFFECTIVE NUTRITION with blood plasma proteins		
		H8013	Z8039	H8020	H8016	Z8037	H8018
		Pre-prestarter LONObi	Weaning Prestarter ProtektPiglet D	Prestarter BoboPiglet	Pre-prestarter Plazmilk-1	Weaning Prestarter Plazmilk-2 D	Prestarter Plazmilk-3
Net energy	kcal	2 550	2 420	2 300	2 650	2 500	2 350
Metabolic energy	MJ	14,80	14,10	13,50	15,40	14,50	13,70
Total protein	%	20,50	17,00	17,50	21,00	18,00	18,00
Raw fat	%	8,00	6,00	3,50	9,00	6,50	4,00
Raw fibre	%	2,50	3,50	3,00	1,50	3,00	3,00
Lactose	%	6,00	4,00	-	10,00	5,50	2,00
Lysine	%	1,40	1,20	1,15	1,70	1,40	1,20
Methionine	%	0,52	0,45	0,41	0,62	0,47	0,45
Methionine with cystine	%	0,85	0,75	0,72	1,02	0,87	0,75
Treonine	%	0,92	0,82	0,75	1,10	0,95	0,83
Tryptophan	%	0,27	0,24	0,22	0,34	0,29	0,24
Isoleucine	%	0,84	0,68	0,68	0,90	0,77	0,68
Digestible lysine	%	1,24	1,05	1,00	1,50	1,25	1,05
Digestible methionine	%	0,40	0,35	0,33	0,50	0,40	0,40
Digestible methionine + cystine	%	0,75	0,62	0,61	0,90	0,75	0,64
Digestible treonine	%	0,80	0,69	0,63	0,97	0,81	0,68
Digestible tryptophan	%	0,22	0,20	0,19	0,28	0,24	0,20
Calcium	%	0,70	0,75	0,80	0,70	0,75	0,80
Total phosphorus	%	0,60	0,60	0,60	0,60	0,60	0,60
Digestible phosphorus	%	0,35	0,37	0,36	0,35	0,37	0,36
Sodium	%	0,25	0,25	0,20	0,35	0,35	0,20
Vitamin A	j.m.	20 000	20 000	20 000	20 000	20 000	20 000
Vitamin D ₃	j.m.	2 000	2 000	2 000	2 000	2 000	2 000
Vitamin E	mg	140	140	140	250	200	200
Vitamin K ₃	mg	3,0	3,0	3,0	3,0	3,0	3,0
Vitamin B ₁	mg	3,0	3,0	3,0	3,0	3,0	3,0
Vitamin B ₂	mg	8,0	8,0	8,0	8,0	8,0	8,0
Vitamin B ₆	mg	6,0	6,0	6,0	6,0	6,0	6,0
Vitamin B ₁₂	mcg	50,0	50,0	50,0	50,0	50,0	50,0
Vitamin C	mg	200	200	100	500	500	200
Folic acid	mg	4,0	4,0	4,0	4,0	4,0	4,0
Pantothenic acid	mg	20,0	20,0	20,0	20,0	20,0	20,0
Nicotinic acid	mg	40,0	40,0	40,0	40,0	40,0	40,0
Biotin	mcg	200	200	200	200	200	200
Choline chloride	mg	600	600	600	800	800	800
Manganeese	mg	80	80	80	80	80	80
Zinc	mg	140	2 500	140	140	2 500	140
Iron	mg	150	150	150	150	150	150
Copper	mg	160	160	160	160	160	160
Cobalt	mg	0,6	0,6	0,6	0,6	0,6	0,6
Iodine	mg	1,2	1,2	1,2	1,2	1,2	1,2
Seleniumium	mg	0,3	0,3	0,3	0,3	0,3	0,3
Antioxidant		+	+	+	+	+	+
Flavourings and aromas		+	+	+	+	+	+
Enzymatic preparation		+	+	+	+	+	+
Phytase		+	+	+	+	+	+
Acidifiers (preservatives)		+	+	+	+	+	+
Microelements in organic compounds		+	+	+	+	+	+
Whey and fat preparations		+	+	+	+	+	+
Blood plasma protein		-	-	-	+	+	+
Meridol S*		+	+	+	+	+	+

*Meridol S - product developed by LNB Poland – natural productivity stimulator for prestarter- and starter feed mixes.



WE RECOMMEND

NEW HIGHLY-EFFICIENT SUPPLEMENTARY FEED MIXES:

herba PROFIT Plazmilk-1 25% (H8325)

herba PROFIT Plazmilk-2 25% (H8326)

- the products contain blood plasma proteins and microelements in the form of easily absorbable organic compounds
- the products ensure high weight gain, while maximally reducing the possibility of diarrhoea in piglets



WE RECOMMEND

RELIABLE SUPPLEMENTARY FEED MIXES:

herba Global 4% (H8221)

herba PROFIT Protekt 25% (H8347)

herba LONOBI 10% (H8478)

herba PROFIT Bobo 25% (H8346)



ADVANTAGES OF THE PRODUCTS

- ✓ precisely balanced on the basis of net energy
- ✓ optimum amino acid composition including isoleucine, an amino acid limiting piglet nutrition
- ✓ components specially suited to piglet alimentary and immune system
- ✓ high content of milk-derived proteins
- ✓ optimum acidity level
- ✓ selected aromas and flavourings
- ✓ contain a feed enzyme complex
- ✓ vitamins in high bioavailability forms
- ✓ microelements in the form of easily absorbable organic compounds
- ✓ Meridol S, an effective plant-based productivity stimulator

Parameters of supplementary feed mixes for piglets up to 20 kg of body weight

Components	Measurement unit in 1 kg	H8221	H8478	H8347	H8346	H8325	H8326
		herba Global	herba LONOBI	herba PROFIT Protekt	herba PROFIT Bobo	herba PROFIT Plazmilk-1	herba PROFIT Plazmilk-2
Share in feed		4%	10%	25%	25%	25%	25%
Net energy	kcal	520	2 300	2 180	2 000	2 700	2 400
Metabolic energy	MJ	3,00	13,50	12,65	11,65	15,70	14,00
Total protein	%	14,00	12,00	33,50	42,00	22,00	35,50
Raw fat	%	-	16,0	8,5	5,0	11,90	8,50
Raw fibre	%	-	1,00	4,50	2,30	0,35	1,50
Lactose	%	-	25,00	10,00	-	30,00	16,00
Lysine	%	8,60	3,60	4,00	3,90	3,50	4,50
Methionine	%	1,50	1,20	1,50	0,90	1,50	1,50
Methionine with cystine	%	1,50	1,30	1,80	1,45	2,00	2,00
Treonine	%	2,60	1,40	2,00	1,70	1,80	2,60
Tryptophan	%	0,15	0,10	0,40	0,50	0,60	0,60
Isoleucine	%	-	0,38	1,50	1,80	0,80	1,70
Calcium	%	11,50	6,00	2,80	2,80	2,50	2,80
Total phosphorus	%	4,20	2,10	1,30	1,40	1,20	1,30
Digestible phosphorus	%	5,20	2,00	1,00	1,20	1,10	1,10
Sodium	%	4,40	1,50	1,00	0,90	1,20	1,25
Vitamin A	j.m.	500 000	200 000	80 000	80 000	80 000	80 000
Vitamin D ₃	j.m.	50 000	20 000	8 000	8 000	8 000	8 000
Vitamin E	mg	3 500	1 400	560	800	1 000	1 000
Vitamin K ₃	mg	75	30	12	12	12	12
Vitamin B ₁	mg	75	30	12	12	12	12
Vitamin B ₂	mg	200	80	32	32	32	32
Vitamin B ₆	mg	150	60	24	24	24	24
Vitamin B ₁₂	mcg	1 250	500	200	200	200	200
Vitamin C	mg	5 000	2 000	800	400	2 000	2 000
Folic acid	mg	100	40	16	16	16	16
Pantothenic acid	mg	500	200	80	80	80	80
Nicotinic acid	mg	1 000	400	160	160	160	160
Biotin	mcg	5 000	2 000	800	800	800	800
Choline chloride	mg	15 000	6 000	2 400	1 600	3 200	3 200
Manganese	mg	2 000	800	320	320	320	320
Zinc	mg	3 500	1 400	560	560	560	560
Iron	mg	3 750	1 500	600	600	600	600
Copper	mg	4 000	1 600	640	640	640	640
Cobalt	mg	15,00	6,00	2,40	2,40	2,40	2,40
Iodine	mg	30,00	12,00	4,80	4,80	4,80	4,80
Selenium	mg	7,50	3,00	1,20	1,20	1,20	1,20
Antioxidant		+	+	+	+	+	+
Flavourings and aromas		+	+	+	+	+	+
Acidifiers (preservatives)		+	+	+	+	+	+
Enzymatic preparation		+	+	+	+	+	+
Phytase		+	+	+	+	+	+
Whey and fat preparations		-	+	+	+	+	+
Microelements in organic compounds		+	+	+	+	+	+
Blood plasma proteins		-	-	-	-	+	+
Meridol S*		+	+	+	+	+	+

* Meridol S - Product developed by LNB Poland – natural productivity stimulator for prestarter- and starter feed mixes.



BENEFITS OF USE

- ↑ excellent utilization of nutrients contained in the feed
- ↑ high weight gain
- ↑ problem-free weaning
- ↑ early feed intake
- ↑ low feed mix consumption per body mass gain
- ↑ healthy and vigorous piglets



Sample recipes for full-ration feed mixes

Components	Measur- ement unit	Piglets up to 2 nd day before weaning						PPiglets from the 2 nd day before weaning until the 14 th day after weaning						Piglets up to 20 kg body weight			
Barley	kg	170	300	220	350	280	280	360	500	375	500	550	400	250	400	350	400
Wheat	kg	300	320	300	350	200	300	200	250	200	250	200	200	250	340	250	350
Maize	kg	150		150		100		200		150			150	250		150	
Soy extracted meal 46%	kg	175	175	200	200	150	160	80	80	25				150	150		
Fish meal 64%	kg	40	40			20	10	40	40					30	30		
Plant oil	kg	20	20						10						10		
Specilac (6990) *	kg	50	50	30				50	50					25	25		
Lonolac Piglet (6981) **	kg	50	50					25	25								
Lonacid MAX (1017) ***	kg	5	5					5	5					5	5		
herba Global (H8221)	kg	40	40					40	40					40	40		
herba LONObI (H8478)	kg			100	100												
herba PROFIT Protekt (H8347)	kg									250	250						
herba PROFIT Bobo (H8346)	kg														250	250	
herba PROFIT Plazmilk-1 (H8325)	kg					250	250										
herba PROFIT Plazmilk-2 (H8326)	kg											250	250				
Total	kg	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000

Nutritive value of mixes

		2 400	2 370	2 360	2320	2 420	2 400	2 300	2 320	2 330	2 310	2 370	2 400	2 300	2 300	2 280	2 250
Net energy	kcal	2 400	2 370	2 360	2320	2 420	2 400	2 300	2 320	2 330	2 310	2 370	2 400	2 300	2 300	2 280	2 250
Metabolic energy	MJ	14,00	13,80	13,75	13,50	14,10	14,00	13,50	13,50	13,60	13,50	13,80	14,00	13,50	13,50	13,25	13,10
Total protein	%	20,6	20,9	19,5	18,1	20,0	20,2	17,0	17,4	17,1	16,5	17,1	16,7	18,1	18,5	18,30	18,70
Raw fat	%	5,0	4,7	4,5	3,7	4,8	4,5	2,9	3,6	4,0	3,8	3,8	4,0	2,6	3,1	2,8	2,6
Raw fibre	%	2,5	2,8	2,6	3,1	2,5	2,6	2,9	3,2	3,7	4,0	3,4	3,0	2,8	3,2	3,1	3,2
Lactose	%	3,2	3,2	5,7	2,5	7,5	7,5	2,1	2,1	2,5	2,5	4,0	4,0	-	-	-	-
Lysine	%	1,50	1,52	1,41	1,21	1,60	1,60	1,22	1,24	1,32	1,27	1,40	1,38	1,23	1,26	1,23	1,24
Methionine	%	0,42	0,42	0,42	0,38	0,60	0,60	0,37	0,37	0,52	0,50	0,51	0,51	0,36	0,36	0,36	0,36
Methionine with cystine	%	0,75	0,76	0,75	0,70	1,00	1,00	0,66	0,67	0,80	0,79	0,88	0,88	0,67	0,68	0,67	0,67
Treonine	%	0,84	0,85	0,81	0,74	0,98	0,97	0,70	0,71	0,80	0,77	0,91	0,91	0,74	0,75	0,68	0,69
Tryptophan	%	0,26	0,27	0,25	0,22	0,32	0,33	0,21	0,22	0,20	0,20	0,25	0,24	0,22	0,23	0,22	0,22
Isoleucine	%	0,86	0,88	0,81	0,82	0,83	0,83	0,65	0,66	0,69	0,66	0,71	0,69	0,64	0,66	0,70	0,70
Calcium	%	0,80	0,80	0,77	0,70	0,79	0,71	0,75	0,76	0,74	0,74	0,75	0,74	0,68	0,69	0,75	0,75
Total phosphorus	%	0,71	0,72	0,61	0,60	0,67	0,63	0,67	0,68	0,59	0,59	0,60	0,60	0,65	0,67	0,60	0,61
Sodium	%	0,26	0,26	0,17	0,16	0,33	0,31	0,24	0,24	0,26	0,26	0,32	0,32	0,21	0,21	0,23	0,23

* Specilac (6990) – protein and lactose preparation for piglets, manufactured by LNB Poland (see section on Special Products)

** Lonolac Piglet (6981) – a milk replacer for piglets, manufactured by LNB Poland (see section on Special Products)

*** Lonacid MAX (1017) – combined acidifier and preservative manufactured by LNB Poland (see section on Lonomixes)



SPECIAL PRODUCTS

Specilac and Lonolac Piglet are a source of highly digestible protein and lactose

