TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Michael B. Sims Title: Assistant Professor of Instruction

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
MS	2022	Oklahoma State University	Animal Science	Association of maternal temperament and offspring disposition on growth performance.
BS	2013	Texas A&M Univ-Texarkana	Biology	

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Part-Time Faculty Excellence in Teaching Award, Texas State University College of Science and Engineering.
April 15, 2026 - April 27, 2026
Award Certificate_Sims-1.docx

Award / Honor Nominee: Professor of the Month, National Association of College and University Residence Halls.
February 24, 2026

B. Courses Taught:

Texas State University:
Achieved student evaluation scores above the departmental mean in 93% of 12 courses evaluated at Texas State University.

AG 1445 - BASIC ANIMAL SCI

Year	Overall Evaluation Mean	Departmental Mean
Fall 2023 AG 1445.L01	4.50	4.27
Fall 2023 AG 1445.L04	4.58	4.27
Fall 2023 AG 1445.L09	4.59	4.27
Fall 2024 AG 1445	4.53	4.32

AG 3321 - HOLISTIC RANGE MANAGEMENT

Year	Overall Evaluation Mean	Departmental Mean
Spring 2026 AG 3321	4.65	4.36

AG 3321 - RANGE MGT

Year	Overall Evaluation Mean	Departmental Mean
Spring 2024 AG 3321	4.33	4.32
Spring 2025 AG 3321	4.39	4.34

AG 3325 - AN NUTRITION

Year	Overall Evaluation Mean	Departmental Mean
Fall 2023 AG 3325	4.33	4.27
Spring 2024 AG 3325	4.37	4.25
Fall 2024 AG 3325	4.50	4.32
Spring 2025 AG 3325	4.57	4.34
Fall 2025 AG 3325.001	4.28	4.36
Fall 2025 AG 3325.002	4.52	4.36

AG 3391 - LIVESTOCK BEHAVIOR & WELFARE

Year	Overall Evaluation Mean	Departmental Mean
Spring 2026 AG 3321	4.43	4.36

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Student Mentor, Applied Research Project, "Effects of Compost Tea Application on Nutritive Value, Yield, and Soil Organic Matter", Status: In Progress. (February 1, 2025 - Present). Agricultural Sciences, Texas State University.
Student(s): Lanie Dela Rosa, Graduate, Master of Science.
Olivia Brummett, Graduate, Master of Science.

D. Courses Prepared and Curriculum Development:

Livestock Behavior and Wellness, New Course, Texas State University. Taught: March 2025 - Present.

Additional Comments: Developed curriculum and taught Livestock Behavior and Wellness course in the Agricultural Sciences. This course was offered for the first time Spring 2026.

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

b. Non-refereed Articles:

Sims, M. B., Cauble, R. N., Powell, J., Kegley, E., Foote, A. P., Salak-Johnson, J. L., & Beck, P. A. (Published). Association of maternal temperament and offspring disposition on growth performance.

Cauble, R. N., Powell, J., Kegley, E., Gadberry, S., Beck, P. A., & Sims, M. B. (Published). Effects of an injectable zinc solution at weaning as an alternative castration method during the backgrounding period in beef bulls.

Crook, T. S., Beck, P. A., Gadberry, S., Sims, M. B., Stewart, C. B., Shelton, C., … Chapman, J. D. (Published). Influence of an immune-modulatory feed supplement on performance and immune function of beef cows and calves preweaning.

Beck, P. A., Sims, M. B., Hubbell, D., Galyen, W., Meador, H., Weiss, C. P., & Hess, T. (Published). Effects of tillage method and planting date of wheat pasture on forage production and beef calf performance.

Crook, T. S., Beck, P. A., Gadberry, S., Sims, M. B., Stewart, C. B., Shelton, C., … Koltes, J. E. (Published). Effects of Omnigen-AF ® on Cow Performance.

Crook, T. S., Koltes, J. E., Stewart, C. B., Shelton, C., Sims, M. B., McLean, D. J., … Beck, P. A. (Published). Effect of Omnigen-AF® on the preweaning performance of beef calves.

Beck, P. A., Sims, M. B., Kegley, E. B., Hubbell, D., Hess, T., Galyen, W., … Jennings, J. (Published). Grazing management of mixed alfalfa bermudagrass pastures.

Beck, P. A., Stewart, C. B., Jennings, J. A., Singh, D., & Sims, M. B. (Published). Performance of heifers grazing bermudagrass pastures strip or solid seeded with clovers.

Beck, P. A., Stewart, C. B., Sims, M. B., Gadberry, S., & Jennings, J. A. (Published). Effects of stocking rate, forage management, and grazing management on performance and economics of cow-calf production in Southwest Arkansas.

Beck, P. A., Hess, T., Hubbell, D., Jennings, J., & Sims, M. B. (Published). Replacing synthetic N with clovers or alfalfa in bermudagrass pastures. III Performance of growing calves.

Crook, T., Stewart, C. B., Sims, M. B., Weiss, C., Coffey, K., Coblentz, W., & Beck, P. A. (Published). The effects of moisture at baling and wrapping delay on storage characteristics of annual ryegrass round bale silage.

Beck, P. A., Hess, T., Hubbell, D., Jennings, J., & Sims, M. B. (Published). Replacing synthetic N with clovers or alfalfa in bermudagrass pastures. I. Stand persistence, herbage mass, herbage allowance, and pasture carrying capacity.

Beck, P. A., Hess, T., Hubbell, D., Jennings, J., & Sims, M. B. (Published). Replacing synthetic N with clovers or alfalfa in bermudagrass pastures. II. herbage nutritive quality for growing calves.

Beck, P. A., Tucker, J., Galyen, W., Gadberry, S., Hubbell, D., Hess, T., … Cravey, M. (Published). Effect of supplementing heifers on pasture with bambermycin or monensin on growth and development.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Solice, L. K., Reyes, N., Brummett, O. S., Sims, M. B., Pierdolla, E. L., Rosales Nieto, C. A., … Sims, R. N. (2025). Effects of a bovine appeasing substance applied at estrous synchronization on stress and reproductive performance. Retrieved from https://academic.oup.com/jas/article/103/Supplement_3/376/8274390 https://academic.oup.com/jas/article/103/Supplement_3/376/8274390 Solice et al 2025_ASAS-1.pdf

b. Non-refereed:

Dela Rosa, A. K., Solice, L. K., Reyes, N. E., Brummett, O. S., Sims, M. B., Pierdolla, E. L., … Sims, R. N. (2026). Effects of a bovine appeasing substance applied at estrous synchronization on stress, cyclicity, and pregnancy. In *Animal Science*.

Dela Rosa, A. K., Solice, L. K., Reyes, N., Brummett, O. S., Sims, M. B., Pierdolla, E. L., … Sims, R. N. (Accepted / In Press). Effects of a bovine appeasing substance applied at estrous synchronization on stress, cyclicity, and pregnancy. United States.

Brummett, O. S., Kegley, E., Sims, M. B., Dridi, S., Beck, P., Powell, J., & Sims, R. N. (2025). Injectable zinc as an alternative castration method at weaning in beef bulls: effects on growth performance and carcass characteristics. In *Animal Science*.

6. Abstracts:

Barrera, V., Brummett, O. S., Evans, A. E., Dela Rosa, A. K., Sims, M. B., Rosales Nieto, C. A., … Sims, R. N. (Accepted / In Press). B-defensin, cytokine, and crp expression within blood in calves diagnosed with bovine respiratory disease.

Sims, M. B., Beck, P. A., Stewart, C. B., Shelton, C., Cauble, R. N., & Warner, A. L. (Published). Effects of Maternal Disposition and Calf Chute Behavior at Weaning on Calf Finishing Performance.

B. Works Not in Print:

13. Other Works not in Print:

a. Works "submitted" or "under review":

Abstracts:

Evans, A. E., Brummett, O. S., Dela Rosa, A. K., Barrera, V., Bruner, B. L., Sims, M. B., … Sims, R. N. (Submitted / Under Review). B-defensin gene expression in nasal mucosal secretions of calves with bovine respiratory disease by elevated body temperatures.

b. Works "in progress":

Journal Articles:

Solice, L. K., Brummett, O. S., Reyes, N., Dela Rosa, A. K., Sims, M. B., Bruner, B. L., … Sims, R. N. (In Preparation; Not Yet Submitted). EFFECTS OF A BOVINE APPEASING SUBSTANCE APPLIED AT ESTROUS SYNCHRONIZATION AND THE IMPACTS ON REPRODUCTIVE PERFORMANCE IN BEEF COWS. *Applied Animal Science*.

c. Other Works Not in Print:

Posters:

Hayes, A. (Presenter), Sims, M. B. (Author), Sims, R. N. (Author), Brummett, O. S. (Author), Dela Rosa, A. K. (Author), Matney, H. (Author), TXST

Stem Conference, "Effects of Compost Tea Application on Nutritive Value, Yield, and Soil Organic Matter," San Marcos, TX, United States. (March 27, 2026).

Solice, L. K., Reyes, N. E., Brummett, O. S., Sims, M. B., Pierdolla, E. L., Rosales Nieto, C. A., Bruner, B. L., Powell, J. G., Sims, R. N., Animal Society of Animal Science Graduate Poster Competition, "Effects of a bovine appeasing substance applied at estrous synchronization on stress and reproductive performance." (October 2025).
Lauren Solice Abstract Animal Science-1.pdf
Additional Comments: Lauren K Solice, Natalie E Reyes, Olivia S Brummett, Michael B Sims, Eryn L Pierdolla, Cesar A Rosales-Nieto, Brian L Bruner, Jeremy G Powell, Reagan N Sims, PSI-18 Effects of a bovine appeasing substance applied at estrous synchronization on stress and reproductive performance., *Journal of Animal Science*, Volume 103, Issue Supplement_3, October 2025, Pages 376–377, https://doi.org/10.1093/jas/skaf300.433

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Sims, Reagan Nicole (Principal), Bruner, Brian L (Co-Principal), Sims, Michael B (Co-Principal), Solice, Lauren K (Co-Principal), Brummett, Olivia Suzanne (Co-Principal). The Impacts of Monensin on Fetal Programming and Postnatal Supplementation to Improve Reproductive Efficiency of Heifers, Elanco, Private / Foundation / Corporate, $200,000.00. (Submitted: December 20, 2024). Sponsored Research.

Additional Comments: Was selected for funding but USDA shut down impeded the initiation of the trial. Funding had to be returned.

Sims, Reagan Nicole (Co-Principal), Bruner, Brian L (Co-Principal), Sims, Michael B (Co-Principal), Brummett, Olivia Suzanne (Supporting). SGBI Genetic Variation and Meat Quality, Santa Gertrudis Breeders International, Private / Foundation / Corporate, $20,000.00. (Funded: April 30, 2025 - Present). Gift.

Additional Comments: We were awarded research funding after presenting our research idea at the SGBI annual meeting.

2. Submitted, but not Funded, External Grants and Contracts:

Sims, Reagan Nicole (Principal), Bruner, Brian L (Co-Principal), Sims, Michael B (Co-Principal), Thomas, Christopher S (Co-Principal). Livestock Nutrition and Agricultural Research Center (Research Facilities Act Grant), United States Department of Agriculture, Federal, $250,000.00. (Submitted: May 13, 2024). Grant.

Additional Comments: This grant was re-submitted in hopes that a new classroom and updates working pens could be installed at the Freeman Center for cattle research and extension opportunities.

Sims, Reagan Nicole (Principal), Bruner, Brian L (Co-Principal), Sims, Michael B (Co-Principal), Thomas, Christopher S (Co-Principal). Livestock Nutrition and Agricultural Research Center (Research Facilities Act Grant), United States Department of Agriculture, Federal, $500,000.00. Grant.

Additional Comments: This grant was submitted in hopes that a new classroom and updates working pens could be installed at the Freeman Center for cattle research and extension opportunities.

E. Scholarly / Creative Professional Development Activities Attended:

Conference Attendance, "Beef Cattle Short Course," Texas A&M University, College Station, TX, United States. (August 4, 2025 - August 6, 2025).

Additional Comments: The event featured the Cattleman's College with more than 20 concurrent sessions covering animal health, nutrition, reproduction, genetics, marketing, handling, business, forage, range, and purebred cattle. It also offered live-animal and chute-side demonstrations, trade show exhibitors, and continuing education credits for pesticide license holders and veterinarians.

IV. SERVICE

A. Institutional

3. Department/School:

Co-Chair, SBGI Cohort Research Team - RASE. (November 1, 2025 - Present).

Additional Comments: Grant funded student mentorship program providing 10 accepted students with a $2500 scholarship each semester throughout their undergraduate program to assist with research, data collection, lab analysis, and producer relationships pertaining to the Santa Gertrudis cattle breed.

University Mentor, TXST LEADING. (September 2025 - May 2026).

Additional Comments: Served as faculty mentor to an undergraduate researcher in order to increase research experience to students interested in agriculture research. Aiden Hayes assisted in a research trial investigating the effects of synthetic nitrogen and compost tea applications on soil health and forage quality.

Participant, Intern Display of Experiential Accomplishments (IDEA) Conference. (November 14, 2025).

C. Community:

Member, Santa Gertrudis Breeders International Education and Research Committee, San Marcos, TX. (May 8, 2026 - May 1, 2027).

G. Service Professional Development Activities Attended:

Conference Attendance, "Santa Gertrudis Breeders International Annual Meeting," Kingsville, TX, United States. (April 16, 2026 - April 19, 2026).

Conference Attendance, "Santa Gertrudis Breeders International Annual Meeting," Texas State University, San Marcos, TX, United States. (May 1, 2025 - May 3, 2025).