

# 2022 - 2023

# CARP

Carp farming is an ancient form of fish breeding. To this day, carp are still farmed for consumption, to populate natural waters, and for commercial fish ponds.



Sinking feed



Designed for RAS



Floating feed



Sustainable fish feed



Semi-floating feed



With astaxanthine



Free from land animal protein



Low nitrogen and phosphorus emission



High digestibility



Improved resistance



Omega-3 fatty acids



# AQUATE™

Innovative premix in all **Alltech Coppens'** feeds.

- + Optimizes growth
- + Supports immune response
- + Optimizes digestive function
- + Contributes to mucous barrier protection
- + Contributes to external barrier protection

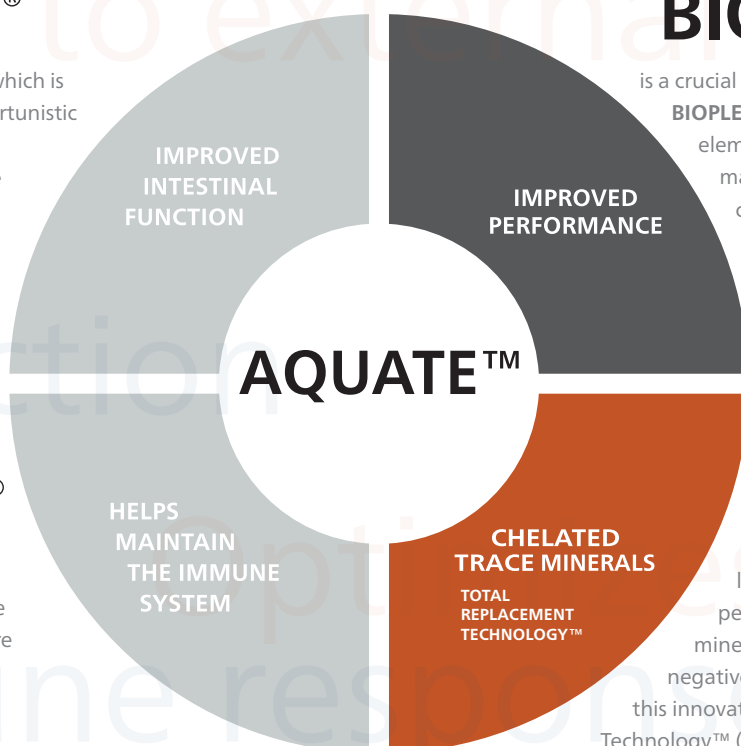


## BIO-MOS®

is a mannan-oligosaccharide, which is known to bind and drain opportunistic bacteria. This can result in a significant improvement of the intestinal flora. Additionally, it can improve the structure and length of the microvilli in the gut through which the nutrient intake can increase. **BIO-MOS®** contributes to mucous barrier protection.

## ACTIGEN®

is derived from yeast cell walls and supports the fish's immune response. **Actigen®** furthermore optimizes growth in fish.



## BIOPLEX®

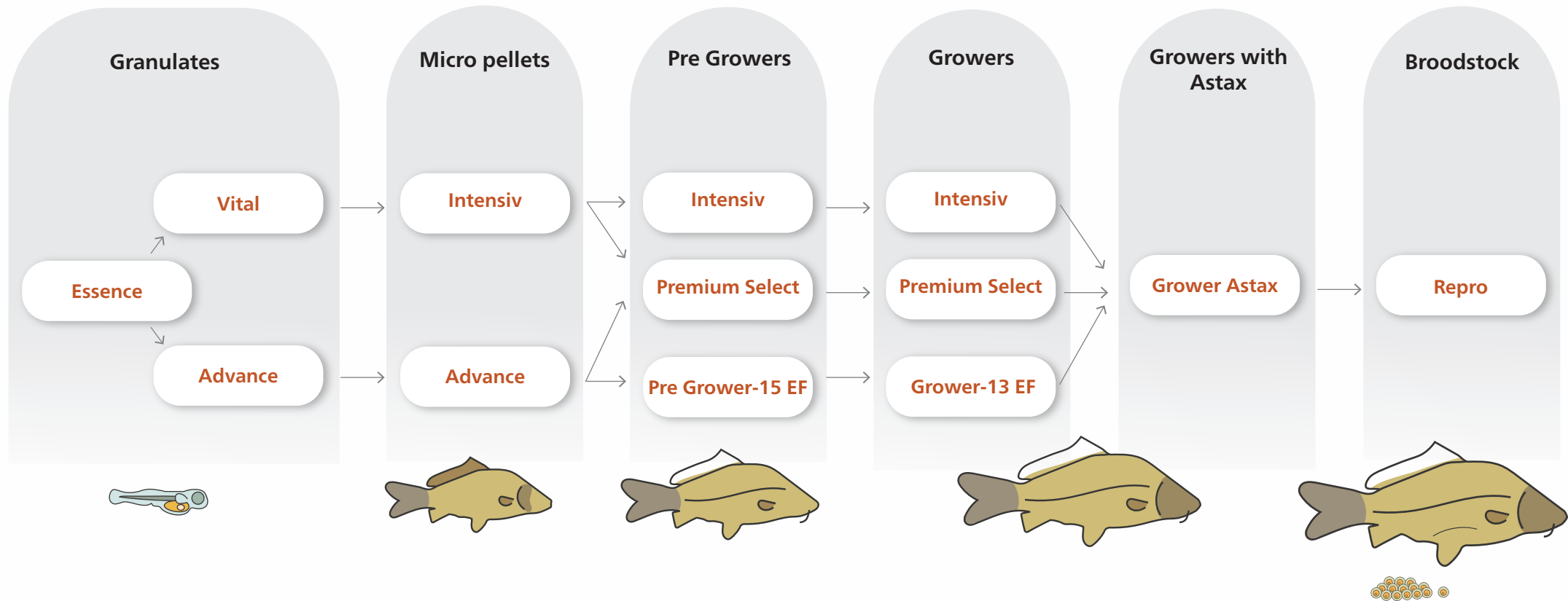
is a crucial element in our new premix. **BIOPLEX®** are organically bound trace elements such as zinc, copper, manganese & iron. With **BIOPLEX®** we can improve the health, growth & performance of the fish.

**Break with tradition and feed your animals the modern way.** Alltech has proven that chelated trace minerals in the form of Bioplex® and Sel-Plex® can be included at significantly lower levels while improving animal performance. This optimizes animal mineral requirements and reduces negative environmental impacts. We call this innovation Alltech's Total Replacement Technology™ (TRT).



**Alltech®** COPPENS

# Carp feed overview



- Artemia replacer
- High survival
- Supports bone development



### COMPOSITION:

#### Analyses (%)

Protein	45	0.2-0.3 mm
Fat	11	0.3-0.5 mm
Crude fibre	1.0	0.5-0.8 mm
Ash	7.3	
Total P	2.12	

#### Sizes

#### Vitamins added

Vitamin A (IE/kg)	16667
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#### Energy (MJ/kg)

Gross Energy	19.8
Digestible Energy	17.8

### FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

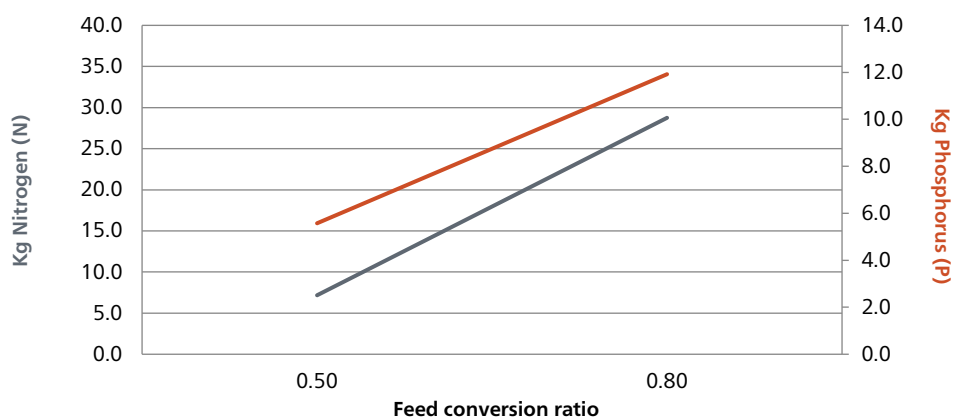
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	26 °C
< 0.2	0.2-0.3	According to fish's appetite	Larvae fed to satiation									
0.2-0.5	0.3-0.5		2.34	2.83	3.42	4.13	5.00	6.05	7.31	8.84	7.96	According to fish's appetite & O2 level
0.5-1.5	0.5-0.8		2.01	2.43	2.94	3.55	4.29	5.19	6.28	7.59	6.83	

\* The feeding advice is expressed in % biomass/day.

\* This feeding table is a guideline only and based on optimal conditions.

### ECOLOGICAL FIGURES:

Discharge per 1000 kg production



The values of the nutrients and vitamins are from the time of writing.

These values can vary due to natural variation in the ingredients. We reserve the right to change our recipe.

For the exact values we refer to the label.

- For semi-intensive farming
- High performance
- High survival
- Medium energy starter diet



### COMPOSITION:

Analyses (%)	0.2-0.3 mm	0.3-0.5 mm	0.5-0.8 mm	1.00 mm	1.5 mm
Protein	56	56	56	54	54
Fat	15	15	15	15	15
Crude fibre	0.3	0.3	0.3	0.3	0.3
Ash	11.30	11.30	11.30	10.63	10.63
Total P	1.77	1.77	1.77	1.72	1.72

### Vitamins added

Vitamin A (IE/kg)	16667	16667	16667	13333	13333
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### Energy (MJ/kg)

Gross Energy	21.2	21.2	21.2	21.0	21.0
Digestible Energy	19.2	19.2	19.2	19.3	19.3

### FEEDING TABLE FOR OPTIMAL GROWTH

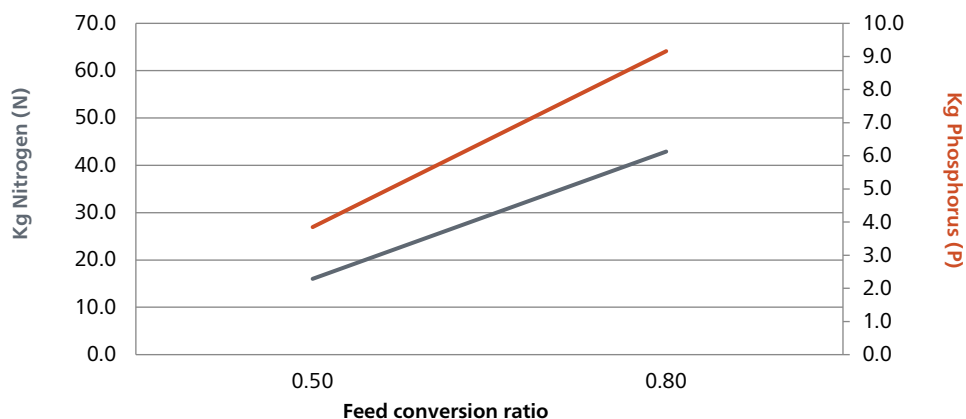
Fish weight (g)	Feed size (mm)	<10°C	10°C	12°C	14°C	16°C	18°C	20°C	22°C	24°C	26°C	>26°C
< 0.2	0.2-0.3	According to fish's appetite	Larvae fed to satiation									
0.2-0.5	0.3-0.5		2.17	2.62	3.17	3.83	4.63	5.60	6.77	8.19	7.37	According to fish's appetite & O2 level
0.5-1.5	0.5-0.8		1.86	2.25	2.72	3.29	3.98	4.81	5.82	7.03	6.33	
1.5-5	0.5-0.8		1.62	1.96	2.37	2.86	3.46	4.19	5.06	6.12	5.51	
5.0-8.0	1.0-1.5		1.21	1.46	1.77	2.14	2.58	3.12	3.78	4.57	4.11	
8.0-15.0	1.5		1.07	1.29	1.56	1.89	2.28	2.76	3.34	4.04	3.64	

\* The feeding advice is expressed in % biomass/day.

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### ECOLOGICAL FIGURES:

Discharge per 1000 kg production



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For the exact values we refer to the label.



- Low energy granulate
- For semi-intensive farming
- High survival
- Good performance



### COMPOSITION:

Analyses (%)	0.2-0.5 mm	0.5-1.2 mm	1.2-2.2 mm
Protein	47	46	46
Fat	9	10	10
Crude fibre	0.9	0.9	0.9
Ash	12.0	11.9	11.9
Total P	2.07	2.05	2.05

### Vitamins added

Vitamin A (IE/kg)	16667	16667	16667
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### Energy (MJ/kg)

Gross Energy	19.1	19.3	19.3
Digestible Energy	16.6	16.9	16.9

### FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

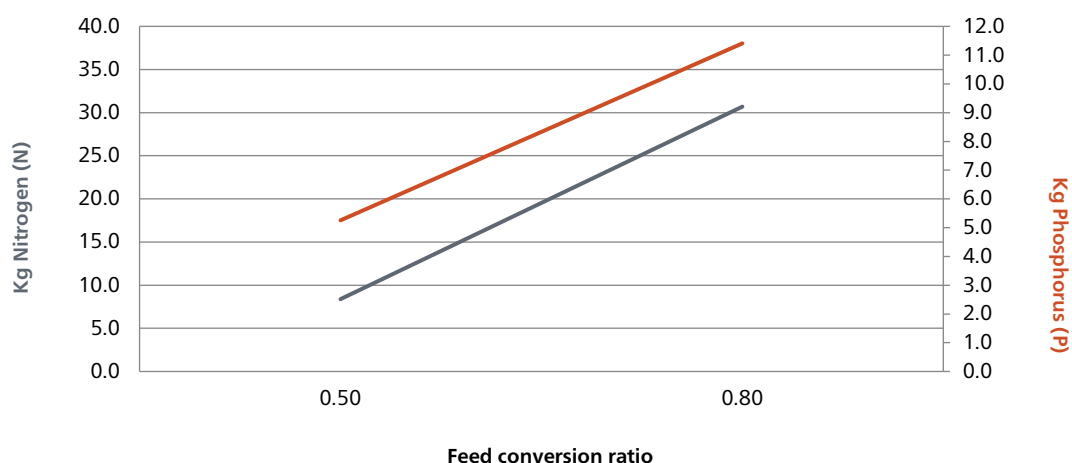
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
< 0.2	0.2-0.5	According to fish's appetite	Larvae fed to satiation									According to fish's appetite & O2 level
0.2-0.5	0.2-0.5		2.46	2.98	3.60	4.36	5.27	6.37	7.70	9.31	8.38	
0.5-1.5	0.5-1.2		2.08	2.51	3.04	3.67	4.44	5.37	6.50	7.86	7.07	
1.5-5.0	0.5-1.2		1.55	1.87	2.27	2.74	3.31	4.01	4.85	5.86	5.27	
5.0-15	1.2-2.2		1.25	1.51	1.82	2.20	2.66	3.22	3.89	4.71	4.24	

\* The feeding advice is expressed in % biomass/day.

\* This feeding table is a guideline only and based on optimal conditions.

### ECOLOGICAL FIGURES:

Discharge per 1000 kg production



The values of the nutrients and vitamins are from the time of writing.

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For the exact values we refer to the label.

- Semi-intensive farming
- Good performance
- Excellent for roach



## COMPOSITION:

### Analyses (%)

		Sizes
Protein	40	1.5 mm
Fat	10	
Crude fibre	1.5	
Ash	6.5	
Total P	1.16	

### Vitamins added

Vitamin A (IE/kg)	13333
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### Energy (MJ/kg)

Gross Energy	19.3
Digestible Energy	16.9

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
8-15	1.5		1.29	1.56	1.89	2.28	2.76	3.34	4.04	4.89	4.40	

According to fish's appetite

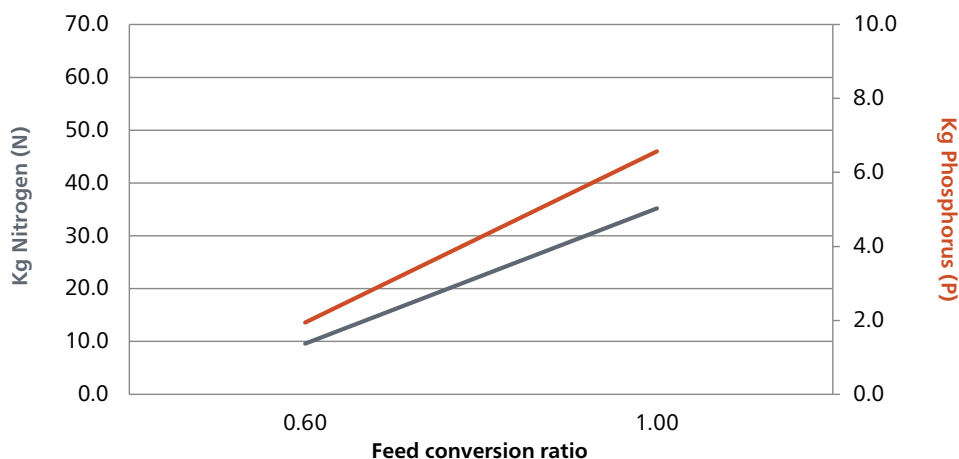
According to fish's appetite & O2 level

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## ECOLOGICAL FIGURES:

### Discharge per 1000 kg production



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For the exact values we refer to the label.

- High energy diet
- High attractivity
- Good performance
- For semi-intensive farming
- Good for autumn feeding



## COMPOSITION:

### Analyses (%)

Protein	32
Fat	15
Crude fibre	2.2
Ash	9.5
Total P	1.20

### Sizes

2.0 mm

### Vitamins added

Vitamin A (IE/kg)	10000
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### Energy (MJ/kg)

Gross Energy	19.8
Digestible Energy	16.6

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

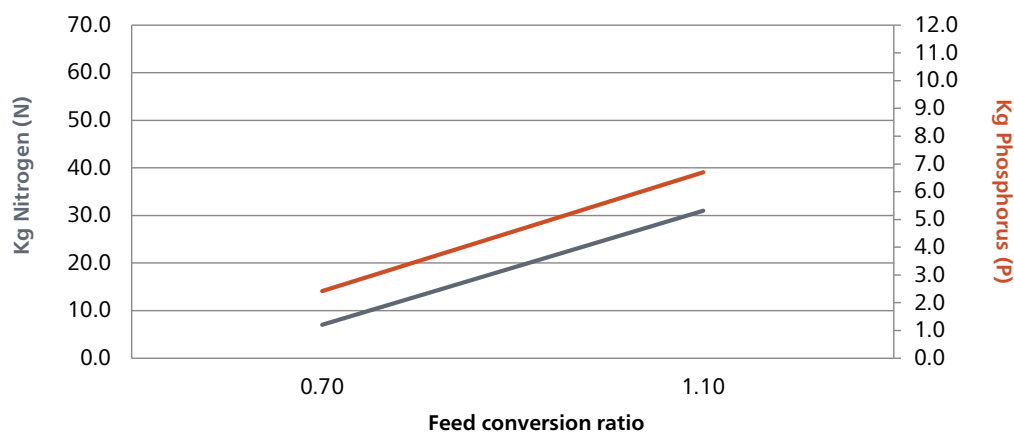
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
15-25	2.0		1.01	1.22	1.48	1.79	2.16	2.61	3.16	3.82	3.44	
25-50	2.0	According to fish's appetite	0.89	1.08	1.30	1.58	1.91	2.31	2.79	3.37	3.03	According to fish's appetite & O2 level

\* The feeding advice is expressed in % biomass/day.

\* This feeding table is a guideline only and based on optimal conditions.

## ECOLOGICAL FIGURES:

Discharge per 1000 kg production



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For the exact values we refer to the label.



- Medium energy diet
- For semi-intensive farming
- Good performance



## COMPOSITION:

### Analyses (%)

Protein	40	Sizes	2.0 mm
Fat	10		
Crude fibre	1.5		
Ash	6.5		
Total P	1.16		

### Vitamins added

Vitamin A (IE/kg)	13333
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### Energy (MJ/kg)

Gross Energy	19.3
Digestible Energy	16.9

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

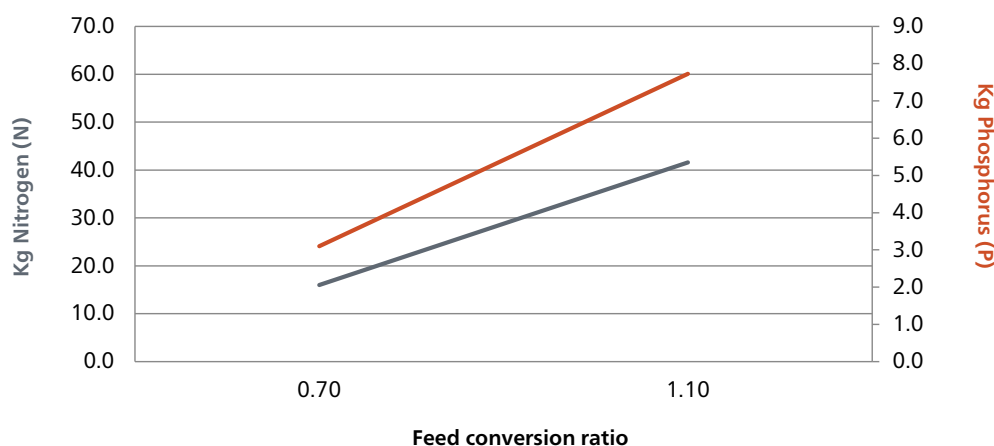
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
15-25	2.0		1.04	1.26	1.52	1.84	2.23	2.69	3.25	3.94	3.54	
25-50	2.0	According to fish's appetite	0.87	1.05	1.27	1.53	1.85	2.24	2.71	3.28	2.95	According to fish's appetite & O2 level

\* The feeding advice is expressed in % biomass/day.

\* This feeding table is a guideline only and based on optimal conditions.

## ECOLOGICAL FIGURES:

Discharge per 1000 kg production



The values of the nutrients and vitamins are from the time of writing.

These values can vary due to natural variation in the ingredients. We reserve the right to change our recipe.

For the exact values we refer to the label.

- High performance
- Very palatable
- Optical feeding control



## COMPOSITION:

### Analyses (%)

Protein	50	Sizes	2.0 mm
Fat	15		
Crude fibre	0.5		
Ash	6.7		
Total P	0.98		

### Vitamins added

Vitamin A (IE/kg)	11667
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### Energy (MJ/kg)

Gross Energy	21.4
Digestible Energy	19.5

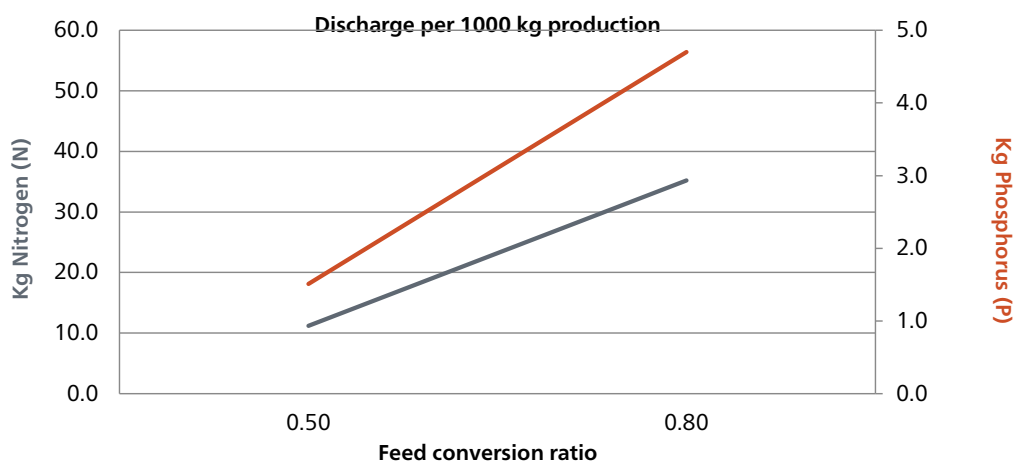
## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
15-25	2.0	According to fish's appetite	0.91	1.10	1.33	1.61	1.95	2.36	2.85	3.45	3.10	According to fish's appetite & O2 level
25-50	2.0		0.80	0.97	1.18	1.42	1.72	2.08	2.51	3.04	2.74	

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## ECOLOGICAL FIGURES:



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For the exact values we refer to the label.

- High energy diet
- High attractivity
- Good performance
- For semi-intensive farming
- Good for autumn feeding



## COMPOSITION:

### Analyses (%)

Protein	32	3.0 mm
Fat	15	4.5 mm
Crude fibre	2.2	6.0 mm
Ash	9.5	8.0 mm
Total P	1.20	14.0 mm
		20.0 mm

### Vitamins added

Vitamin A (IE/kg)	10000
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### Energy (MJ/kg)

Gross Energy	19.8
Digestible Energy	16.6

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

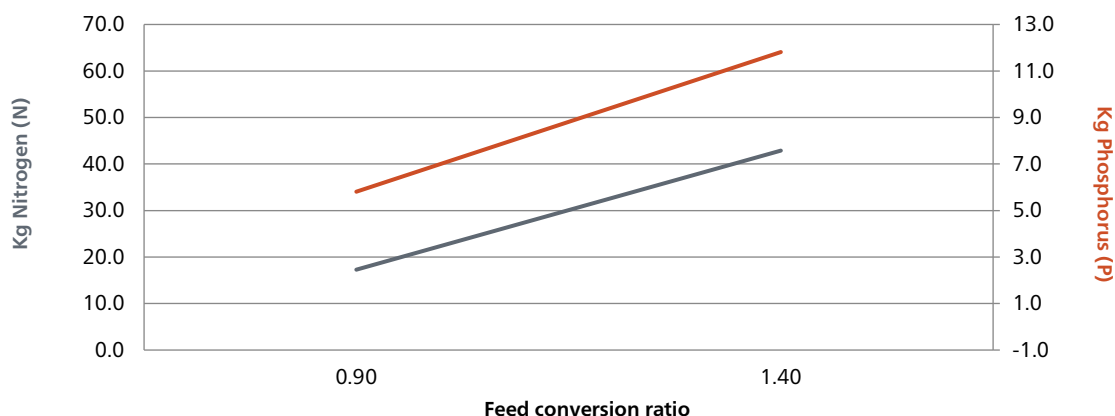
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
50-100	3.0	According to fish's appetite	0.79	0.96	1.16	1.40	1.70	2.05	2.48	3.00	2.70	According to fish's appetite & O2 level
100-250	4.5		0.62	0.75	0.90	1.09	1.32	1.60	1.93	2.34	2.10	
250-500	6.0		0.53	0.64	0.78	0.94	1.13	1.37	1.66	2.01	1.81	
500-1000	6.0		0.37	0.45	0.54	0.65	0.79	0.96	1.16	1.40	1.26	
1000-2000	8.0		0.24	0.29	0.35	0.43	0.52	0.62	0.75	0.91	0.82	

\* The feeding advice is expressed in % biomass/day.

\* This feeding table is a guideline only and based on optimal conditions.

## ECOLOGICAL FIGURES:

Discharge per 1000 kg production



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These values can vary due to natural variation in the ingredients. We reserve the right to change our recipe.

For the exact values we refer to the label.

- Medium energy diet
- For semi-intensive farming
- Good performance



## COMPOSITION:

### Analyses (%)

Protein	40	3.0 mm
Fat	10	4.5 mm
Crude fibre	2.3	6.0 mm
Ash	10.3	9.0 mm
Total P	1.37	

### Sizes

### Vitamins added

Vitamin A (IE/kg)	10000
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### Energy (MJ/kg)

Gross Energy	18.8
Digestible Energy	15.7

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

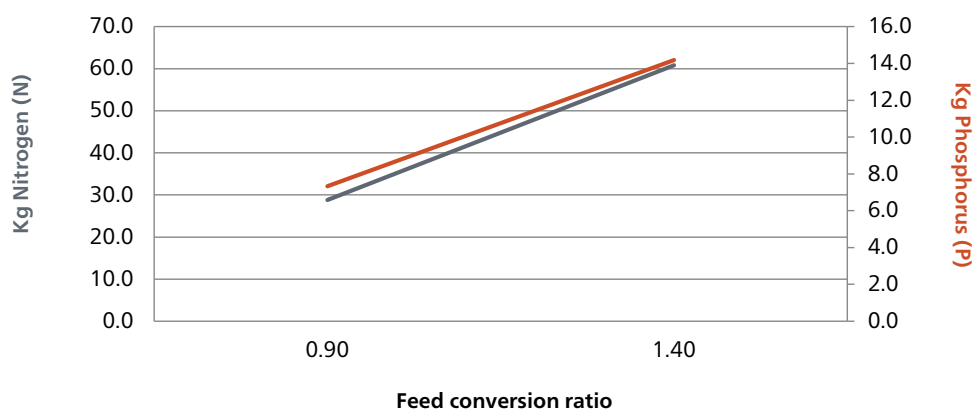
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
50-100	3.0		0.84	1.02	1.23	1.49	1.80	2.18	2.63	3.19	2.87	
100-250	4.5	According to fish's appetite	0.66	0.79	0.96	1.16	1.40	1.70	2.05	2.48	2.23	According to fish's appetite & O2 level
250-500	4.5		0.56	0.68	0.82	1.00	1.20	1.46	1.76	2.13	1.92	
500-1000	6.0		0.39	0.47	0.57	0.69	0.84	1.01	1.23	1.48	1.33	
1000-2000	9.0		0.26	0.31	0.37	0.45	0.55	0.66	0.80	0.97	0.87	

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## ECOLOGICAL FIGURES:

Discharge per 1000 kg production



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These values can vary due to natural variation in the ingredients. We reserve the right to change our recipe.

For the exact values we refer to the label.

- Semi-intensive farming
- Good performance
- Very palatable
- Optical feeding control



## COMPOSITION:

### Analyses (%)

		Sizes
Protein	42	3.0 mm
Fat	13	4.5 mm
Crude fibre	2.8	6.0 mm
Ash	6.4	
Total P	0.82	

### Vitamins added

Vitamin A (IE/kg)	10000
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### Energy (MJ/kg)

Gross Energy	20.5
Digestible Energy	17.0

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

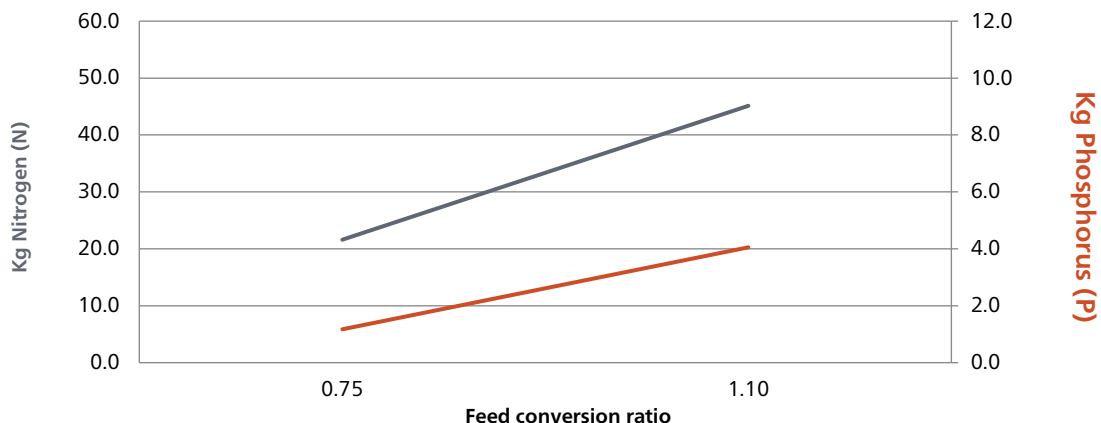
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	26 °C
50-100	3.0		0.85	1.03	1.25	1.51	1.82	2.21	2.67	3.23	2.90	
100-250	4.5	According to fish's appetite	0.66	0.80	0.97	1.17	1.42	1.72	2.08	2.51	2.26	According to fish's appetite & O2 level
250-500	6.0		0.57	0.69	0.83	1.01	1.22	1.47	1.78	2.16	1.94	
500-1000	6.0		0.40	0.48	0.58	0.70	0.85	1.03	1.24	1.50	1.35	
1000-2000	6.0		0.26	0.31	0.38	0.46	0.55	0.67	0.81	0.98	0.88	

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## ECOLOGICAL FIGURES:

### Discharge per 1000 kg production



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For the exact values we refer to the label.

- For semi-intensive farming
- Good performance
- Optical feeding control



## COMPOSITION:

### Analyses (%)

Protein	38	4.5 mm
Fat	8	6.0 mm
Crude fibre	2.5	8.0 mm
Ash	9.7	
Total P	1.12	
Astaxanthin (mg/kg)	25	

### Sizes

### Vitamins added

Vitamin A (IE/kg)	10000
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### Energy (MJ/kg)

Gross Energy	18.1
Digestible Energy	15.2

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

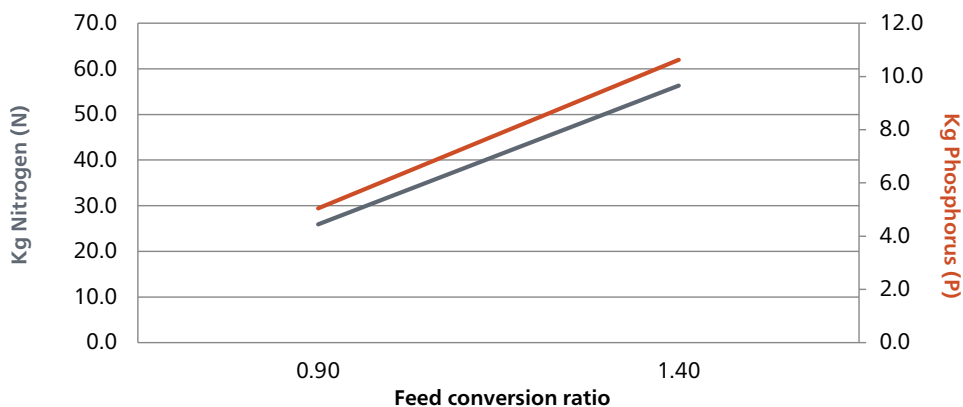
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
100-250	4.5		0.70	0.85	1.03	1.24	1.50	1.82	2.20	2.66	2.39	
250-500	6.0	According to fish's appetite	0.60	0.73	0.88	1.07	1.29	1.56	1.89	2.28	2.05	According to fish's appetite & O2 level
500-1000	6.0		0.42	0.51	0.61	0.74	0.90	1.09	1.31	1.59	1.43	
1000-2000	8.0		0.27	0.33	0.40	0.49	0.59	0.71	0.86	1.04	0.93	

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## ECOLOGICAL FIGURES:

### Discharge per 1000 kg production



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For the exact values we refer to the label.





- Broodstock diet
- Optimal egg development
- High egg quality and fry survival

## COMPOSITION:

Analyses (%)		Sizes
Protein	48	6.0 mm
Fat	15	9.0 mm
Crude fibre	1.2	
Ash	10.2	
Total P	1.68	
Astaxanthin (mg/kg)	40	

### Vitamins added

Vitamin A (IE/kg)	25000
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### Energy (MJ/kg)

Gross Energy	20.1
Digestible Energy	17.9

## FEEDING TABLE FOR LOW FEED CONVERSION RATIO (FCR)

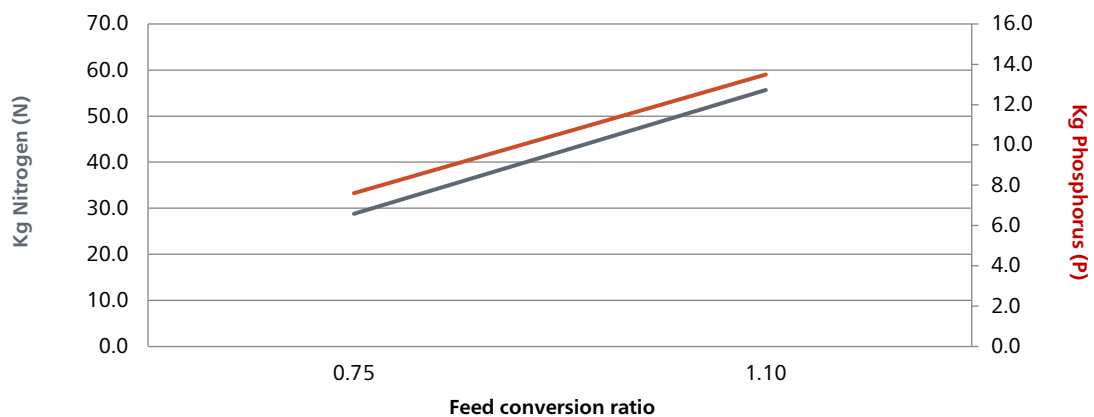
Fish weight (g)	Feed size (mm)	< 10 °C	10 °C	12 °C	14 °C	16 °C	18 °C	20 °C	22 °C	24 °C	26 °C	> 26 °C
> 1500	6.0/9.0	According to fish's appetite	0.22	0.27	0.32	0.39	0.47	0.57	0.69	0.83	0.75	According to fish's appetite & O2 level

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## ECOLOGICAL FIGURES:

Discharge per 1000 kg production



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