

Biotechnics of cultivation of aquaculture's valuable objects in conditions of basin farm

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Sturgeon fishes take a special place in aquaculture. During the last decade natural reproduction of sturgeon fishes has been on the brink of extinction.

Currently the development of sturgeon farming can become a solution to provide population with sturgeons' protein which is in short supply.

Fish farm "Royal Fish" which has been organized on the territory of Southeastern Kazakhstan is engaged in cultivation of sturgeon fishes, particularly Siberian and Russian sturgeons.

The total duration of whitebaits' cultivation took 150 days : from May till December. Sturgeons' whitebaits have been fed by Danish food "Aller Aqua" from 4 to 5 times per day. The norm of food introduction depended on fishes' body mass and the temperature of water in pools. The temperature of water in basins was optimal and stable - 18°C-19°C.

At this water temperature the daily norm of feeding was 15% from fishes' total body mass. The content of dissolved oxygen in the water has been held at the level of 7 mg/l, pH – 6,5-7. The full water exchange in basins has been taking 20-25 minutes. In 5 months of intensive feeding sturgeon fishes' whitebaits have grown from initial body mass of 50 g to 283 g in average. An absolute survival of sturgeon fishes' fingerlings was 90%. The Fulton's coefficient of condition was 2,6.