9th Annual
Florida Ruminant Nutrition Symposium

Gainesville, Florida
January 15-16, 1998

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January 15 - 16, 1998

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FLORIDA RUMINANT NUTRITION SYMPOSIUM  
University of Florida, Gainesville  
Thursday, January 15, 1998

am  
10:00 Registration

Presiding: Bernie Haskins

pm  
1:00 Welcome - Larry Connor  
1:10 Plant biotechnology: a progress report and a look ahead - Molly Cline  
1:40 Current concepts in feeding dairy replacements - Michael VandeHarr  
2:20 Identifying ration components and their adequacy when optimizing production performance - Paul Chandler  
3:00 Refreshment Break

Presiding: Jim Chapman

3:15 Bioavailability of organic forms of the microminerals - Clarence Ammerman  
3:50 Opportunities to increase the contribution of peptides to metabolizable protein - Doug Bates  
4:30 The problem of mycotoxins in feedstuffs - Barney Harris, Jr.  
5:00 Questions and answers  
5:10 Adjourn and Reception

Friday, January 16, 1998

Presiding: Jack Van Horn

am 
7:50 Announcements  
8:00 The reproductive implications of nutrition - Bryan Reiling  
8:35 Productive and reproductive responses of holstein cows fed whole cottonseeds and given reduced doses of bST - Charles Staples and Jack Van Horn  
9:10 Nutritional management of dairy cows during the transition period - Jim Drackley  
9:50 Refreshment Break

Presiding: John Moore

10:10 Making nutritional sense of nonstructural carbohydrates - Mary Beth Hall  
10:50 Supplemental protein sources for grazing beef cattle - Bob Cochran  
11:30 Global issues surrounding BSE - Gary Pearl

pm  
12:00 Questions and answers  
12:15 Symposium Concludes
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**PLANT BIOTECHNOLOGY: A PROGRESS REPORT AND A LOOK AHEAD**  
♦ Molly Cline

**CURRENT CONCEPTS IN FEEDING DAIRY REPLACEMENTS**  
♦ Michael VandeHaar

**IDENTIFYING RATION COMPONENTS AND THEIR ADEQUACY WHEN OPTIMIZING PRODUCTION PERFORMANCE**  
♦ Paul Chandler

**BIOAVAILABILITY OF ORGANIC FORMS OF THE MICROMINERALS**  
♦ Clarence Ammerman

**OPPORTUNITIES TO INCREASE THE CONTRIBUTION OF PEPTIDES TO METABOLIZABLE PROTEIN**  
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**THE PROBLEM OF MYCOTOXINS IN FEEDSTUFFS**  
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♦ Charles Staples and Jack Van Horn

**NUTRITIONAL MANAGEMENT OF DAIRY COWS DURING THE TRANSITION PERIOD**  
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**MAKING NUTRITIONAL SENSE OF NONSTRUCTURAL CARBOHYDRATES**  
♦ Mary Beth Hall

**SUPPLEMENTAL PROTEIN SOURCES FOR GRAZING BEEF CATTLE**  
♦ Bob Cochran

**GLOBAL ISSUES SURROUNDING BSE**  
♦ Gary Pearl