

Annual Faculty Progress Report
Submit as an Electronic Word Document by January 10, 2011

1. List bibliography of refereed publications in print (January 1, 2010 – December 31, 2010):
 - *Rollin E, Berghaus RD, Rapnicki P, Godden SM, and **Overton MW**. The effect of injectable butaphosphan and cyanocobalamin on postpartum serum beta-hydroxybutyrate, calcium, and phosphorus concentrations in dairy cattle. *J Dairy Sci* 2010; 93:978-987.
 - *Sreekumari R, Berghaus RD, **Overton MW**, Pence ME, and Baldwin CA. Comparison of fluorescent antibody and microscopic agglutination testing for *Leptospira* in pregnant and nonpregnant cows. *J Vet Diag Invest* 2010; 22:51-54.
2. List bibliography of refereed Publications submitted to publishers for review which are not yet published (January 1, 2010 – December 31, 2010):
 - N. Chapinal, M. Carson, T.F. Duffield, M. Capel, S. Godden, **M. W. Overton**, J.E.P. Santos, S.J. LeBlanc. The evaluation of serum metabolites for the prediction of clinical disease during the transition period. Submitted November 2010 to *JDS*
3. List book chapters published (January 1, 2010 – December 31, 2010):
 - **Overton, MW**. (2011). Dairy Records Analysis and Evaluation of Performance. In: Risco, C. (Ed). "Dairy Production Medicine," Wiley-Blackwell USA, in press.
4. List books authored (January 1, 2010 – December 31, 2010):
5. List bibliography of non-refereed publications (January 1, 2010 – December 31, 2010):

Abstracts

- 1) Smith, I.J., **Overton, M.W.**, Berghaus, R.D. The effect of postparturient uterine douching on the risk for acute puerperal metritis in lactating Holstein dairy cows. AABP Annual Meeting, Albuquerque, NM, August 18-21, 2010
- 2) Rollin, E. Berghaus, R.D. Rapnicki, P. Godden, S.M., and **Overton, M.W.** The effect of injectable butaphosphan and cyanocobalamin on postpartum serum beta-hydroxybutyrate, calcium, and phosphorus concentrations in dairy cattle. AABP Annual Meeting, Albuquerque, NM, August 18 -21, 2010

Convention Papers/Proceedings

1. **Overton MW**, Managing and Monitoring Fresh Cows for Improved Reproductive Success. Proceedings of the 2010 Dairy Cattle Reproduction Council, November 11, 2010
2. **Overton MW**. Economic Principles of Dairy Cattle Reproduction. Proceedings of the 2010 Wisconsin VMA, Oct 7-9, 2010.
3. **Overton MW**, and Smith IJ. The Use of Records to Evaluate and Improve Transition Cow Performance. Proceedings of the 2010 Four-State Nutrition Conference, Dubuque, IA, June 9, 2010
4. **Overton MW**. Economic Returns of Improved Reproductive Performance in Dairy Cattle. Proceedings of the 2010 Four-State Nutrition Conference, Dubuque, IA, June 9, 2010.
5. **Overton MW**, and Boomer WG. Transition Management Checklist. Proceedings of the 2010 Mid-South Ruminant Nutrition Conference, Arlington, TX, April 12-13, 2010.

6. **Overton MW.** Management of Natural Service Sires in Dairies. Proceedings of the 2010 NAVC, Orlando, FL, January 19, 2010.
7. **Overton MW.** Comparison of Natural Service vs. AI in Dairy Herds. Proceedings of the 2010 NAVC, Orlando, FL, January 18, 2010.
8. **Overton MW.** Management to Minimize the Impact of Metritis. Proceedings of the 2010 NAVC, Orlando, FL, January 18, 2010.

Other/ Non-Peer Reviewed/ Lay Publications

7. May, H., **Overton, M.W.**, Graves, W., Prostaglandin F2 α Use in Dairy Cows, Georgia DairyFax, December 2010
8. **Overton MW** and Fetrow J. Metritis Costs Us a Bundle. Hoard's Dairyman, July 2010.
9. Smith, I.J., **Overton, M.W.**, Bernard, J. Heat Stress Abatement. Georgia DairyFax, June 2010
10. **Overton MW.** What's uterine health worth to your dairy? Dairy Cattle Reproductive Council Newsletter, 2010.
11. **Overton MW.** A tailored fit: Using tools and resources to customize your herd reproductive program. Progressive Dairyman, 2010.
12. Boomer G and **Overton MW.** Increase the value of sexed semen with a solid heifer program. Progressive Dairyman, January 1, 2010.

6. List bibliography of professional presentations (January 1, 2010– December 31, 2010):

1. Metabolic and Reproductive Challenges of Periparturient Cows, invited presentation to dairy veterinarians in Idaho, December 13, 2010.
2. Managing and Monitoring Fresh Cows for Improved Reproductive Success. Invited presentation at the Dairy Cattle Reproduction Council, November 11, 2010
3. Economic Principles of Dairy Cattle Reproduction. Continuing education presentation to veterinarians. Presented in Madison, WI for the Wisconsin VMA Conference, October 8, 2010.
3. Dairy Sustainability and the Role of Veterinarians. Invited presentation for the 2010 Food Animal Scholars Program, North Carolina State University, Raleigh, N.C., September 16, 2010
4. Invited speaker to Linkoping, Sweden, August 30 – September 2, 2010 for presentations at the Swedish Dairy Conference 350 dairy veterinarians and professionals throughout Sweden, on the following topics:
 - (a) Uterine Disease Management and Economics
 - (b) Metabolic and Management Challenges of Dairy Cattle
 - (c) Energy Balance and Reproduction in Dairy Cattle
5. Transition Management Challenges of Dairy Cattle. Continuing education presentation to veterinarians. Presented in Madison, WI; Beloit, WI; Reedsville, WI; and Appleton, WI for Bayer Animal Health, July 28-29, 2010
6. Invited presentations to the students at Cornell's Summer Dairy Institute in Ithaca, New York, July 22, 2010 on the following topics:
 - (a) Management Guidelines and Cost Comparison for Natural Service Sires in Dairy Herds
 - (b) AI vs. Natural Service: Comparison of Reproductive Performance.
 - (c) Economics of Dairy Reproduction: An Application of Marginality.
7. Transition Management Challenges of Dairy Cattle. Continuing education presentation to veterinarians. Presented in Buffalo, NY and Celina, OH, for Bayer Animal Health, June 29-30 2010.
8. The Use of Records to Evaluate and Improve Transition Cow Performance. 2010 Four-State Nutrition Conference, Dubuque, IA, June 9, 2010.
9. Economic Returns of Improved Reproductive Performance in Dairy Cattle. 2010 Four-State Nutrition Conference, Dubuque, IA, June 9, 2010.
10. Transition Management Checklist. 2010 Mid-South Ruminant Nutrition Conference, Arlington, TX, April 12-13, 2010.
11. Economics of Reproduction in Dairy Cattle. 2010 Dairy Feedmaster Program for Southern States, Raleigh, NC, February 26, 2010.
12. Management of Natural Service Sires in Dairies. 2010 NAVC, Orlando, FL, January 19, 2010.
13. Comparison of Natural Service vs. AI in Dairy Herds. 2010 NAVC, Orlando, FL, January 18, 2010.

14. Management to Minimize the Impact of Metritis. 2010 NAVC, Orlando, FL, January 18, 2010.

7. List bibliography of continuing education or lay presentations (January 1, 2010 – December 31, 2010):

1. Milker training school for South Carolina Department of Corrections, November 17, 2010
2. Calving management training seminar for South Carolina Department of Corrections, September 9, 2010
3. Hoof trimming and lameness workshop for South Carolina Department of Corrections, June 2, 2010
4. Changes in PCDart for Reproductive Management and An Update on TAI, Dairy Producer Meeting in Statesville, NC, February 8, 2010
5. Management Guidelines for Natural Service Sires in Dairy Herds, Dairy Producer Meeting in Statesville, NC, February 8, 2010
6. Milker training session for South Carolina Department of Corrections, January 13, 2010

8. Grants submitted (January 1, 2010 – December 31, 2010):

Title	Name of Agency	Amount Requested
Determination of The Prevalence of Bacteremia and Antimicrobial Sensitivities of Isolates in Dairy Cattle with Acute Puerperal Metritis: Risk factors and disease management	Pfizer Animal Health – Non-restrictive gift	48,000
The Prevalence of Bacteremia in Dairy Cattle with Acute Puerperal Metritis	AABP Research Assistantship	\$7,500
An Investigation of the Roles of Local and Systemic Inflammation in Reproductive Failure of Dairy Cows	SMI Dairy Check-off Funds Research Proposal	\$10,900
The effect of postparturient uterine douching on risk of acute metritis in Holstein dairy cows	SMI Dairy Check-off Funds Research Proposal	\$3,500

9. Grants received (January 1, 2010 – December 31, 2010): **(note: these are not truly “grants”, but instead are research assistantships that had no overhead deducted)**

Title	Name of Agency	Amount Rewarded
The Prevalence of Bacteremia in Dairy Cattle with Acute Puerperal Metritis	AABP Research Assistantship	\$7,500
An Investigation of the Roles of Local and Systemic Inflammation in Reproductive Failure of Dairy Cows	SMI Dairy Check-off Funds Research Proposal	\$10,900
The effect of postparturient uterine douching on risk of acute metritis in Holstein dairy cows	SMI Dairy Check-off Funds Research Proposal	\$3,500

10. Research gifts received (January 1, 2010 – December 31, 2010):

Agency	Amount Received

11. List service on grants review panels (January 1, 2010 – December 31, 2010):

12. Services Provided (January 1, 2010 – December 31, 2010):

Clinicians:

Number of Field Trips	Number of Students	Number and species of animals
69	269	157970 (dairy)

13. List editorial service to journals (January 1, 2010 – December 31, 2010):

- Ad Hoc Reviewer for DairyXNet – one paper
- Ad Hoc Reviewer for AABP – Bovine Practitioner – one paper
- Ad Hoc Reviewer for Journal of Dairy Science – two papers

14. Other services: Provide any other service activities not included above.

Public Service

1. External evaluator for promotion and tenure packets:
 - (a) Dr. Chris Schneider, University of Idaho, September, 2010
 - (b) Dr. Marina von Keyserlingk, University of British Columbia, January, 2010
2. External reviewer for Office of VP Research, OMAFRA Research Support, University of Guelph, Ontario, CA, 2010
3. External reviewer for Dairy Farmers of Canada, Production Executive Scientific Advisory Committee, 2010
4. External reviewer for Southeast Milk, Inc Milk Check-off Research Funding – reviewed 3 proposed research projects, March 2010
5. Member Elanco Dairy Advisory Board 2010

UGA service

1. Student organizations:
 - (a) Advisor for student chapter AABP at UGA 2007-present

15. Submit a list of visitors for whom assistance, training and/or education was provided by you and/or your laboratory personnel. Be Specific:

Visitor Name	Company Name	Date(s)	Duration of Visit	Service Provided
Greg Beathard	Dairy Records Management Services	1/25/10	1 day	Discussion of approaches to records analysis
Dr. Bob Corbett	Private consultant	3/16/10	1 day	Discussion of replacement heifer rearing economics

Dr. Laura Solano	Private veterinarian	8/5/10	1 day	Dairy herd visit for reproductive management training
Greg Beathard	Dairy Records Management Services	9/9/10	1 day	Discussion of approaches to records analysis

16. List awards received during 2010 (Include Student Awards):

17. List committees (department, college, university, scientific societies) you served on during 2010:

1. Director – Food Animal Health and Management Program, March 2007 – present
2. Graduate Coordinator, UGA-CVM MFAHM Program, May 2010-present
3. University Committees
 - (a) Student/Faculty Liaison Committee – 2007-present, vice-chairman 2010
 - (b) Population Health Department – Beef Production Position (Tifton) search committee, 2010
4. American Dairy Science Association:
 - (a) Co-chairman for ADSA Discover Conference on Dairy Sustainability, 2010
 - (b) Committee member for ADSA Discover Conference on Transition Cow Management, 2010
5. North American Veterinary Conference:
 - (a) Dairy Chair – 2008-2010
 - (b) Moderator – dairy sessions, 2007-2010
6. Western Dairy Management Conference - Program committee – 2006-present

18. List Classes Taught and Number of Students per class during 2010 (specify whether fall, spring or summer and your contribution to the class (contact hours)):

Classes Taught	Number of Students	Semester	Contact Hours	Responsibility
POPH 6120	1	Spring	1.0	50%
POPH 6700	1	Spring	3.0	50%
ADSC 8710	1	Spring	3.0	*100%
POPH 5312	11	Spring	1.0	*50%
POPH 5445	3	Spring	3.9	50%
POPH 5445	2	Spring	3.9	50%
POPH 5445	3	Spring	3.9	50%
POPH 5445	2	Spring	3.9	50%
POPH 5446	4	Spring	7.8	20%
POPH 5447	4	Spring	7.8	*90%
POPH 544_A	2	Spring	3.9	*100%
POPH 5900	2	Spring	3.9	*100%
LAMS 5160	82	Spring	1.5	15%
POPH 8160	1	Summer	3.0	*100%
POPH 6120	1	Summer	1.0	50%

ADSC 7000	1	Fall	3.0	*100%
ADSC 7300	1	Fall	3.0	*100%
POPH 5200	48	Fall	2.	33%
POPH 5230	7	Fall	0.7	*90%
POPH 5445	2	Fall	3.9	50%
POPH 5445	2	Fall	3.9	50%
POPH 5446	3	Fall	7.8	20%
POPH 5447	4	Fall	7.8	*90%
POPH 5447	4	Fall	7.8	*90%
POPH 6120	1	Fall	1.0	50%
POPH 6700	1	Fall	3.0	50%
LAMS 5350	101	Fall	1.9	14%
LAMS 5385	22	Fall	1.0	21%
VPHY 5170	101	Fall	1.6	10%

24. List any short courses that you organized or taught (note title, length (hours or days) and the number of people/participants in the audience)

Title	Role	Length of Short Course	Time Taught	# Participants
AAB Dairy Cattle Reproduction Preconference Seminar	Co-coordinator and instructor	2 days	1/2 day	20
AABP Dairy Heifer Replacement Preconference Seminar	Instructor	2 days	3 hrs	25
Southeast Food Animal Symposium for students	Instructor	2 days	3 hrs	40
Cornell's Summer Dairy Institute	Instructor	30 days	1/2 day	25