

The Poultry Decision Makers Workshop Series: Optimization and Forecasting for the Poultry Industry

NC STATE UNIVERSITY

DEPARTMENT OF
**POULTRY
SCIENCE**

Objectives

The objectives of this extension program are:

- To provide an overview of techniques used in Mathematical Modeling and in Operations Research to improve data management, knowledge discovery within each company, and economic efficiency of the integrated poultry industry.
- To promote mathematical modeling and Operations Research methods to advance in poultry nutrition, feeding, management, and understanding of complex production systems such as poultry vertically integrated companies.

Learning Opportunities

Classroom instruction

Interaction with:

- Poultry scientists with worldwide experience
- Industry personnel & consultants developing OR tools for poultry production

Laboratory exercises:

- Mathematical modeling and simulation with advance software.
- Practice with real data for specific applications.



**Classroom and Laboratory
Instruction**

Program Nov 11, 2010

8:00 Registration

8:45 Introductions and Opening Remarks

Edgar O. Oviedo-Rondón

North Carolina State University

9:00 Poultry Production Forecasting, a Holistic Exercise. **Simon Cohen**, *M-Tech Systems*

9:50 Animal Inventory Management, Agrisoft|AIM
Becky Stone, *Agrisoft/CMC*

10:20 Coffee Break

10:50 Optimization in the Poultry Industry
T. Brient Mayfield, *Optimal4 Software, LLC*

11:40 Poultry Production Analytics - Lessons Learned.

Eric Heskett & Kevin Watkins,

Elanco Animal Health

12:10 Break for Lunch

1:10 Data Collection and Assembly in the Internet Age. **Simon Cohen**, *M-Tech Systems*

2:00 Enterprise Resources Planning
Keith Mangold, *Agrisoft/CMC*

2:50 Optimal4 Software Demonstrations
T. Brient Mayfield, *Optimal4 Software, LLC*

3:45 **Closing Remarks and Adjourn**



Registration Fee

The cost of these workshops is US \$80 per person. It includes training, educational materials, lunch, and snacks.

Deadlines for Registration

October 29, 2010



North Carolina State University

Cooperative Extension Service

Department of Poultry Science

229 Scott Hall

Raleigh, NC 27695 - 7608

For additional information contact:

Dr. Edgar O. Oviedo-Rondón

Phone: +1 (919) 515-5391

Fax: +1 (919) 515-7070

E-mail: edgar_oviedo@ncsu.edu

Or visit our website:

www.ces.ncsu.edu/depts/poulsci/

Name _____ Title _____
Company _____ Country _____
Address _____ City _____
State/Province _____ Zip/Postal code _____ Phone _____
Fax _____ E-mail _____ Check Enclosed: US \$80

(Make check from US Bank or Money Order in US dollars payable to **Agriculture Educational Services Inc.**)
Credit Card payment available Online

Cancellation Notice: Prior to two weeks = no charge/Within last week = half of enrollment fee/No show = entire enrollment fee

Mail completed form to **NC State University, Dep. of Poultry Science, Scott Hall, Raleigh, NC 27695-7608** or Fax to:
+1(919)515 7070 - Pre-register and pay online at www.ces.ncsu.edu/depts/poulsci/modeling_or_in_poultry

NC Extension Upcoming Meetings

**2010 National Poultry and Animal
Waste Management Symposium**
October 26-28
Sheraton at Four Points, Greensboro, NC

**North Carolina Broiler Breeder and
Hatchery Management Conference**
October 27-28 2010
Statesville, NC

**Carolina Feed Technology School
Carolina Poultry Nutrition Conference
Poultry Nutritionist's Roundtables**
November 8-10, 2010
Sheraton Imperial, RTP, NC

**North Carolina Broiler
Supervisors' Short Course**
April 14, 2011
Union County Extension Center
Monroe, NC

**NCSU International Course on
Poultry Production
Feed Manufacturing Short Course**
May 16-21, 2011
NC State Campus, Raleigh, NC

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Dr. Edgar O. Oviedo-Rondón
Phone: +1 (919) 515-5391
Fax: +1 (919) 515-7070
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**November 11, 2010
Raleigh, North Carolina**



*Developing Leadership
for the Global Marketplace*

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**POULTRY
SCIENCE**

NC STATE UNIVERSITY

COLLEGE OF
AGRICULTURE & LIFE SCIENCES
ACADEMICS • RESEARCH • EXTENSION