

# Ornamental fishes

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13. WEEK: FEEDING, REPRODUCTION, LARVA AND FRY REARING FOR MARINE ORNAMENTAL FISHES

# WEEKLY TOPICS (CONTENT)

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

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

Feeding

Food source selection

Food types

Artificial foods

Manufactured foods

Make your own foods for marine ornamental fishes

Food palatability

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

Feeding

Larval feeding

Fry feeding

Growth out period

Broodstock feeding

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Feeding, reproduction, larva and fry rearing for marine 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



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

Feeding

Live foods

Squid

Shrimp

Gammarus

Rotifer

Infusaria

Artemia

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

Reproduction

Broodstock selection

Sex determination

Artificial methods for maturation

Hormonal manipulations

Oocyte size measurements

Sperm motility

Spawning and fertilization

incubation



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Feeding, reproduction, larva and fry rearing for marine 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.

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