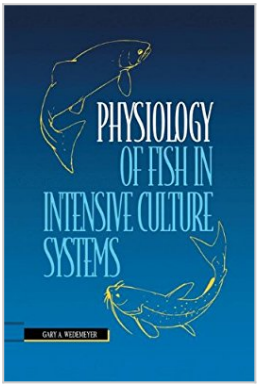

Physiology of Fish in Intensive Culture Systems

By Gary A. Wedemeyer

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Fish culture in hatcheries and other aquacultural facilities is becoming much more intensive all over the world. The success of all kinds of fish rearing depends on the quality of management and this depends, in turn, on understanding the biology of fishes and the aquatic environment in which they live. This book directly addresses the relationship between the aquatic environment and the fishes. An understanding of this by the reader will result in a reduction of disease outbreaks through improved management.

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Physiology of Fish in Intensive Culture Systems By Gary A. Wedemeyer Bibliography

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Editorial Review

From the Back Cover
This exciting new reference offers a wealth of practical and technical information on the chemical, physical, and biological effects of intensive rearing conditions on hatchery fish, and the adverse effect these factors can have on their health and physical condition. A unique combination of theory and practical applications is presented throughout the book, providing the scientific basis for managing water quality, fish cultural procedures, and the biological interactions of the fish being produced to prevent diseases and costly production losses. The book begins with a discussion of the physiological functioning of fish under normal conditions. It then explains the interactions between fish and the chemical factors in the rearing environment, including effects of the algal toxins that currently cause serious economic losses in freshwater and marine aquaculture operations world-wide. The next chapter covers the physiological effects of common fish cultural procedures, with emphasis on crowding (density tolerance), handling, and transportation, and effects on smolt development of anadromous salmonids. This section is followed by a discussion of the stress and disease problems that can result from biological interactions between the fish themselves and between fish and facultative and obligate microbial pathogens present in the rearing environment. Emphasis is on methods of preventing stress and disease problems in this section. The book concludes by exploring the biological, physical, and chemical methods of minimizing the fish pathogen load in hatchery water supplies. Thorough and complete, this indispensable resource provides professionals in fishery, biology, aquaculture, and naturalresource management with the basic technical knowledge needed to improve management of the interactions between fish and the chemical, physical, and biological factors in the rearing environment. In addition, this book will serve as a useful text for undergraduate and graduate students enrolled in fishery, biology, and zoology.

Users Review

From reader reviews:

Jeremiah Burroughs:

Now a day individuals who Living in the era where everything reachable by talk with the internet and the resources inside it can be true or not call for people to be aware of each info they get. How people have to be smart in having any information nowadays? Of course the solution is reading a book. Reading a book can help individuals out of this uncertainty Information mainly this Physiology of Fish in Intensive Culture Systems book because book offers you rich details and knowledge. Of course the knowledge in this book hundred % guarantees there is no doubt in it as you know.

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Kristy Lange:

In this particular era which is the greater person or who has ability to do something more are more important than other. Do you want to become certainly one of it? It is just simple way to have that. What you must do is just spending your time very little but quite enough to experience a look at some books. Among the books in the top list in your reading list is actually Physiology of Fish in Intensive Culture Systems. This book which is qualified as The Hungry Inclines can get you closer in turning out to be precious person. By looking right up and review this e-book you can get many advantages.

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