

production

- 12 Liming Materials For Aquaculture
Claude E. Boyd, Ph.D.
- 14 Shrimp Sampling Method Improves Stocking Process
*Andrew J. Ray, M.S.; Jeffrey M. Lotz, Ph.D.;
Jeffrey F. Brunson, M.S.; John W. Leffler, Ph.D.*
- 16 Oyster Output Affected By Environmental
Features Of Farm Site
*Darien D. Mizuta, Nelson Silveira Júnior, Christine E. Fischer,
Daniel Lemos*
- 19 Uncharted Waters: Kenya Takes Dramatic
Leap In Aquaculture
Jeff Hino
- 22 India's Fish Feed Industry – Growing Sector
Can Support Aquaculture Diversity, Development
P. E. Vijay Anand, Ph.D.; Michael C. Cremer, Ph.D.
- 26 Tilapia Farming Faces Expansion Issues In Thailand
Ram C. Bhujel, Ph.D.; Mark Woollard
- 30 Working With Fish – Limit Zoonotic Diseases
Through Prevention
Stephen A. Smith, DVM, Ph.D.
- 34 Bacterial Diseases Cause Granulomas In Fish –
Varied Staining Methods Identify Pathogens
Wes A. Baumgartner, DVM, Dipl. ACVP; John Hawke, Ph.D.
- 37 Boston Session Examines 'What Fish Eat'
Kelly Coleman
- 40 American Fisheries Society Calls
For Immediate-Release Fish Sedatives
James Bowker, M.S.; Jesse Trushenski, Ph.D.
- 42 Potassium Diformate Doesn't Affect Shrimp Growth,
Survival; Reduces Nutrient Digestibility
*Dong-Fang Deng, Ph.D.; Zhi Yong Ju, Ph.D.;
Warren G. Dominy, Ph.D.; Peter J. Bechtel, Ph.D.;
Scott Smiley, Ph.D.*
- 46 Common Off-Flavors In Channel Catfish
Following Partial Pond Harvest
Kevin K. Schrader, Ph.D.; Craig S. Tucker, Ph.D.
- 50 U.S. Catfish Industry Production Shifts Continue
James A. Steeby, Ph.D.

marketplace

- 52 Survey Examines Perceived Barriers, Strategies
For U.S. Aquaculture Development
Saba Siddiki; Christopher M. Weible, Ph.D.
- 55 Figures Confirm: Chilean Salmon Is Back
Jorge Diaz Salinas
- 56 Off-Flavors In Aquacultured Products –
Part II: Environmental, Endogenous Factors
George J. Flick, Jr., Ph.D.
- 58 Diversification Of The Aquaculture Sector – Seaweed
Cultivation, Integrated Multi-Trophic Aquaculture,
Integrated Sequential Biorefineries
*Dr. T. Chopin, Dr. A. Neori, Dr. A. Buschmann;
Dr. S. Pang, M. Sawhney*
- 61 Shrimp Disruptions Continue, Supply Delays Expected
Whole Salmon, Fillet Imports To U.S. Down
Whole Tilapia Stay Low, Costa Rica Fillets Drop
Pangasius Imports Grow As Replacement Costs Rise
Paul Brown, Jr.; Janice Brown; Angel Rubio

innovation

- 65 Testing Finds Resistance To WSSV In Shrimp
From Panamanian Breeding Program
*Jorge Cuéllar-Anjel; Roberto Chamorro; Brenda White-Noble;
Paul Schofield; Donald V. Lightner, Ph.D.*
- 67 Norwegian Salmon Smolt Farms Embracing RAS
To Raise Production
Ashjorn Drengstig, Yngve Ulgenes, Helge Liltved, Ashjorn Bergheim
- 70 New Techniques, Peptide Treatments Aid
Intensive Shrimp Farm In Ecuador
Mark Rottman
- 72 Single-Cell Detritus: Fermented Bioenriched
Feed For Marine Larvae
Dr. S. Felix, P. Pradeepa
- 74 Novel Soy Proteins, Oils Replace Fishmeal To Achieve
FIFO Under 1:1 In Amberjack
Jennica Lowell, M.S.; Neil Anthony Sims, M.S.; Tom Clemente, Ph.D.
- 76 Photo-Based Color Evaluation Can Enhance
Catfish Fillet Quality
David Cline
- 78 Nitrifier Product Improves Nitrification In RAS
David D. Kuhn, Ph.D.; David J. Drabos
- 80 Essential Oils Increase Weight Gain In Channel Catfish
*Brian C. Peterson, Ph.D.; Brian G. Bosworth, Ph.D.;
Monica L. Wood; Menghe H. Li, Ph.D.; Ruben Beltran, M.S.*
- 83 Labomar Study Defines Optimal Dietary Lipid,
Energy Content For Fat Content
*Alberto J. P. Nunes, Ph.D.; Ricardo C. C. Pinto, M.S.,
Marcelo V. C. Sá, Ph.D.*