



**Jim Held**  
**Aquaculture Outreach Specialist**  
*Southern Wisconsin*

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## Programming Areas

- Information and assistance for commercial, tribal and public sector aquaculture
- Contact, licensing and start-up planning for prospective fish farmers
- Planning, coordinating and implementing educational programs in all disciplines germane to aquaculture

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## Audience and Partners

- Current and prospective fish farmers, educators, students and interested others

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## Team Membership

- Northern Aquaculture Demonstration Facility

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## Educational Resources

### Publications

- 2006, Yellow Perch (*perca flavescens*) Culture Guide, NCRAC Culture Series #103, S.D. Hart, D.L. Garling and J.A. Malison eds.
- 2006, NCRAC Fact sheet series 112, Farm-based production parameters and breakeven costs for yellow perch grow-out in ponds in southern Wisconsin. J.A. Malison, and J.A. Held.
- 2004, Production characteristics of hybrid walleye (*Sander vitreus* female x *S. canadensis* male) reared to food size in ponds. In Proceedings of Percis III: The Third International Percid Fish Symposium. J.A. Held, J.A. Malison, and T.P. Barry.
- 1996, Walleye Culture Manual, NCRAC Culture Series #101, R.C. Summerfelt ed.

- 1992, Effects of fish size at harvest, initial stocking density and tank lighting conditions on the habituation of pond-reared yellow perch (*Perca flavescens*) to intensive culture conditions. Aquaculture 104: 67-88, Malison, J.A., and J.A. Held.

### **Workshops, Wislines and Other Programs**

- 2007, Pond Fertilization Workshop-Managing the Bloom, J.E. Morris, R. Fahey and J.A. Held.
- 2006, Managing nuisance aquatic plants. Presented at Wisconsin Aquaculture Conference. Fond du Lac, WI, J.A. Held.
- 2006, Feed-training walleye for advanced fingerling production. Presented at the Coolwater Fish Culture Workshop. 8-10 January 2006, Wisconsin Dells, WI, J.A. Held, S. Merson and R. Fahey.
- 2006, Early out-of-season production of yellow perch fingerlings. Presented at the Coolwater Fish Culture Workshop. 8-10 January 2006, Wisconsin Dells, WI, J.A. Held, and J.A. Malison.
- 2005, Spawning, incubation and hatching techniques for yellow perch and walleye. Presented at the Indiana Aquaculture Association annual conference. 26 March 2005, Indianapolis, IN, J.A. Held.

### **Online Tools**

- Not applicable

### **Research and Outreach**

- Not applicable