

Ornamental fishes

7. WEEK: PHYSICAL, CHEMICAL AND BIOLOGICAL REQUIREMENTS OF ORNAMENTAL FISH

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.

Physical, chemical and biological requirements of Ornamental fish

Physical requirements

Light

Light types

Timing

Physical, chemical and biological requirements of Ornamental fish

Physical requirements

Temperature

Temperature manipulations

Temperature balance

Physical, chemical and biological requirements of Ornamental fish

Physical requirements

Colour

Transparency

Clear water

Coloured water

Physical, chemical and biological requirements of Ornamental fish

Physical requirements

Total suspended solids

Measurement techniques for TSS

Critic levels

Best practices



Physical, chemical and biological requirements of Ornamental fish

Chemical requirements

Oxygen

pH

Saturation

Ammonia

Ammonium

Nitrite

Nitrate

Minerals

Physical, chemical and biological requirements of Ornamental fish

Biological requirements

Bacteria

Fungus

Nematodes

Detritus

Plankton

Phytoplankton

Zooplankton

References

Boyd, C. E. (1982). Water quality management for pond fish culture. Elsevier Scientific Publishing Co..

Hunter, G. A., & Donaldson, E. M. (1983). 5 Hormonal Sex Control and its Application to Fish Culture. In Fish physiology (Vol. 9, pp. 223-303). Academic Press.