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Oklahoma Panhandle Research & Extension Center
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Education

- Ph.D. Animal Nutrition, Oklahoma State University, 1988
Dissertation Title: Feed Intake by Feedlot Cattle and Effect of Controlled Feed Intake on Performance of Feedlot Cattle.
- M.S. Animal Science, Oklahoma State University, 1985
Thesis Title: Effect of Nutrition, Medical Treatments and Management Practices on Health and Performance of Newly Received Stocker Cattle.
- B.S. Animal Science--Commercial Option, Texas A&M University, 1980

Professional Experience

- Oklahoma Cooperative Extension Service – Oklahoma Panhandle Research & Extension Center, Goodwell, OK:** Area Extension Livestock Specialist (2005 – present)
- Oklahoma Panhandle State University, Goodwell, OK:** Teach ANSI 4763, Advanced Ruminant Nutrition (2006 – present).
- Pilgrim’s Feed - Mt. Pleasant, TX:** Manager of Nutritional Services (1999 – 2005).
- Vigortone Ag Products - Weatherford, OK:** Field Beef Specialist (1994 – 1998).
- Moorman Mfg. Co. – Quincy, IL:** Head of Beef Research (1989 - 1994).
- Oklahoma State University,** Research Assistant (1984 - 1988).
- Texas Agricultural Extension Service – Young County, Graham, TX:** County Agricultural Extension Agent (1980 - 1983).

Professional Organizations

American Society of Animal Science
American Registry of Professional Animal Scientists
Plains Nutrition Council

PROFESSIONAL PAPERS PRESENTED

- Hicks, R.B.** 1985. Cost of treating newly arrived stocker cattle. 11th Annual OK Cattle Conf. Proc., Oct. 22-23, 1985, Chickasha, OK, p.O-1.

- Hicks, R.B.** and F.N. Owens. 1988. Mineral supplements for feedlot cattle. Symposium Proceedings: Trace Minerals in Beef Cattle Nutrition. Sept. 15, 1988, Amarillo, TX, p. 1A.
- Hicks, R.B.**, C.J. Richards, and P.K. Camfield. 2008. Use of distiller's grains (wet & dry) in flaked corn diets for finishing beef cattle. In: High Plains Biofuels Co-Product Nutrition Conference, Garden City, KS.
- Hicks, R.B.**, D.R. Gill, R.A. Smith and F.N. Owens. 1986. Effect of ivermectin on performance and health of newly arrived stocker cattle. J. Anim. Sci. 63 (Suppl. 1):394 (Abstr.).
- Hicks, R.B.**, D.R. Gill, R.A. Smith and F.N. Owens. 1986. Effect of ivermectin, fenbendazole or levamisole phosphate on performance of newly arrived stocker cattle. J. Anim. Sci. 63 (Suppl. 1):395 (Abstr.).
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.A. Thornton and R. Lake. 1987. Feed intake by feedlot beef steers: Impact of initial weight and time on feed. In: F.N. Owens (ed.). Symposium Proceedings: Feed Intake by Beef Cattle. Okla. Agr. Exp. Sta. MP. 121:238.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1987. Effect of limit feeding on performance of steers and heifers. In: F.N. Owens (ed.). Symposium Proceedings: Feed Intake by Beef Cattle. Okla. Agr. Exp. Sta. MP-121:394.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1987. Controlled feed intake for feedlot steers and heifers. J. Anim. Sci. 65 (Suppl. 1):473 (Abstr.).
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1988. Effects of programmed feed intake on performance and carcass characteristics of feedlot steers. J. Anim. Sci. 66 (Suppl. 1):480 (Abstr.).

PUBLICATIONS

Thesis:

- Hicks, R.B.** 1985. Effect of Nutrition, Medical Treatments and Management Practices on Health and Performance of Newly Received Stocker Cattle. Okla. State Univ. M.S. Thesis.
- Hicks, R.B.** 1988. Feed Intake of Feedlot Cattle: Prediction Equations and Effect of Restriction. Okla. State Univ. Ph.D. Dissertation

Journal Articles:

- [**Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1990. Effects of controlled feed intake on performance and carcass characteristics of feedlot steers and heifers. J. Anim. Sci. 68:233.](#)
- [**Hicks, R.B.**, F.N. Owens, D.R. Gill, J.W. Oltjen and R.P. Lake. 1990. Daily dry matter intake by feedlot cattle: Influence of breed and gender. J. Anim. Sci. 68:245.](#)
- [**Hicks, R.B.**, F.N. Owens, D.R. Gill, J.W. Oltjen and R.P. Lake. 1990. Dry matter intake by feedlot beef steers: Influence of initial weight, time on feed and season of year received in yard. J. Anim. Sci. 68:254.](#)
- Smith, R.A., **R.B. Hicks**, D.R. Gill and R.L. Ball. 1986. Improving the performance of stocker and feedlot calves with a live *Pasteurella haemolytica* vaccine. Vet. Med. 81:978.

Book Chapters

Richards, C.J. and **B. Hicks**. 2007. Processing of corn and sorghum for feedlot cattle. In: Veterinary Clinics of North America Food Animal Practice: Topics in Nutritional Management of Feedlot Cattle. (L.C. Hollis and K.C. Olson Eds.). 23(2):207-221. Elsevier, Philadelphia, PA.

Abstracts:

- Gill, D.R., **R.B. Hicks**, F.N. Owens, J.J. Martin, H.G. Dolezal, V.S. Hays and C.A. Strasia. 1987. The effect of slaughter date on carcass gain and characteristics of feedlot steers. J. Anim. Sci. 65 (Suppl. 1):435 (Abstr.).
- Gill, D.R., **R.B. Hicks**, H.G. Dolezal, C.A. Strasia, L.J. Perino, M.T. Smith and F.N. Owens. 1989. Impact of liver flukes at slaughter on feedlot performance of cattle. J. Anim. Sci. 67 (Suppl. 2):35 (Abstr.).
- Gill, D.R., **R.B. Hicks**, R.A. Smith and F.N. Owens. 1986. Effect of vitamin E supplementation on performance and health of newly arrived stocker cattle. J. Anim. Sci. 63 (Suppl. 1):394 (Abstr.).
- Gill, D.R., **R.B. Hicks**, R.A. Smith and F.N. Owens. 1986. The effect of interferon on health and performance of newly-arrived stocker cattle. J. Anim. Sci. 63 (Suppl. 1):393 (Abstr.).
- Hicks, R.B.**, D.R. Gill, R.A. Smith and F.N. Owens. 1986. Effect of ivermectin on performance and health of newly arrived stocker cattle. J. Anim. Sci. 63 (Suppl. 1):394 (Abstr.).
- Hicks, R.B.**, D.R. Gill, R.A. Smith and F.N. Owens. 1986. Effect of ivermectin, fenbendazole or levamisole phosphate on performance of newly arrived stocker cattle. J. Anim. Sci. 63 (Suppl. 1):395 (Abstr.).
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1987. Controlled feed intake for feedlot steers and heifers. J. Anim. Sci. 65 (Suppl. 1):473 (Abstr.).
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1988. Effects of programmed feed intake on performance and carcass characteristics of feedlot steers. J. Anim. Sci. 66 (Suppl. 1):480 (Abstr.).
- Martin, J.J., C.A. Strasia, D.R. Gill, **R.B. Hicks**, K. Ridenour, H.G. Dolezal and F.N. Owens. 1987. Effect of zinc methionine on live performance and carcass merit of feedlot steers. J. Anim. Sci. 65 (Suppl. 1):500 (Abstr.).
- Sims, L.E., **R.B. Hicks**, D.L. VanOverbeke, P.K. Camfield, J.J. Martin, T.K. Dye, B.P. Holland, C.L. Maxwell, C.R. Krehbiel, and C.J. Richards. 2008. Distillers grains in flaked corn diets. J. Anim. Sci. 86 (E-Suppl. 3):82 (Abstr.).

OSU Research Reports:

- Frahm, R.R., E.D. Tinker, F.N. Owens, D.R. Gill, **R.B. Hicks** and S.W. Coleman. 1987. Feedlot and carcass traits of Limousin sired crossbred cattle with 0, 1/8 or 1/4 Brahman breeding. Okla. Agr. Exp. Sta. Res. Rep. MP-119:15.
- Gill, D.R., F.N. Owens, R.A. Smith and **R.B. Hicks**. 1987. Effects of trenbolone acetate with or without estradiol, synovex H, and ralgro on the rate and efficiency of gain by feedlot heifers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:340.

- Gill, D.R., J.J. Martin, F.N. Owens, C.A. Strasia, **R.B. Hicks**, and H.R. Spires. 1987. The effect of laidlomycin propionate on the performance and carcass merit of feedlot steers and heifers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:332.
- Gill, D.R., R.A. Smith, **R.B. Hicks** and R.L. Ball. 1986. The effect of vitamin E supplementation on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:240.
- Gill, D.R., R.A. Smith, **R.B. Hicks** and R.L. Ball. 1986. The effect of mass medication on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:260.
- Gill, D.R., R.A. Smith, **R.B. Hicks**, F.T. McCollum and R.L. Ball. 1986. The effects of ivermectin, fenbendazole or levamisole phosphate on performance and health of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:232.
- Gill, D.R., **R.B. Hicks**, F.N. Owens, V.S. Hays and J.H. Bailie. 1987. Effect of tetronasin on the rate and efficiency of gain of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:359.
- Hicks, R.B.**, C.J. Richards, and P.K. Camfield. 2007. Use of distiller's grains (wet & dry) in flaked corn diets for finishing beef cattle. Oklahoma Panhandle Research and Extension Center Research Highlights, p 57-67.
- Hicks, R.B.**, D.R. Gill and F.N. Owens. 1985. Comparison of salinomycin to other ionophores for feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-117:281.
- Hicks, R.B.**, D.R. Gill, F.N. Owens and J.W. Oltjen. 1989. Effect of season on the maintenance energy requirements of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-127:119.
- Hicks, R.B.**, D.R. Gill, F.N. Owens and V.S. Hays. 1987. The effect of liver flukes on the performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:337.
- Hicks, R.B.**, D.R. Gill, F.N. Owens, C.A. Strasia, L.J. Perino, M.T. Smith and H.G. Dolezal. 1989. Impact of liver flukes on the performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-127:123.
- Hicks, R.B.**, D.R. Gill, L.H. Carroll, J.J. Martin and C.A. Strasia. 1985. The effect of compudose and finaplix alone and in combination on growth of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-117:269.
- Hicks, R.B.**, D.R. Gill, R.A. Smith and R.L. Ball. 1986. The effect of interferon on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:250.
- Hicks, R.B.**, D.R. Gill, R.A. Smith and R.L. Ball. 1986. The effect of a microbial culture on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:256.
- Hicks, R.B.**, D.R. Gill, R.A. Smith and R.L. Ball. 1986. The effect of ivermectin on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:236.
- Hicks, R.B.**, F.N. Owens and D.R. Gill. 1989. Behavioral patterns of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-127:94.
- Hicks, R.B.**, F.N. Owens and D.R. Gill. 1989. Effect of individual or group penning on performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-127:106.
- Hicks, R.B.**, F.N. Owens and D.R. Gill. 1989. Effect of limit feeding on performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-127:112.

- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1987. Effect of controlled feed intake on performance of feedlot steers and heifers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:320.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1988. Effect of dietary salt levels on performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-125:200.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1988. Effects of programmed feed intake on performance and carcass characteristics of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-125:147.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1988. Effects of weekly or bi-weekly rotational feeding of lasalocid and monensin on performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-125:171.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1988. Water intake by feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-125:208.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin, C. Rink and C.A. Strasia. 1987. Comparison of arkan wheat with mill run hard red winter wheat on performance of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:316.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin, H.G. Dolezal, F.K. Ray, V.S. Hays and C.A. Strasia. 1987. The effect of slaughter date on carcass gain and carcass characteristics of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:351.
- Hicks, R.B.**, R.A. Smith, D.R. Gill, F.N. Owens and R.L. Ball. 1985. The effect of mass-medication, lasalocid, or decoquinate, and medical treatment on the gains and health of newly-arrived stocker and feeder cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-117:221.
- Kochenower, R., **B. Hicks**, and Y. Wu. 2006. Bermudagrass for the High Plains. Oklahoma Panhandle Research and Extension Center Research Highlights, pp.12-14.
- Kochenower, R., **B. Hicks**, and Y. Wu. 2007. Bermudagrass for the High Plains. Oklahoma Panhandle Research and Extension Center Research Highlights, pp.19-21.
- Martin, J.J., C.A. Strasia, D.R. Gill and **R.B. Hicks**. 1985. Effects of MGA, tylosin, lasalocid and monensin fed in combination on performance of feedlot heifers. Okla. Agr. Exp. Sta. Res. Rep. MP-117:273.
- Martin, J.J., C.A. Strasia, D.R. Gill, **R.B. Hicks**, K. Ridenour, H.G. Dolezal and F.N. Owens. 1987. Effect of zinc methionine on live performance and carcass merit of feedlot steers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:344.
- May, S.G., H.G. Dolezal, D.R. Gill, V.S. Hays and **R.B. Hicks**. 1987. Beef palatability as influenced by production, carcass, and postmortem muscle traits. Okla. Agr. Exp. Sta. Res. Rep. MP-119:367.
- Smith, R.A., D.R. Gill and **R.B. Hicks**. 1986. The effect of live Pasteurella hemolytica vaccine on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-118:244.
- Smith, R.A., **R.B. Hicks**, D.R. Gill and R.L. Ball. 1986. The effect of respiratory syncytial virus vaccine on health and performance of newly arrived stocker cattle. Okla. Agr. Exp. Sta. Res. Rep. MP-117:265.
- Smith, R.A., **R.B. Hicks**, D.R. Gill and R.L. Ball. 1986. The response of newly arrived stocker cattle to different medical regimens. Okla. Agr. Exp. Sta. Res. Rep. MP-118:269.
- Strasia, C.A., F.N. Owens, **R.B. Hicks**, J.J. Martin and D.R. Gill. 1987. A comparison of monensin, narasin, salinomycin and tylosin on feedlot performance of steers. Okla. Agr. Exp. Sta. Res. Rep. MP-119:328.

- Strasia, C.A., K.S. Lusby, G.W. Horn, D.R. Gill, **R.B. Hicks** and S.M. Hiniger. 1989. The relationship of visual appraisal to animal performance and carcass parameters. Okla. Agr. Exp. Sta. Res. Rep. MP-127:147.
- Strasia, C.A., S.L. Harp, B.J. Skaggs, R.L. Schemm, D.L. Deen, C.L. Schultz, D.R. Gill, **R.B. Hicks** and S.D. Kraich. 1988. The effect of sorting on feedlot animal performance. Okla. Agr. Exp. Sta. Res. Rep. MP-125:161.
- Taliaferro, C., R. Kochenower, and **B. Hicks**. 2005. Bermudagrass for the High Plains. Oklahoma Panhandle Research and Extension Center Research Highlights, pp. 9-10.

OSU Production Technology Reports

- Kochenower, R. and **B. Hicks**. 2005. Oklahoma Panhandle corn performance trials, 2005. Production Technology Crops. Oklahoma Cooperative Extension Service. PT 2005-17. November, 2005. Vol. 17, No. 17.
- Kochenower, R. and **B. Hicks**. 2006. Oklahoma Panhandle corn performance trials, 2006. Production Technology Crops. Oklahoma Cooperative Extension Service. PT 2006-12. November, 2006. Vol. 18, No. 12.
- Kochenower, R. and **B. Hicks**. 2006. Oklahoma Panhandle limited irrigation sorghum silage performance trial, 2006. Production Technology Crops. Oklahoma Cooperative Extension Service. PT 2006-13. December, 2006. Vol. 18, No. 13.
- Kochenower, R. and **B. Hicks**. 2007. Oklahoma Panhandle corn performance trials, 2007. Production Technology Crops. Oklahoma Cooperative Extension Service. PT 2007-9. November, 2007. Vol. 19, No. 9.
- Kochenower, R. and **B. Hicks**. 2007. Oklahoma Panhandle limited irrigation sorghum silage performance trial, 2007. Production Technology Crops. Oklahoma Cooperative Extension Service. PT 2007-11. November, 2007. Vol. 19, No. 11.

Conferences and Symposiums:

- Gill, D.R., F.N. Owens and **R.B. Hicks**. 1987. Impact of feed intake on performance of grazing and feedlot cattle. In: F.N Owens (ed.). Symposium Proceedings: Feed Intake by Beef Cattle. Okla. Agr. Exp. Sta. MP-121:360.
- Gill, D.R., **R.B. Hicks** and F.N. Owens. 1988. Practical aspects of feed intake control. Proc. 23rd Annu. Pacific Northwest Anim. Nutr. Conf., Nov. 1-3, Spokane, WA, p. 95.
- Hays, V.S., F.N. Owens, D.R. Gill and **R.B. Hicks**. 1987. Calculating dietary net energy concentrations from feedlot performance data. In: F.N. Owens (ed.). Symposium Proceedings: Feed Intake By Beef Cattle. Okla. Agr. Exp. Sta. MP-121:360.
- Hicks, R.B.** 1985. Cost of treating newly arrived stocker cattle. 11th Annual OK Cattle Conf. Proc., Oct. 22-23, 1985, Chickasha, OK, p.O-1.
- Hicks, R.B.** and F.N. Owens. 1988. Controlled feed intake for growing/finishing cattle. Proc. Ninth Western Canadian Nutr. Conf., Sept. 14-15, Winnipeg, Manitoba, p. 160.
- Hicks, R.B.** and F.N. Owens. 1988. Mineral supplements for feedlot cattle. Symposium Proceedings: Trace Minerals in Beef Cattle Nutrition. Sept. 15, 1988, Amarillo, TX, p. 1A.
- Hicks, R.B.** and R. P. Lake. High moisture corn quality control at Hitch. In: Oklahoma State University Cattle Grain Processing Symp. Proc. Tulsa: 2006, p. in press.

- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.A. Thornton and R. Lake. 1987. Feed intake by feedlot beef steers: Impact of initial weight and time on feed. In: F.N. Owens (ed.). Symposium Proceedings: Feed Intake by Beef Cattle. Okla. Agr. Exp. Sta. MP. 121:238.
- Hicks, R.B.**, F.N. Owens, D.R. Gill, J.J. Martin and C.A. Strasia. 1987. Effect of limit feeding on performance of steers and heifers. In: F.N. Owens (ed.). Symposium Proceedings: Feed Intake by Beef Cattle. Okla. Agr. Exp. Sta. MP-121:394.
- Owens, F.N. and **R.B. Hicks**. 1987. Feed intake by feedlot cattle. 48th Minnesota Nutr. Conf. and 10th Int. Minerals Conf., Sept. 21-23, Bloomington, MN, p. 76.
- Owens, F.N. and **R.B. Hicks**. 1987. Variables affecting value of processed grain in ruminant diets. Proc. Southwest Nutr. and Management Conf., Feb. 5-6, Tempe, AZ, p. 61.