Kimiyagaran-e-Taghziyeh

Animal, Poultry and Aquatic Feed Production Complex

Physical characteristics and analyses of rainbow trout foods

Type of food / Analysis	EXS0	EXS1	EXS2	EXS3	EXS4	EXS5	EXF1	EXF2	EXG1	EXG2	EXG3	EXG4	EXB1	EXB2
Minimum amount of prottein	50	50	50	48	46	44	42	40	38	36	36	35	36	38
Minimum amount of fat	15	15	15	15	15	15	15	16	16	16	17	17	14	14
Minimum amount of fiber	1.5	1.5	1.5	1.5	2	2	2.5	2.5	3	3	3	3	3.5	3.5
Maximum humidity	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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
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 and above	500 and above	Maintenance period	Breeding period

Daily feeding percentage in various temper`atures

Type of food / Water temperature	EXS0	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	1.6	1.6
12- 14	6	6	5	4.7	4.5	3.8	2.8	2.4	2.1	1.8	1.8	1.8
14- 16	6	6	6	5.5	5.2	4.1	3.5	3	2.4	2	2	2
16- 18	5	5	5.5	5	4.9	4	3.9	2.9	2.2	1.9	1.9	1.9
Daily feeding times	16	16	14	12	10	8	7	6	5	4	4	4

The first aquatic animals' food producer with double axis extruder method in Iran

Note1:

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 .

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Certificate Nr. 17-Q-100654-TIC

INTERCERT ISO 22000:2018
Certificate Nr. 17-F-1002654-TIC

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Kimiyagaran-e Taghziyeh

After 15 years of working in the livestock, poultry, and aquatic animals industry, the managers of Kimiyagaran-e Taghziyeh 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 m^2 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 requirements of hatchings and on the basis of the latest scientific findings, which increases the growth and at the same time reduces 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 physiology 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.

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