

WELCOME

To the Educational Training Program for Delaware's Nutrient Management Planners

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University of Delaware

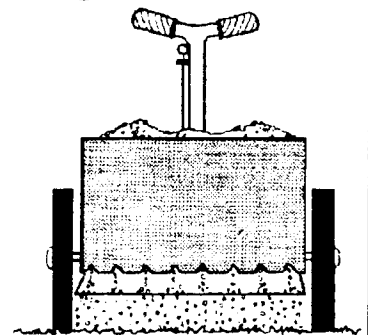
College of Agriculture and Natural Resources

Nutrient management planning is an essential component of any economically viable, sustainable agricultural enterprise. Efficient use of nutrients results in economic savings to farmers and other nutrient users and also prevents the unnecessary loss of nitrogen (N) and phosphorus (P) to ground and surface waters. Educational programs focusing on nutrient management for water quality protection are critical in Delaware for the following reasons:

- 1). To ensure that the complexity of the issue is fully understood by all interested parties, including nutrient users (farmers, commercial landscapers, homeowners, etc.), those involved in nutrient management planning and advisory actions, those responsible for developing and implementing policies on nutrient management, the general public, and the media.
- 2). To integrate the latest advances in research, in an ongoing manner, into nutrient management planning efforts and nutrient management practices at every scale (field, farm, watershed, county, region). Tremendous strides have been made in nutrient management research in the U.S. and other countries in the past decade, however much of this information is not well known in Delaware. Nutrient management planners should be well-informed and well-educated on these matters if they are to accomplish their goals effectively.

The University of Delaware Cooperative Extension is grateful for the general support and contributions provided by:

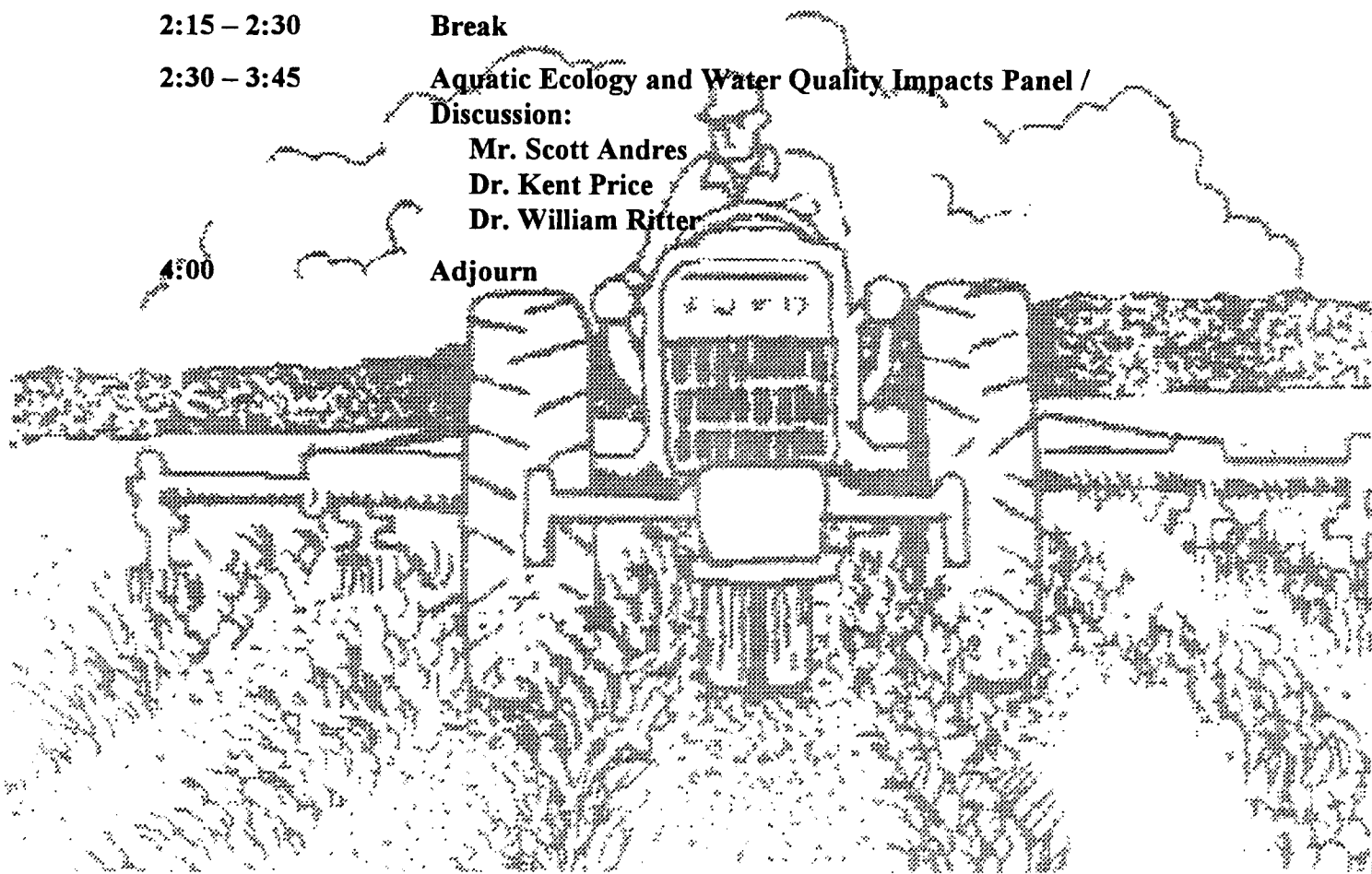
Northeast Region SARE Program
Delaware Water Resources Center
This study was supported in part by the funds of USDA



NUTRIENT MANAGEMENT FOR WATER QUALITY PROTECTION

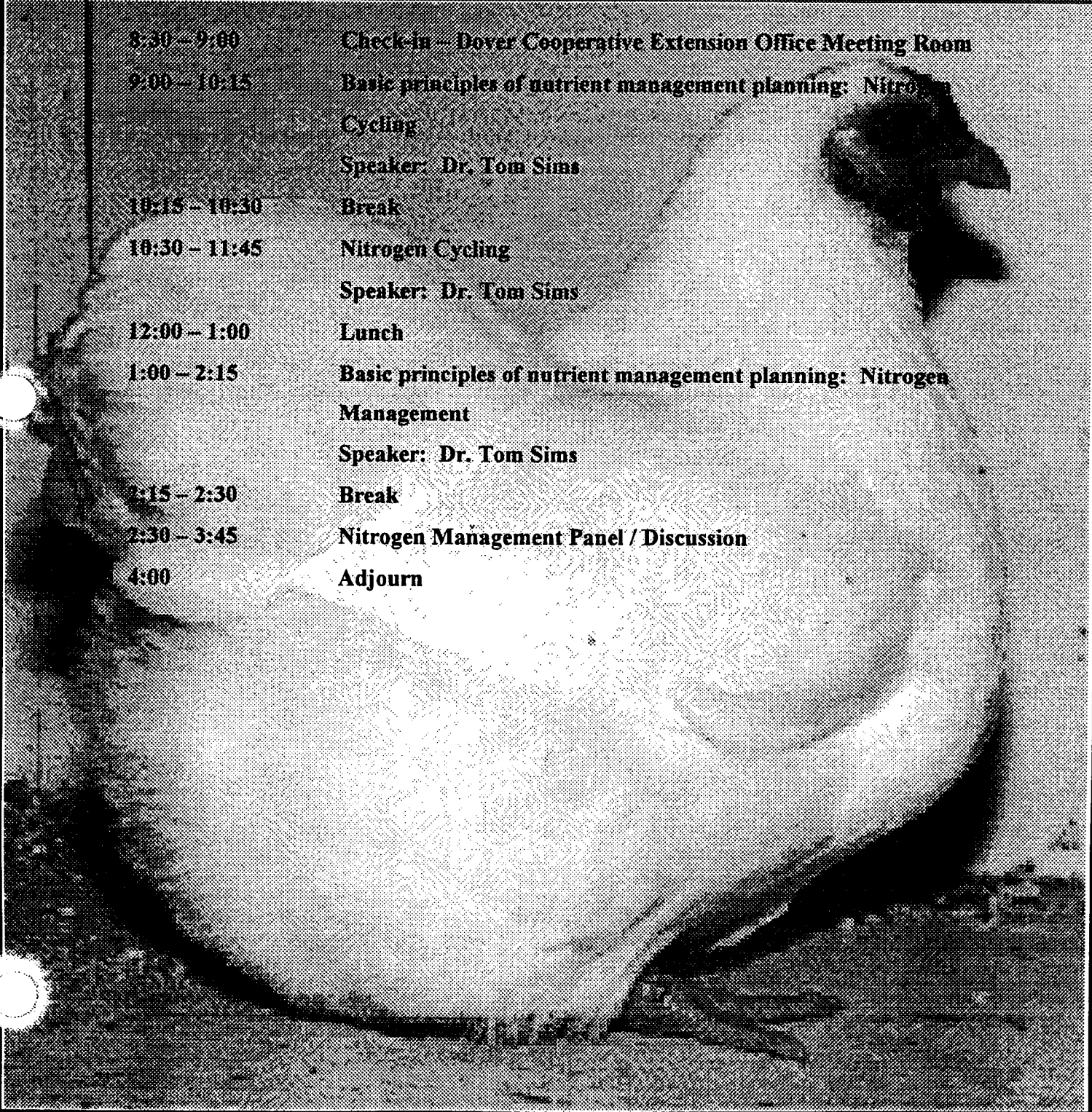
WEDNESDAY, JANUARY 6, 1999

- 8:00 – 9:00** **Registration and Check-in– Dover Cooperative Extension
Office Meeting Room**
- 9:00 – 10:15** **Basic principles of nutrient management planning: Overview
Speaker: Dr. Tom Sims**
- 10:15 – 10:30** **Break**
- 10:30 – 11:45** **Basic principles of nutrient management planning: Overview
Speaker: Dr. Tom Sims**
- 12:00 – 1:00** **Lunch**
- 1:00 – 2:15** **Aquatic Ecology and Water Quality Impacts
Speaker: Dr. Tom Sims**
- 2:15 – 2:30** **Break**
- 2:30 – 3:45** **Aquatic Ecology and Water Quality Impacts Panel /
Discussion:
Mr. Scott Andres
Dr. Kent Price
Dr. William Ritter**
- 4:00** **Adjourn**



NUTRIENT MANAGEMENT FOR WATER QUALITY PROTECTION

WEDNESDAY, JANUARY 13, 1999

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|---------------|---|
| 8:30 – 9:00 | Check-in – Dover Cooperative Extension Office Meeting Room |
| 9:00 – 10:15 | Basic principles of nutrient management planning: Nitrogen
Cycling
Speaker: Dr. Tom Sims |
| 10:15 – 10:30 | Break |
| 10:30 – 11:45 | Nitrogen Cycling
Speaker: Dr. Tom Sims |
| 12:00 – 1:00 | Lunch |
| 1:00 – 2:15 | Basic principles of nutrient management planning: Nitrogen
Management
Speaker: Dr. Tom Sims |
| 2:15 – 2:30 | Break |
| 2:30 – 3:45 | Nitrogen Management Panel / Discussion |
| 4:00 | Adjourn |

NUTRIENT MANAGEMENT FOR WATER QUALITY PROTECTION

WEDNESDAY, JANUARY 20, 1999

8:30 – 9:00 Check-in – Dover Cooperative Extension Office Meeting Room

9:00 – 10:15 Basic principles of nutrient management planning:

Phosphorus Cycling

Speaker: Dr. Tom Sims

10:15 – 10:30 Break

10:30 – 11:45 Phosphorus Cycling

Speaker: Dr. Tom Sims

12:00 – 1:00 Lunch

1:00 – 2:15 Basic principles of nutrient management planning:

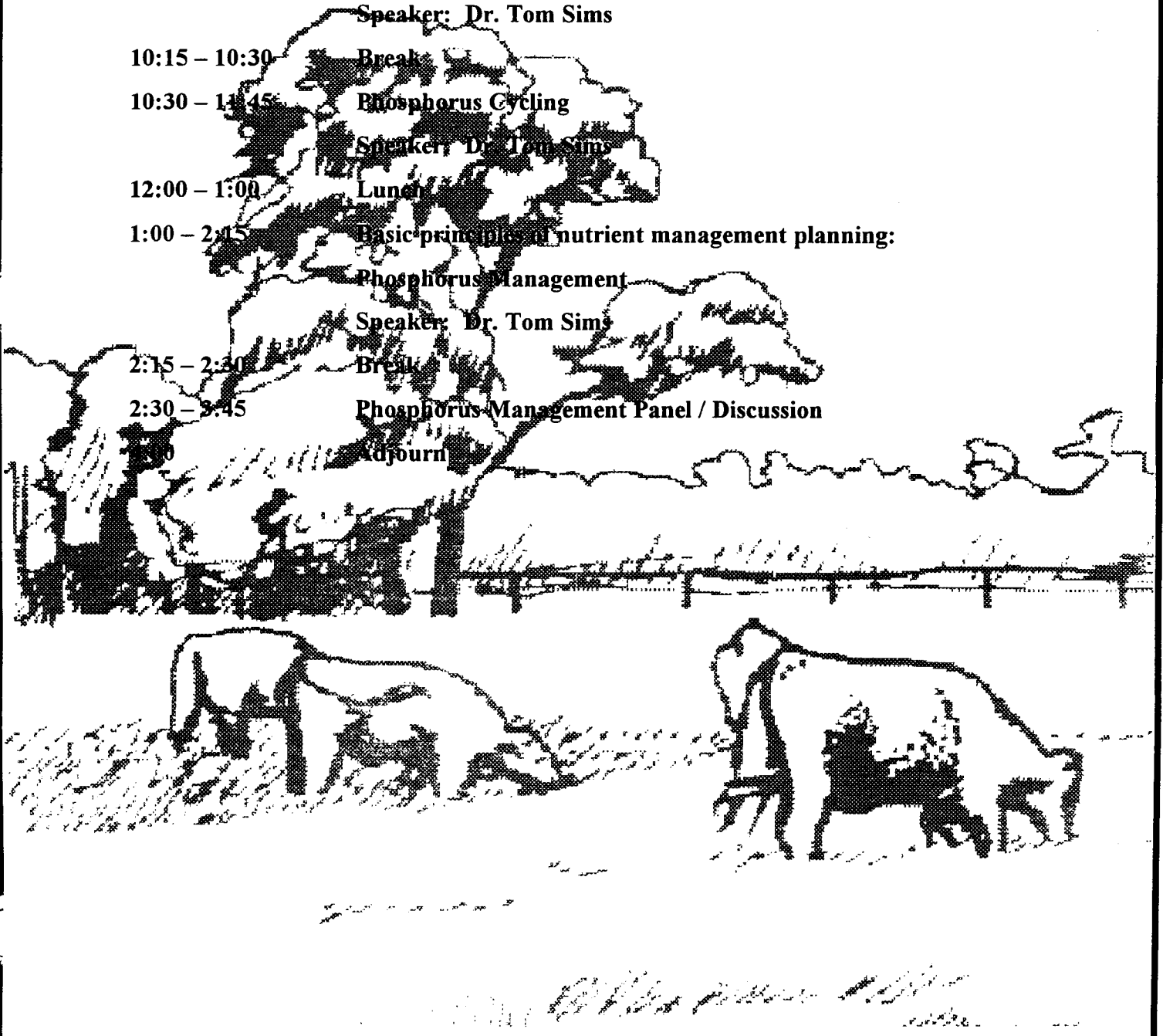
Phosphorus Management

Speaker: Dr. Tom Sims

2:15 – 2:30 Break

2:30 – 3:45 Phosphorus Management Panel / Discussion

3:45 – 4:00 Adjourn



NUTRIENT MANAGEMENT FOR WATER QUALITY PROTECTION

WEDNESDAY, JANUARY 27, 1999

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| 8:30 – 9:00 | Check-in – Dover Cooperative Extension Office Meeting Room |
| 9:00 – 10:15 | Soil testing and plant analysis: Principles and practices
Speaker: Ms. Karen Gartley |
| 10:15 – 10:30 | Break |
| 10:30 – 11:45 | Soil testing and plant analysis: Principles and practices
Speaker: Ms. Karen Gartley |
| 12:00 – 1:00 | Lunch |
| 1:00 – 2:15 | Comprehensive Nutrient Management Plans
Speaker: Ms. Cindy Greene |
| 2:15 – 2:30 | Break |
| 2:30 – 3:45 | Issues for the Future:
Panel/Discussion with representatives from:
College of Agriculture and Natural Resources
Delaware Department of Agriculture
Natural Resource Conservation Service
Delaware Department of Natural Resources and
Environmental Control |
| 4:00 | Adjourn |