

1. Record Nr.	UNINA9910626105503321
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Titolo	A manual for tilapia business management // Ram C. Bhujel
Pubbl/distr/stampa	Wallingford, England ; ; Boston, Massachusetts : , : CABI, , 2014 ©2014
ISBN	1-78924-419-6 1-78064-137-0
Descrizione fisica	1 online resource (213 p.)
Disciplina	639.3 639.311 639.3772
Soggetti	Tilapia Fish hatcheries Fish culture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; Abbreviations/Acronyms; 1 Introduction; 1.1 Tilapia Culture; 1.2 The Importance of Tilapia; 1.3 Production of Tilapia; 1.4 Feeding Behaviour; 1.5 Reproductive Behaviour and Breeding Techniques; 2 Tilapia Hatchery; 2.1 Introduction; 2.2 Hatchery Plan; 2.3 Site Selection and Development; 2.4 Broodstock Source and Management; 2.5 Egg Collection and Incubation; 2.6 Monosex Fry Production; 3 Fry Nursing; 3.1 Background; 3.2 Advanced Nursing; 3.3 Fry Marketing and Sales; 3.4 Final Grading and Preparation; 3.5 Fry Conditioning; 3.6 Acclimatization to Salinity and Low Temperature 3.7 Health Certification 3.8 Seed Quality Test and Certification; 3.9 Packing; 3.10 Transportation; 3.11 Data Recording and Performance Evaluation; 3.12 Economic Analysis; 4 Grow-out in Ponds; 4.1 Introduction; 4.2 Pond Preparation; 4.3 Feeding; 4.4 Subsequent Pond Fertilization; 4.5 Fish Sampling; 4.6 Fish Harvest and Marketing; 4.7 Data Recording and Performance Evaluation; 4.8 Economic Models; 5 Grow-out in Cages; 5.1 Background; 5.2 Site Selection and Planning; 5.3 Cage Design; 5.4 Fry Nursing for Cage Culture; 5.5 Stocking; 5.6 Feeding; 5.7 Water Quality Monitoring; 5.8 Cage Fouling

5.9 Sampling and Harvesting; 5.10 Socioeconomic Analysis; 6 Polyculture; 6.1 Introduction; 6.2 Feeds and Feeding; 6.3 Harvesting; 6.4 Socioeconomics; 7 Integrated Farming; 7.1 Introduction; 7.2 Chicken-Fish Farming; 7.3 Duck-Fish Farming; 7.4 Pig-Fish Farming; 7.5 Tilapia with Rice; 7.6 Tilapia with Vegetables and Fruits; 7.7 Crop-Livestock-Fish Farming; 7.8 Conclusions; 8 Fish Health Management and Biosecurity; 8.1 Fish Health Management; 8.2 Diseases of Tilapia; 8.3 Parasites; 8.4 Biosecurity; 8.5 Zoonosis; 8.6 Tilapia as an Invasive or Alien Species; 8.7 Biosecurity Measures (GAP, BAP, BMP, HACCP, etc.); 9 Post-harvest Handling: Marketing and Processing; 9.1 Preparation for Harvesting; 9.2 Tilapia Harvest; 9.3 Off-flavour Problem; 9.4 Grading; 9.5 Fish Sale; 9.6 Post-harvest Handling and Processing; 9.7 Preservation and Value Addition; 9.8 By-products; 9.9 Food Safety and Quality Control; 9.10 Quality Certification; 9.11 Organic Certification; 9.12 Export Markets; 10 Business Models and Plan; 10.1 Business Models; 10.2 Management of Risks; 10.3 Production Targets and Scenario Comparison; 10.4 Economies of Scale; 10.5 Financing Plan; 10.6 Human Resource Plan; Conclusions; Recommendations; References; Index; A; B; C; D; E; F; G; H; I; M; P; R; S; T; V; W; Y; Z

Sommario/riassunto

Tilapias are an increasingly important farmed fish for human consumption. Hailed as an important source of protein for growing populations, production is set to double within the next ten years and expand beyond traditional areas of production in Africa and Asia. With a practical focus, this book is aimed at tilapia farmers and producers, describing best practice production methods, egg management, new technologies, nutrition, business practices, marketing, equipment maintenance, accounting and logistics.
