Highlighted publications have been archived.

**Fact Sheets**

#101 - Making Plans for Commercial Aquaculture in the North Central Region, 1992, D. Garling (Michigan State University)

#102 - Pond Culture of Walleye Fingerlings, 1992, *L. Harding, C. Clouse, R. Summerfelt, and J. E. Morris (Iowa State University)*

# #103 - Choosing an Organizational Structure for

Your Aquaculture Business, 1992, *S. Kohler and D. Selock (Southern Illinois University-Carbondale)*

# #104 - Transportation of Fish in Bags, 1993, *L.*

Swann (Purdue University)

#105 - Use and Application of Salt in Aquaculture, 1992, *L. Swann and S. Fitzgerald (Purdue University)*

# #106 - Pond Culture of Channel Catfish in the North Central Region, 1993, *J. E. Morris (Iowa State University)*

# #107 - Pond Culture of Hybrid Striped Bass in

the North Central Region, 1999, J. E. Morris (Iowa State University), C. Kohler (Southern Illinois University- Carbondale) and C. C. Mischke (Iowa State University)

# #108 - Trout Culture in the North Central Region,1993, K. Cain and D. Garling (Michigan State University)

#110 - Marketing Seafood to Restaurants in the North Central Region, 1999, *J. R. Riepe (Purdue University)*

# #111 - Costs of Pond Production of Yellow Perch

in the North Central Region, 1994-95, 1997, *J. R. Riepe (Purdue University)*

# #112 - Supermarkets and Seafood in the North

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#113 – What is Whirling Disease?, 2004, *M. Faisal and D. Garling (Michigan State University)*

# #114 - Feeding Tilapia in Intensive Recirculating

Systems, 2003, *M. Riche (Northwest Indian College) and*

D. Garling (Michigan State University)

# #115 – Biosecurity for Aquaculture Facilities in the North Central Region, 2009, *Glenda Dvorak,*

DVM, MPH, DACVPM (Iowa State University)

# #116 – Production of Walleye as Potential Food Fish, 2010, *R. C. Summerfelt, R. D. Clayton (Iowa State University, J. A. Johnson (Iowa Department of Natural Resources), and R. E. Kinnunen (Michigan State University)*

# *New Fact Sheets*

# #120 – The Seafood HACCP Regulation and Its Effects on Aquaculture, 2019, R. *Kinnunen (Michigan State University)*

# #121 – Aquatic Invasive Species HACCP in Baitfish and Aquaculture Operations, 2019, R. *Kinnunen (Michigan State University) and N. Phelps (University of Minnesota)*

# #122 – Leadership Development Training for Aquaculture Producers, 2019*, C. Engle (Engle-Stone Aquatic$ LLC), K. Quagrainie (Purdue University), M. Smith (Ohio State University), C. Weeks (Global Aquaculture Alliance) and P. Zajicek (National Aquaculture Association)*

# #123 – Instilling a Culture of Safety in Aquaculture, 2020, *A. Garcia (South Dakota State University)*

# #124 – Small Scale, Year-Round Shrimp Farming in Temperate Climate, *In Layout, R. Ray (Kentucky State University) and R. Rode (Purdue University)*

# #125 – Renovations of Existing Livestock Facilities for Aquaculture, 2020, *R. Rode and A. Heber (Purdue University)*

# #126 – Understanding Fish Feed Labels, 2020, *A. Garcia (South Dakota State University)*

# #127 – Understanding the Veterinary Feed Directive Order in Aquaculture, 2020, *P. Gaunt, Mississippi State University*

# #128 – Buildings for Aquaculture Operations, In Progress*, C. Hicks (Lincoln University) and B. Pierce (University of Missouri)*

# #129 – Introduction to Aquaculture in the NCR, In Progress, *M. Smith (Ohio State University)*

# **Technical Bulletins**

# #101 - Aquaculture Law in the North Central States: A Digest of State Statutes Pertaining to the Production and Marketing of Aquacultural

Products, 1990, S. Thomas, R. Sullivan, R. Vertrees, and D. Floyd (Ohio State University)

# #102 - A Basic Overview of Aquaculture: History,

Water Quality, Types of Aquaculture, Production Methods, 1992, *L. Swann (Purdue University)*

#103 - North Central Region 1990: Salmonid Egg and Fingerling Purchases, Production, and Sales, 1992, *R. Kinnunen (Michigan State University)*

#104 - Survey of Wholesale and Retail Buyers in the Six Southern States of the North Central Region, 1993, *L. Hushak, C. Cole, and D. Gleckler (Ohio State University)*

# #105 - The Bait Industry in Illinois, Michigan, Minnesota, Ohio, South Dakota, and Wisconsin,

1997, T. Meronek (Georgia Department of Natural Resources), F. Copes and D. Coble (University of Wisconsin-Stevens Point)

# #106 - Factors to Consider in Establishing a

Successful Aquaculture Business in the North Central Region, 1993 *F. Lichtkoppler (Ohio State University)*

# #107 - Niche Marketing Your Aquaculture

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# #110 - Cage Culture of Fish in the North Central

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# #111 - Enterprise Budgets for Yellow Perch

Production in Cages and Ponds in the North Central Region, 1994/95, 1997, *J. R. Riepe (Purdue University)*

# #112 - Culture Potential of Selected Crayfishes

in the North Central Region, 1997, *P. Brown (Purdue University) and J. Gunderson (University of Minnesota)*

# #113 - Walleye Markets in the North Central

Region: Results of a 1996/97 Survey, 1998, *J. R. Riepe (Purdue University)*

# #114 - Plankton Management for Fish Culture

Ponds, 1999, J. E. Morris and C. C. Mischke (Iowa State University)

# #115 - Biology, Prevention, and Effects of

Common Grubs (Digenetic trematodes) in Freshwater Fish, 2000, *R. L. Lane and J. E. Morris (Iowa State University)*

#116 – Aquaculture Potential for Hornyhead Chubs, 2010, *J. Gunderson, P. Tucker and C. Richards (Minnesota Sea Grant)*

# #117 - Fish-Farm Business Plan Workbook,

2002, S. Daily, D. Seloc and S. Kohler (Southern Illinois University-Carbondale)

# #119 – Aquaculture Effluents and Waste By-

Products: Characteristics, Potential Recovery, and Beneficial Reuse, 2004, *S. E. Yeo, F. P.*

Binkowski (University of Wisconsin – Milwaukee) and J. E. Morris (Iowa State University)

# #121 - Farm-based Production Parameters and

Breakeven Costs for Yellow Perch Grow-out in Ponds in Southern Wisconsin, 2008, *J. A. Malison and J. A. Held (University of Wisconsin-Madison)*

# #122 - Processing Aquaculture System Biosolids by Worm Composting – Vermicomposting, 2010,

S. E. Yeo and Fp. P. Binkowski (University of Wisconsin- Milwaukee)

# #123 – An Overview of Aquaponic Systems:

Hydroponic Components, 2017, *D.A. Pattillo (Iowa State University)*

# #124 – An Overview of Aquaponic Systems:

Aquaponic Components, 2017, *D.A. Pattillo (Iowa State University)*

#125 – Production of Walleye as Potential Food Fish, 2019, *R. C. Summerfelt (Iowa State University), R.E. Kinnunen, Michigan State University, and J.A. Johnson (Iowa Department of Natural Resources)*

**NCRAC CD Series**

# #101 - Environmental Strategies for Aquaculture Symposium Proceedings, December 2000

62nd Midwest Fish and Wildlife Conference, Minneapolis, Minnesota. ($10.00)

#102 – Invertebrate Identification for Fish Culturists, 2003, *J. Boylan and J. Morris (Iowa State University) ($10.00)*

#103 – Aquaculture Effluents: Overview of EPA Guidelines & Standards and BMPs for Ponds, Raceways, and Recycle Systems, 2003, *R. C. Summerfelt and R. D. Clayton (Iowa State University)*

**NCRAC Culture Manual/Guide Series**

#101 - Walleye Culture Manual, 1996, *R. Summerfelt -*

#102 - Sunfish Culture Guide, 2002, *J. E. Morris, C. C. Mischke (Iowa State University), and D. Garling (Michigan State University)*

#103 - Yellow Perch Culture Guide, 2006, *D. Garling (Michigan State University)*

#104 - Hybrid Striped Bass Culture Guide, 2006, *R. Lane and C. Kohler (Southern Illinois University- Carbondale)*

# **Videos**

# **Webinar Series** (Iowa State University host, D. A. Pattillo)

# #1 – Aquaponics: How to Do It Yourself, 2016,

D.A. Pattillo (Iowa State University)

# #2 – FSIS Part I - Final Rule: Mandatory Inspection of Fish of the Order Siluriformes and Products Derived From Such Fish, 2016, *Curtis Eilers (Food Safety and Inspection Service)*

# #3 – The HACCP Approach to Prevent the

Spread of Aquatic Invasive Species by Aquaculture and Baitfish Operations, 2016, *D.A. Pattillo (Iowa State University)*

#4 – Branding Opportunities for Oyster Farmers, 2016/17, *D.A. Pattillo (Iowa State University)*

#5 – Indoor Shrimp Aquaculture, 2016/17, *Andrew Ray (Kentucky State University),*

# #6 – U.S. Farm-Raised Finfish and Shellfish 101,

2016/17, Linda O’Diern (National Aquaculture Association),

# #7 – Aquaculture Business Planning, 2016/17,

Matt Parker (University of Maryland),

# #8 – Antibiotic Resistance in Aquaculture, 2016/17*, Jesse Trushenski (Idaho Dept. of Fish & Game),*

# #9 – Regulatory Costs of U.S. Aquaculture

Business, 2016/17, Carole Engle (Engle- Stone Aquatic$ LLC

# #10 – FSIS Part II - Labeling Requirements for Siluriformes Fish and Fish Products, 2016/17, David Cline (United States Aquaculture Society),

# #11 – What You Need to Know About Biosecurity, 2016/17, *Roy Yanong (University of Florida)*

# #12 – What You Need to Know About Biosecurity Part II, 2016/17, *Roy Yanong (University of Florida)*

# #13 – Recreational Fish Pond Management, 2016/17, *James Shelton (University of Georgia)*

# #14 – Strengthening Aquaculture Associations, 2016/17, Presented by Carole Engle (Engle-Stone Aquatic$ LLC)

# #15 – Social Media: An Introduction for

Successful Use, 20/1617, Presented by Sarah Cornelisse (Penn State University),

#16 – Seafood in the Diet, 2016/17, *Doris Hicks (Delaware Sea Grant Marine Advisory Service,*

# #17 – Use of Veterinary Feed Directive Drugs in Aquaculture, 2016/17Pat Gaunt Mississippi State University),

# #18 – Fish Health: What You Need to Know as An Aquaculture Producer, 2016/17, *Presented by Nick Phelps (University of Minnesota),*

**Fish Health Series** (University of Minnesota host, A. Primus)

WQ Unit 1 Introduction, Introduction to Water Quality for Aquaculture

WQ Unit 2 BP1, Basic Water Quality Parameters 1

WQ Unit 3 BP2, Basic Water Quality Parameters 2

WQ Unit 4 BP3, Basic Water Quality Parameters 3

WQ Unit 5 Considerations, Considerations for Different Types of Water Systems Common to NCR

FH Unit 1, Introduction to Fish Health

FH Unit 2 Infectious Disease, Fish Health: Infectious Disease

FH Unit 3 Disease Prevention, Disease Prevention

FH Unit 4 Biosecurity, Fish health: Biosecurity and Prevention

FH Unit 5 Diagnostics, Fish Health: Diagnostic Techniques and Testing Measures

**Other Videos**

Aquatic vegetation management-ponds**.** *Morris, J.E., 2012. (Iowa State University),*

Water quality*. Tiu, L., 2014. (Video developed in* partnership with The Ohio State University.)

Yellow perch harvest. *Tiu, L. 2014. (Video developed in* partnership with The Ohio State University). 3.59 minutes.

# Video developed in partnership with The Ohio

State University. Tiu, L. 2014. (The Ohio State University

Spawning yellow perch*. Tiu, L. 2014. (Video developed* in partnership with The Ohio State University.)

Aquaculture biosecurity. *Held, J.A., 2014. (Video* developed in partnership with University of Wisconsin Extension.), 2015

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Many of the North Central Regional Aquaculture Center Fact Sheets and Technical Bulletins may be printed from the following web site: [www.ncrac.org/Publications/](http://www.ncrac.org/Publications/)

Videos related to aquaculture are available at [https://vimeo.com/channels/958980](https://vimeo.com/channels/958980%20) . Conference proceedings are at <https://www.ncrac.org/presentations>