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Analysis EASU EAST EASU EAST EASU EAST EAST EAST EAST EAST EAST EAST EAST	Minimum amount of protein of prot		P	hysica	al cha	racter	istics	and a	nalyse	es of r	ainbo	w trou	ıt food	ds		
The protection   Section   Section	Minimum amount of fat   15   15   15   15   15   15   15   1	Type of food Analysis	EXS0	EXS 1	EXS2	EXS3	EXS4	EXS5	EXF1	EXF2	EXG1	EXG2	EXG3	EXG4	EXB1	EXB2
The state of the line of the	Minimum mount of fiber   1.5   1.5   1.5   1.5   1.5   2   2   2.5   2.5   3   3   3   3   3   3.5   3.5	Minimum amount of prottein	50	50	50	48	46	44	42	40	38	36	36	35	36	38
Maximum   10   10   10   10   10   10   10   1	Maximum   Maxi	Minimum amount of fat	15	15	15	15	15	15	15	16	16	16	17	17	14	14
Fish's size (g)   Larva   Up to 0.5-1   1-3   3-5   5-10   10-20   20-40   40-120   120-250   250	Frood's size (mm)   0.1-0.4   0.4-0.7   0.7-1   1±0.2   1.5±0.2   2±0.2   2.5±0.2   3±0.3   4±0.3   5±0.3   6±0.3   8±0.5   10±0.5    Fish's size (g)   Larva   Up to   0.5-1   1-3   3-5   5-10   10-20   20-40   40-120   120-250   250	Minimum amount of fiber	1.5	1.5	1.5	1.5	2		2.5	2.5	3	3	3	3	3.5	3.5
Fish's size (g)   Larva   Up to 0.5   0.5-1   1-3   3-5   5-10   10-20   20-40   40-120   120-250   250	Fish's size (g)   Larva   Up to 0.5   1 - 3   3 - 5   5 - 10   10 - 20   20 - 40   40 - 120   120 - 250   250   and above   Maintenance   Breeding period   Period		10	10	10	10	10	10	10	10	10	10	10	10	10	10
Daily feeding percentage in various temper atures           EXSO EXS1 EXS2 EXS3 EXS4 EXS5 EXF1 EXF2 EXG1 EXG2 EXG3 EXG4           6-8         3.5         3.5         3.1         2.9         2.7         2.5         1.8         1.6         1.3         1.2         1.2         1.2           8-10         4         4         3.5         3.2         3         2.9         2.1         1.9         1.6         1.4         1.4         1.4           10-12         5         5         4.4         3.9         3.5         3.5         2.3         2.1         1.9         1.6	Type of food   EXS   EXS   EXS   EXS   EXS   EXS   EXF   EXF   EXF   EXG   E	Food's size (mm)	0.1-0.4	0.4-0.7	0.7-1	1±0.2	1.5±0.2	2±0.2	2.5±0.2	3±0.3	4±0.3	5±0.3	6±0.3	8±0.5	8±0.5	10±0.5
Syperfood   Sex   Sex	Type of food         EXSO         EXSS1         EXSS2         EXSS3         EXSS5         EXF1         EXF2         EXG1         EXG2         EXG3         EXG4         FXG2         EXG3         EXG4         FXG2         EXG3	Fish's size (g)	Larva	Up to	0.5- 1	1-3	3-5	5- 10	10- 20	20. 40	40- 120	120, 250	250	500	Maintenance	Breeding
6-8       3.5       3.5       3.1       2.9       2.7       2.5       1.8       1.6       1.3       1.2       1	6-8       3.5       3.5       3.1       2.9       2.7       2.5       1.8       1.6       1.3       1.2       1			0.5				ري. في	10 20	20-40	40- 120	120-230	and above	and above	period	period
8-10	8-10			0.5										and above	period	period
10-12	10-12	Type of food	YEVE		Daily f	eeding	gperc	entag	e in va	rious	temp	er`atu	res			period E
10-12       5       5       4.4       3.9       3.5       3.5       2.3       2.1       1.9       1.6       1.	10-12	Type of food  Water temperature	EXSO		Daily f	eeding	gperc	entag EXS5	e in va	erious EXF2	temp	er atu	res			onple in Iran
12-14 6 6 5 4.7 4.5 3.8 2.8 2.4 2.1 1.8 1.8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12-14   6   6   6   5   4.7   4.5   3.8   2.8   2.4   2.1   1.8   1.8   1.8   5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6 7 5 6 7 5 7 5	Type of food Water temperature 6-8	EXSO		aily f	eeding EXS3	gperc	entag EXS5	e in va EXF1	EXF2	temp EXG1	er atu	res EXG3	EXG4	mals'	adouble od in Iran
14-16 6 6 6 5.5 5.2 4.1 3.5 3 2.4 2 2 2 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Type of food Water temperature  6-8  8-10	EXSO		aily f	eeding 2.9 3.2	perc EXS4 2.7	entag 2.5 2.9	e in va 1.8 2.1	EXF2 1.6	temp 1.3 1.6	er atu  1.2  1.4	1.2 1.4	1.2 1.4	animals'	adouble od in Iran
		Type of food Water temperature 6-8  8-10  10-12	EXSO	3.5 4	aily f	eeding 2.9 3.2 3.9	2.7 2.7 3 3.5	entag 2.5 2.9 3.5	e in va 1.8 2.1 2.3	1.6 1.9 2.1	temp 1.3 1.6 1.9	er atu 1.2 1.4 1.6	1.2 1.4 1.6	1.4 1.6	animals'	adouble od in Iran
		Type of food Water temperature 6-8 8-10 10-12 12-14	EXSO	3.5 4	3.5 4.4 5	eeding 2.9 3.2 3.9 4.7	2.7 2.7 3.5 4.5	entag 2.5 2.9 3.5 3.8	e in va 1.8 2.1 2.3 2.8	1.6 1.9 2.1	temp 1.3 1.6 2.1	er atu 1.2 1.4 1.6	1.2 1.4 1.6	1.4 1.6	st aquatic animals'	adouble od in Iran

## Note1:

Daily feeding times

The mentioned tables are presented for instruction and may vary with the fishes and farms conditions. Note 2:

The feeding times are highly associated with the oxygen percentage and the farm water temperature.





## Kimiyagaran-e Taghziyeh

After 15 years of working in the livestock, poultry, and aquatic animals industry, the managers of Kimiyagaran-e Taghzi-yeh Company planned to establish one of the most modern factories for the production of livestock, poultry, and aquatic animals' feed in 2005 to supply a part of Iran's requirements in this regard. The construction of the factory was completed in 2009, thus, the process of producing and supplying products into the market started in the same year. Kimiyagaran-e Taghziyeh factory is located on a land tract with an area of 20,000 m² in Shahr-e Kord industrial zone. This factory enjoys modern and advanced production equipment and well-equipped quality control, research, and development laboratory. Various types of feed are produced by the research and development team and the cooperation of proficient university professors. Then, they are examined and tested in the pilot and research farms. Finally, they go into mass production proportionate to the regional needs.

## **Trout Feed**

The specialists in Kimiyagaran-e Taghziyeh Company provided four groups of feed for the Trout fish taking into account their nutrition physiology and needs

1-EXS: Extruded Trout Starter

2-EXF: Extruded Trout Per Grower
3-EXG: Extruded Trout Grower
4-EXB: Extruded Trout Brood Stock
☐ All four groups of feeds mentioned earlier were analyzed, formulated, and produced with respect to the require-
ments of hatchings and on the basis of the latest scientific findings, which increases the growth and at the same time re-
duces the feed conversion ratio (FCR)
☐ This feed is produced from the best raw materials and enjoys high-quality minerals, vitamins, amino acids, etc. that
guarantee the health and survival of the fish.
☐ The diameter and size of the feeds are proportionate to the diameter and size of the fish mouth such that they can
easily eat the feed.
☐ The protein requirement is regulated and balanced at each stage on the basis of the requirements and nutrition physi-
ology of fish. In case the level of protein requirement is not controlled, the fish will use the proteins, which are valuable
and costly, as the source of energy that increases the cost of production. Consequently, it imposes an extra cost to the
aquaculture farmers, plus they cause marine pollution due to protein decomposition.