

Ornamental fishes

11. WEEK: FEEDING, REPRODUCTION, LARVA AND FRY REARING FOR FRESHWATER ORNAMENTAL FISHES

WEEKLY TOPICS (CONTENT)

1. Week	Ornamental fishes: General information
2. Week	Information on commercially valuable ornamental fish species
3. Week	Biology of ornamental fish (freshwater, brackish-water and marine, species.
4. Week	Popular ornamental fish species for culture.
5. Week	Candidate ornamental fish species for culture.
6. Week	Culture environment.
7. Week	Physical, chemical and biological requirements of Ornamental fish
8. Week	Freshwater ornamental fish keeping
9. Week	Brackishwater fish species keeping.
10. Week	Marine ornamental fish keeping.
11. Week	Feeding, reproduction, larva and fry rearing for freshwater ornamental fishes.
12. Week	Feeding, reproduction, larva and fry rearing for Brackshwater ornamental fishes.
13. Week	Feeding, reproduction, larva and fry rearing for marine ornamental fishes.
14. Week	Ornamental fish welfare and sustainable culture practices.

Feeding, reproduction, larva and fry rearing for freshwater ornamental fishes

Feeding

Food source selection

Food types

Artificial foods

Manufactured foods

Make your own foods for freshwater ornamental fishes

Food palatability

Feeding, reproduction, larva and fry rearing for freshwater ornamentalfishes

Feeding

Larval feeding

Fry feeding

Growth out period

Broodstock feeding

Feeding, reproduction, larva and fry rearing for freshwater ornamental fishes

Feeding

Terrestrial Plant based foods

Aquatic plant based foods

Terrestrial animal muscle-carcass based foods

Aquatic animal muscle-carcass based foods

Terrestrial plant by product based foods

Aquatic plant by product based foods

Terrestrial animal by product muscle-carcass based foods

Aquatic animal by product muscle-carcass based foods

Feeding, reproduction, larva and fry rearing for freshwater ornamental fishes

Feeding

Live foods

Squid

Shrimp

Gammarus

Rotifer

Infusaria

Artemia

Feeding, reproduction, larva and fry rearing for freshwater ornamental fishes

Reproduction

Broodstock selection

Sex determination

Artificial methods for maturation

Hormonal manipulations

Oocyte size measurements

Sperm motility

Spawning and fertilization

incubation

Feeding, reproduction, larva and fry rearing for freshwater ornamental fishes

Larva and fry rearing

Static water

Green water

Water exchange rate

Stocking rate

Feeding rate

Growth parameters

Calculations of growth parameters

Growth out period

Tank size and shapes

References

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De Silva, S. S., & Anderson, T. A. (1994). *Fish nutrition in aquaculture* (Vol. 1). Springer Science & Business Media.

Steffens, W. (1989). *Principles of fish nutrition*. Ellis Horwood Limited.

Zohar, Y. (1989). Fish reproduction: its physiology and artificial manipulation. *Fish culture in warm water systems: problems and trends*, 65-119.