

**Jon C. Boren**

Associate Dean and Director New Mexico Cooperative Extension Service  
College of Agricultural, Consumer, and Environmental Sciences (ACES)  
New Mexico State University (NMSU) ● [REDACTED]  
[REDACTED]

January 28, 2024

Dear Dr. Aguirre,

I respectfully submit this letter as my application for the position of Dean of the College of Agricultural Sciences at Colorado State University. I believe my 27 years of experience as a faculty member and 15 years of experience as Associate Dean and Director in the College of Agricultural, Consumer and Environmental Sciences (ACES) at New Mexico State University qualify me for this position.

My interest in the Dean of the College of Agricultural Sciences includes providing leadership of the College and partnership with CSU Extension in formulating the College's strategic vision and increasing the visibility and impacts through the tripartite mission of the teaching, research, and Extension. I am particularly interested in the unified system and ability to leverage expertise and resources to elevate academic, research, and outreach impacts throughout the state. The diversity of academic and research departments, opportunity for a strong partnership with CSU Extension, outstanding reputation of the College of Agricultural Sciences faculty and staff across the region and nation, outstanding accomplishments securing grants and contracts including USDA NIFA funds, and the excellent support and relationships with industry and commissions make this leadership position of particular interest after serving in an administrative role at a land-grant university over the past 15 years.

My academic, research, and Extension experiences are products of the land-grant system. I earned my bachelor's and master's degrees in wildlife ecology and doctorate in range science from Oklahoma State University before coming to New Mexico State University in 1996 as an assistant professor and Extension wildlife specialist. I served as Interim Associate Dean and Director of NMSU Cooperative Extension Service from April 2008 to May 2009 and was selected for the permanent position in June 2009 following a national search. I also served as Interim Department Head for Animal Sciences & Natural Resources Department and Family & Consumer Sciences Department while serving as Associate Dean.

My current responsibilities include administrative management and overall program leadership of the New Mexico Cooperative Extension Service that includes nine Extension departments and 310 faculty and staff positions. I am responsible for managing the \$36 million dollar budget; procurement of funds including financial, human, and in-kind resources to enhance the overall organization; personnel management and development; and providing leadership, vision, and coordination for the development and implementation of effective Extension programs. I also am responsible for ensuring integration of the Extension mission with the ACES College's academic and research missions. I was appointed by the NMSU President in 2019 to provide leadership for Goal 3 of the University Strategic Plan to amplify outreach and engagement across the NMSU system because of experience leading large teams to strategically vision the future.

Leadership of NMSU's strategic plan to amplify outreach and engagement included developing a committee with representation from all six academic colleges, our three community colleges, Foundation, Athletics, and central administration. Under my leadership, we developed NMSU system-wide metrics and an online system to capture, quantify and report outreach and engagement activities and impacts from faculty and staff across the university system. I engaged all deans, department heads, and community colleges to increase outreach collaborations across the University system and conduct an annual NMSU Outreach Conference for all faculty and staff.

With the coordinated efforts in ACES Administration, I have revitalized the Cooperative Extension Service Director's Advisory Board, reinitiated the Research and Extension Support Council which includes agricultural and community leaders across the state, developed a new marketing program to showcase the Agricultural Experiment Station and Cooperative Extension Service impacts to legislators and the general public, provided leadership in developing legislative requests to increase Agricultural Experiment Station and Cooperative Extension Service budgets, and implemented a variety of new programs including the Tribal Extension Program and expanded Rural Health Programs in collaboration with the University of New Mexico Health Science Center. In a coordinated effort with the Chancellor, Provost, and Academic Programs, I developed a student recruitment and retention program (*Aggies Next Step*) for the College and University utilizing County Extension Offices across the state. The *Aggies Next Step* program is designed to help youth in 8<sup>th</sup> through 12<sup>th</sup> grades develop personal, academic, and career skills necessary for a successful transition from high school to higher education or career. I also implemented a summer internship program for undergraduates at our 12 Agricultural Science Centers and 33 County Extension Offices. I have provided leadership to develop a minor in dairy science and a range management certificate program. I was the co-chair of a university-wide effort focused on community engagement that includes enhancing service-learning requirements for undergraduates.

I have over 15 years of extensive experience working with state legislatures and county elected officials. I represent Academic Programs, Agricultural Experiment Station, and Cooperative Extension Service in the College of ACES during the legislative session in Santa Fe. I coordinate and lead ACES legislative efforts with the President's Office, Government Relations Office, and the Board of Regents and worked directly with our elected officials. Between FY 2009 and FY 2012 the Cooperative Extension Service and Agricultural Experiment Station experienced a 20% reduction in state appropriations. Through my leadership, along with the help of our policy makers and the grassroots organizations around the state that supported ACES during the legislative session, the Cooperative Extension Service moved from a negative \$3M fund balance in FY 2013 to a positive \$4.5M fund balance in FY 2023. The Agricultural Experiment Station moved from a negative \$3.5M fund balance in FY 2013 to a positive \$3.8M fund balance in FY 2024. In collaboration with the Associate Dean for Research, Extension faculty increased total competitive funding by 19% from FY 2021 and FY 2023. I also have experience co-leading a General Obligations Bond request for \$45 million to provide capital funds for a meat and food science laboratory, biomedical research center, and animal nutrition and feed manufacturing facility. During the 2023 legislation I secured \$2 million in capital outlay funding for equipment needs in our new agriculture modernization facilities and we continue our fundraising campaign for integrated teaching, research, and Extension resource needs.

I have experience securing resources and leading the development of tools to document program impacts, both qualitative and quantitative, for Agricultural Experiment Station and Cooperative Extension Service faculty. These impacts are used with agriculture commodity groups, legislatures, and the general public to articulate and market the importance of the research and Extension

programs in the College of ACES. Impacts are also used for annual performance evaluation and promotion of College faculty. I contracted and coordinated with TEconomy in 2018 for an economic impact analysis of the ACES College. The economic impact reports for our academic, research, and Extension programs were utilized with state legislature and stakeholders.

I have experience increasing the diversity of our faculty and staff working directly with Human Resources (HR) to change job descriptions, strategic job postings, and targeted recruitment efforts. I implemented an "Extension Professional Certification" program that provided on-boarding training for our increasing new faculty workforce. I led our Extension faculty through the *Coming Together for Racial Understanding* program designed to prepare Extension professionals to foster meaningful community conversations around race, leading to positive change. As a Hispanic-Serving Institution (HSI) and with 23 federally recognized tribes in New Mexico, I diversified outreach programs to better meet the needs of our tribal communities and Hispanic agricultural producers. I provided leadership on the ECOP 4-H Diversity and Equity Committee to implement practices and programs to reach new youth audiences across the national Extension system.

Given the land-grant university must continue to be the leader in the sustainability of agriculture in New Mexico and the development of the future workforce, I co-led a Resilience in New Mexico Agriculture Strategic Plan. This effort included 13 regional meetings across the state with over 600 agricultural producers, coupled with a statewide taskforce, to identify key challenges facing New Mexico agriculture and develop strategies to address these concerns. The strategic plan also provides the foundation for future legislative funding support for the diverse New Mexico agricultural industry and the College of ACES. I have extensive experience collaborating with federal and state agencies, agricultural commodity groups, NGO's, University and private foundations, alumni support, and other land-grant universities to foster collaborative research and outreach programs. I also have experience working with leadership of the NIFA, APLU, ECOP, ESCOP to implement national initiatives, including a MOU between APLU and Mexico for joint research and Extension efforts.

I am a strong proponent for teamwork and believe there must be an effective and open working relationship with the Dean and other Associate Deans and Department Heads in the College of Agricultural Sciences. For example, I work closely with the Associate Dean and Director of the Agricultural Experiment Station to integrate our Extension and research programs at our 12 Agricultural Science Centers. We also have collaborated to build interdisciplinary teams to address critical research and Extension needs related to climate mitigation, carbon management and soil health, digital agriculture, border health disparities, and build capacity to better address behavioral health. I also work closely with the Associate Dean and Director of Academic Programs and Academic Department Heads to coordinate student recruitment and retention opportunities through our Extension network and outreach programs. These recruitment efforts increase student enrollment not only in the ACES College but also across the entire NMSU system. For example, I worked closely with the Department Head of Agricultural and Extension Education to develop joint programs to prepare students for employment opportunities with the Cooperative Extension Service. I have strengthened the lines of communications and effectively work with the President and Provost Office, Senior Vice President for Administration and Finance, and the Board of Regents. I also have collaborated with the Deans of Engineering, Health and Social Services, College of Arts and Sciences, College of Business, and Vice President for Research to expand integrated research and outreach efforts across the University along with enhanced service-learning opportunities for students.

I have extensive experience working with broad audiences including faculty and staff, university administration, legislators, farmers and ranchers, and the general public. I work directly with county elected officials and state agencies to develop professional development training for their diverse workforce through our *Education Designed to Generate Excellence in the Public Sector* program. I have experience working with the Governor's Cabinet, particularly the Secretaries for Agriculture, Higher Education, Public Education, Economic Development, Finance and Administration, General Services, Human Services, and Indian Affairs Department. I have extensive experience working with our College's Research and Extension Support Council, which includes agricultural and community leaders across the state, that provides input into the future direction of College of ACES programs.

I believe to be best positioned for future change and opportunities to expand programs, the Dean and Associate Deans must be actively involved in several critical national committees. I have been actively engaged with the Western Extension Directors Association, Extension Committee on Organization and Policy, APLU, and NIFA. I recently served as chair of the ECOP Budget and Legislative Committee, member of ESCOP Budget and Legislative Committee, member of APLU Budget and Advocacy Committee, member of the APLU Strategic Realignment Committee, Co-Chair of the ECOP 4-H Leadership Committee, and member of the 4-H Council Board of Trustees. I also have served on the Leadership for the 21<sup>st</sup> Century (LEAD21) Board of Directors, Western Regional Aquaculture Center Board of Directors, Western Rural Development Board of Directors, Western Regional Coordination Implementation Committee, and Council of State Governments – West.

We must embrace our academic, research, and Extension mission of providing information and education and encouraging the application of research-based knowledge in response to issues affecting individuals, youth, families, agricultural and natural resources industries, and rural and urban communities of the state as we move into the future. I believe we must keep local needs at the forefront and our success will largely be measured on how well we listen. Our Academic Programs, Agricultural Experiment Station, and Cooperative Extension Service systems also must continue to evolve as society's needs and resources evolve. Our programs must continue to reflect emerging concerns of both rural and urban stakeholders. As future opportunities and challenges confront the land-grant system, we must explore more diverse funding sources and programming opportunities while avoiding mission drift.

I firmly believe in developing effective collaborations and utilizing the tripartite mission of education, research, and Extension to meet the needs of the state, nation, and world. The land-grant system provides the academic training, conducts the applied research, and delivers the Extension programs that meet the diverse needs of the state's clientele and communities. Colorado State University College of Agricultural Sciences must continue being the leader for developing students to meet future agricultural, natural resource, and human needs of the state and beyond; conducting applied research to meet future challenges and opportunities; and marketing the importance of agriculture and natural resources to the state, nation, and world.

My vision includes continuing to leverage resources and strengthen collaborations of the College of Agricultural Sciences across Colorado State University system and throughout the state of Colorado. I do not feel it is appropriate to suggest large changes or new direction/vision until becoming familiar with academic, research, and Extension programs in the College of Agricultural Sciences and the need of the constituents of the College and University. The needs of the College of Agricultural Sciences, coupled with the diverse constituents needs across the state, will need to be evaluated and vetted with the administrative team before solidifying new directions. I certainly recognize and fully support

the great work and accomplishments already being done by the College of Agricultural Sciences and it will be important to evaluate the effectiveness, efficiencies, and overall impacts over the first year. This will require developing relationships with faculty, staff, and constituents across the state, and I look forward to serving that role.

My vision includes evaluating capacity and opportunities to collaborate with the other academic colleges to leverage resources and expertise for an integrated academic, research, and Extension/outreach programs to better meet student and stakeholder needs. Future challenges to agriculture and natural resources are ever increasing in complexity and will require multidisciplinary approaches.

My vision includes continuing to focus on student recruitment and retention efforts, including enhancing student scholarships, that will undoubtedly continue to grow in importance with continued pressure and limitations of state appropriations coupled with changing demographics. It is also critical to provide the tools and support necessary to continue leveraging diverse funding sources including grants and contracts. With challenging financial times, a focus also must continue to be placed on alumni relations and solid fundraising and industry partnership strategies to ensure the future vitality of the College of Agricultural Sciences at Colorado State University.

The position of Dean of the College of Agricultural Sciences at Colorado State University is vital, especially given the many state and federal changes that will impact Academic Programs, Agricultural Experiment Station, and Cooperative Extension Service coupled with the future leadership, growth, and continued success of CAS. I have enjoyed serving as Associate Dean and Director and know my knowledge, experience, administrative capabilities, and vision make me a viable candidate for the position of Dean of the College of Agricultural Sciences at Colorado State University.

I look forward to discussing my abilities and your institutions needs and how I can contribute to the continued success of the University and state.

Sincerely,



Jon C. Boren  
Associate Dean and Director  
College Agricultural, Consumer and Environmental Sciences  
New Mexico State University

**Jon C. Boren**

Associate Dean and Director New Mexico Cooperative Extension Service  
College of Agricultural, Consumer, and Environmental Sciences (ACES)  
New Mexico State University (NMSU) ● [REDACTED]

**Philosophy of Education, Research, Leadership, Communication, and Management**

Undoubtedly the importance and relevance of the land-grant university mission in developing effective collaborations and utilizing the tripartite mission of education, research, and Extension to meet the needs of the state, nation, and world is more important now than ever. The land-grant system must continue to provide the academic training needed to develop tomorrow’s workforce, conduct the applied research to meet future challenges and opportunities, and deliver the Extension programs that meet the diverse needs of the state’s clientele and communities. We also must keep up with the continued changes of the land-grant system landscape including innovative ways to enhance student recruitment and retention, ensure we are developing skillsets for future industry and workforce needs, diversify funding streams given current limitations of state and federal capacity funds, and ensure meeting traditional research and Extension clientele needs while building capacity to address emerging priorities and needs that will require interdisciplinary approaches.

**Education**

The future of education in agriculture at colleges will be shaped by advancements in technology, sustainable practices, and the evolving needs of the agricultural industry. There will be greater integration of data science, precision agriculture, and agricultural technology in educational programs. Additionally, there may be an increased emphasis on sustainable and regenerative practices to address environmental concerns. As agriculture becomes more interconnected with numerous fields, future education should encourage interdisciplinary collaborations including programs in the colleges of business, engineering, natural resources, and health and human services. I believe it will be critical for effective collaborations between academia and industry in preparing students for the challenges and opportunities in the future of agriculture. I believe we must continue working with our agricultural industries to understand future skillsets and workforce needs of the future. We must have an intentional focus on student recruitment and retention efforts, including enhancing student scholarships, that will undoubtedly continue to grow in importance with continued pressure and limitations of state appropriations coupled with changing demographics. I believe there are great opportunities through the agricultural experiment station research centers across the state and partnerships with Cooperative Extension to enhance student recruitment and retention. The importance of quality internships with industry will also continue to grow in importance.

**Research**

Research in today’s land-grant system must be targeted to attract competitive grants and contracts as well as establish sound research agendas with multidisciplinary, multi-institutional teams who can solve the wicked challenges facing agriculture, the environment, and our natural resources today and in the future. As the state’s Land-grant University, coupled with the network of experiment station research centers and collaborations among other university colleges, we must focus on solving research needs for Coloradans. It is critical for leadership to assess potential projects viable for researchers, the college, university, Colorado, the nation, and the world. I believe it is imperative to seek opportunities for abilities and skills held in the college and help develop teams in this ever-competitive environment. I

look forward to working with current leadership, faculty, staff, and stakeholders to enhance the goals and direction of CSU AES research. My commitment is to continue to increase the visibility of CSU research and assets, seek opportunities for increased multistate projects, work with college and departmental leadership, faculty, and staff to determine opportunities to increase research productivity, whereby strengthening and expanding the land-grant mission through increased state, nation, and global collaboration, while identifying areas to increase efficiency. The Dean must seek ways support and empower faculty and staff, while working closely with the associate deans and department heads, to ensure research productivity, increase collaborations with industry and stakeholders, and utilize institutional data for decision making that can grow the visibility and impact of our research.

### **Leadership and Management**

I am a strong proponent for teamwork and believe there must be an effective and transparent working relationship with the administrative team, faculty, staff, students, and clientele/industry. I truly value differing views on various topics that must be addressed, and we should value each view because if offered in the context of mutual trust and respect, better decisions are made. Our respect for our differences allows us to grow, learn, understand, and develop new perspectives. Central to our heritage as a land-grant university is the responsibility to provide opportunities for all people. We deeply care about all people and the value we can add to their life and our society by their involvement with us. Our most fundamental mission is that of helping people achieve their goals. We have an obligation to provide education, research, and Extension programs of the highest quality to enhance economic prosperity and quality of life. Leadership is ultimately measured by how well we help others achieve their aspirations and potential. With a leadership philosophy of service, I will be active and intentional with a belief that most things are possible if we choose to cooperate, share, and help each other. The College of Agricultural Sciences at CSU is a unique family that is bound together by a rich heritage, common purpose, and concern for one another. It is important that we celebrate the many accomplishments of our land-grant heritage but also daily ask “How can we become better as a team?”

I know the value of ensuring and building a highly inclusive organizational culture. This includes being intentional with diversity, equity, and inclusion at all levels. I value diversity, collegiality, respect, and teamwork and believe these are the basis of meaningful conversations to effectively pursue and enhance the mission of departments, colleges, and universities. It is imperative that everyone be aware and model an inclusive culture to positively impact individuals, groups, and others within an organization to ensure success. Alignment of these factors help establish a healthy work environment where employees feel valued and are, therefore, more productive.

### **Communication**

Clear and effective communication is essential for conveying the college's mission, goals, and achievements to various stakeholders, including students, faculty, industry partners, and the wider community. Leadership must recognize effective communication is the key to implementing change and strategic direction. Under communicating the “why” for change is often the primary reason change is not successful. I value the importance of fostering a culture that promotes idea sharing realizing the diversity of ideas ultimately strengthen the decision-making process. I also value developing relations in the college, across the university, and with stakeholders and alumni. Building strong relationships through effective communication both internally (colleges and campuses) and externally (industry, legislators, alumni) is critical for fund development and resource generation. The key to donor development is about developing and continually cultivating strong and genuine relationships with alumni, industry, and clientele.

Curriculum Vitae

**JON C. BOREN**

Associate Dean and Director New Mexico Cooperative Extension Service  
College of Agricultural, Consumer, and Environmental Sciences (ACES)  
New Mexico State University (NMSU) • [REDACTED]

**Education:**

B.S. Oklahoma State University, Wildlife Ecology May, 1989  
M.S. Oklahoma State University, Wildlife Ecology May, 1992  
Ph.D. Oklahoma State University, Range Sciences December, 1995

**Current Position:**

Associate Dean and Director New Mexico Cooperative Extension Service, College of Agricultural, Consumer and Environmental Sciences, New Mexico State University (*Appointed Interim April 2008 – April 2009, Selected for Permanent Position May 2009 following national search*)

Professor, Extension Wildlife Specialist, Department of Animal Sciences and Natural Resources, New Mexico State University

**Previous Positions:**

2010 – 2011 Concurrently served as Interim Department Head for Family and Consumer Sciences, New Mexico State University  
2005 – 2006 Concurrently served as Interim Department Head for Animal Sciences and Natural Resources, New Mexico State University  
1996 – 2008 Professor, Extension Wildlife Specialist, Department of Animal Sciences and Natural Resources, New Mexico State University  
1995 – 1996 Post-Doctoral Fellow, Department of Agronomy, Oklahoma State University  
1993 – 1995 Ph.D. Research Assistant, Department of Agronomy, Oklahoma State University  
1989 – 1993 M.S. Research Assistant, Dept. of Zoology, Oklahoma State University  
1987 – 1988 Wildlife Biologist Assistant, Bureau of Land Management, Utah

**Recent Emphases/Goals:**

**Administration:** Appointed Associate Dean and Director New Mexico Cooperative Extension Service in May 2009. Responsibilities include administrative management and overall program leadership of the Cooperative Extension Service and other delegated authorities, duties and responsibilities assigned by the Dean or Central Administration. Appointed by President in 2019 to provide leadership for Goal 3 of NMSU Strategic Plan – Amplify Outreach and Engagement - across the NMSU System.

**Extension:** Developed extension programs related to wildlife damage control, wildlife enterprises on private land, New Mexico wildlife education and management, youth development in natural resources.



## Curriculum Vitae

**Research:** Wildlife/livestock interaction; foraging relationships between elk, mule deer and cattle on Southwestern forests; elk utilization on upland and riparian grassland habitats; effects of sivicultural practices on fire behavior and wildlife habitat.

**Academics:** Served as Interim Department Head for Animal Sciences & Natural Resources and Family Consumer Sciences. Served as major advisor to graduate students in the Fish, Wildlife & Conservation Ecology Department and Animal & Range Sciences Department. Provided lectures to wildlife techniques and range science classes.

**Service:** Extension Committee on Organization and Policy (ECOP); Leadership for the 21<sup>st</sup> Century (LEAD21) Board of Directors; Western Extension Directors Association (WEDA); Council of State Governments-West; College of Agricultural, Consumer and Environmental Sciences Administrative Cabinet.

### **Administration/Leadership Programs**

NASULGC New Dean/Director/Administrator/National Program Leaders Orientation Workshop (2008)

Leadership for the 21<sup>st</sup> Century (LEAD21) (2007)

New Mexico Agriculture Leadership Development Program (2004 - 2005)

### **National Committees:**

Chair, Western Extension Directors Association (2023 – present)

Member, ECOP Program Committee (2022 – present)

Member, Extension Committee on Organization and Policy (2012 – 2016, 2022 - present)

Member, Western Extension Directors Association (2008 – present)

Member, National 4-H Council Board of Trustees (2021 - 2023)

WEDA Representative, Western Region Program Leaders Committee (2011 – 2015, 2021 – 2023)

Member, National 4-H Diversity & Equity Steering Committee (2020 – 2022)

Chair, ECOP Budget and Legislative Committee (2018 – 2022)

Member, APLU Budget and Advocacy Committee (2018 – 2022)

Member, ESCOP Budget and Legislative Committee (2018 – 2022)

Member, APLU Strategic Budget Realignment Committee (2019 – 2021)

Co-Chair, ECOP 4-H Leadership Committee (2018 – 2021)

WEDA Representative, Western Extension Leadership Development Steering Committee (2014 – 2021)

Co-Chair, Extension Committee on Organization and Policy Program Subcommittee (2014 – 2016)

ECOP Representative, LEAD21 Board of Directors (2012 - 2016)

WEDA Representative, First Americans Land-Grant Consortium (2012 - 2016)

Member, Board of Directors Western Regional Aquaculture Center (2010 – 2014)

Chair, Western Extension Directors Association (2010 – 2011)

Member, Western Regional Coordination Implementation Committee (2008 – 2011)

Member, Council of State Governments-West (2008 – present)

Co-Chair, 2006 Society for Range Management Prescribed Grazing to Benefit Wildlife Habitat Symposium (2005 – 2006)

Member, National Wildlife and Fisheries Extension Conference Planning Committee (2005 - 2006)

Member, Western Regional Aquaculture Center Extension Advisory Board (1997 - 2006)

## Curriculum Vitae

Member, National 4-H Habitat Evaluation Committee (1997 - 2006)  
Member, Academic Core Recovery Team for Southwestern Willow Flycatcher (1997 – 2004)  
Chair, National 4-H Wildlife Habitat Evaluation Committee (2004 - 2005)  
Peer Reviewer, *Journal of Range Management* (1998 - 2005)

### **State Committees:**

Chair, New Mexico Certified Public Manager Advisory Board (2011 – present)  
Member, New Mexico Food and Agriculture Council (2010 – present)  
Member, New Mexico Beef Industry Improvement Task Force (2010 – present)  
Member, New Mexico Agriculture and Government Relations Committee (2009 – present)  
Member, New Mexico Association of Counties (2008 – present)  
Instructor, M-44 training in cooperation with the New Mexico Department of Agriculture for private applicators license (1996 - 2008)  
Member, New Mexico Department of Game and Fish Lesser Prairie Chicken Technical Review Committee (2005)  
Member, State Elk/Livestock Carrying Capacity Task Force (2001 – 2004)  
Member, Technical Review Committee for New Mexico Prairie Dog Conservation Plan (2001 - 2004)  
Member, Interagency Task Force for Elk and Livestock Interaction (2000 - 2002)  
Board of Directors, New Mexico Chapter of The Wildlife Society (1999 - 2000); Treasurer (2001)  
Coordinator, New Mexico Elk Census Task Force (1997 - 1998)  
Member, New Mexico State Depredation Committee (1996 - 1997)

### **University/College Committees:**

Chair – NMSU Goal 3 Amplify Outreach and Engagement Committee (2019 – present)  
Co-Chair – New Mexico State University Community Engagement Council (2014 – 2018)  
Member – President’s Communication Council/Marketing Committee (2013 – present)  
Co-chair – New Mexico State University Carnegie Community Engagement Classification Committee (2012 and 2019 - present)  
Member – College of Agricultural, Consumer and Environmental Sciences Administrative Cabinet (2008 – present)  
Chair – New Mexico Cooperative Extension Service Administrative Cabinet (2008 – present)  
Member – New Mexico State University Extension, Outreach, and Service Idea Team (2014)  
Member – New Mexico State University Centennial Committee (2012)  
Member – Vice Provost for Economic Development Strategic Business Plan Committee (2011 – 2012)  
Member - Agriculture and Home Economics Promotion and Tenure Action Team (2007 – 2008)  
Member – College of Agriculture and Home Economics Extension Promotion and Tenure Committee (2007 - 2008)  
Member – College of Agriculture and Home Economics Strategic Planning Committee (2003 – 2005)  
Member – CES Administrative Cabinet (2005)  
Member – CES Director Advisory Board (1999 – 2000, 2003 – 2005)  
Member – NMSU Faculty Senate (2003 - 2005)  
Member – NMSU Scholastic Affairs Committee (2005)  
Member – NMSU Faculty Affairs Committee (2003 – 2005)  
Treasurer - Extension Specialist Association (1997), Vice President (1998), President (1999), Past President (2000), Member (2001 - 2005)

## Curriculum Vitae

Member - 4-H Curriculum Review Committee (1997 - 1999, 2004 - 2005)  
Member - New Mexico Federation of Extension Associations (1997), President (1998), Past President (1999), Member (2000 - 2001)  
Member - ACE Mentoring Program (1998 - 2001)  
Member - Staff Development Advisory Committee (1998 - 1999)  
Member – Range Improvement Task Force (1996 – 2008)  
Faculty Co-Advisor - New Mexico State University Wildlife Society (1996 - 1998)

### Honors:

Fabian Garcia Founders' Award of Excellence for Outstanding Leadership, 2018  
New Mexico State University Research Achievement Millionaire Award, 2011-2016  
Epsilon Sigma Phi Epsilon Visionary Leadership Award, 2010  
State Early Career Award from Epsilon Sigma Phi, New Mexico State University, 1999  
Dept. of Agronomy Outstanding Ph.D. Student Award, Oklahoma State University, 1995  
Society for Range Management Ph.D. Graduate Student Paper Award, 1995  
Sigma Xi, Oklahoma State University, 1994  
Phi Kappa Phi Honor Society, Oklahoma State University, 1992  
Dept. of Zoology Outstanding Master Student Award, Oklahoma State University, 1992  
Oklahoma Academy of Science Professionalism Award, 1991  
Golden Key National Honor Society, Oklahoma State University, 1988

### Selected Publications:

Reed, S.A., L.E. Swanson, J.C. Boren, C. Hibberd, D. Pearl, R. Reddix, R. Rennekamp, F. Schlutt (editors). 2022. Engaged scholarship: sharing views of possible futures for extension and university-wide engagement. *Journal of Community Engagement and Scholarship*. Volume 14, Issue 3.

Bender, L.C., J.C. Boren, S. Cox, and B. Hoenes. 2021. Does condition of adult male cervids reflect condition of adult females? A test with mule deer. *Mammal Research* 66(4).

Bender, L.C., J.C. Boren, H. Halbritter, and S. Cox. 2013. Factors influencing survival and productivity of pronghorn in a semiarid grass/woodland in east-central New Mexico. *Human-Wildlife Interactions* 7(2):313-324.

Bender, L.C., J.C. Boren, H. Halbritter, and S. Cox. 2013. Effects of site characteristics, pinyon-juniper management, and precipitation on quality for mule deer in New Mexico. *Human-Wildlife Interactions* 7(1):47-59.

Bender, L.C., J.C. Boren, H. Halbritter, and S. Cox. 2011. Condition, survival, and productivity of mule deer in semiarid grassland-woodland in east-central New Mexico. *Human-Wildlife Interactions* 5(2):276-286.

Wampler, C.R., J.K. Frey, D.M. VanLeeuwen, J.C. Boren, and T.T. Baker. 2009. Mammals in mechanically thinned and non-thinned mixed coniferous forest in the Sacramento Mountain, New Mexico. *Southwestern Naturalist* 53(4):431-443.

## Curriculum Vitae

Mason, G.J., T.T. Baker, D.S. Cram, J.C. Boren, A.G. Fernald, and D.M. VanLeeuwen. 2009. Mechanical fuel treatment effects on understory vegetation in a south central New Mexico dry mixed conifer forest. *Forest Ecology and Management* 257(3):868-875.

Mason, G.J., T.T. Baker, D.S. Cram, J.C. Boren, A.G. Fernald, and D.M. VanLeeuwen. 2008. Mechanical fuel treatment effects on fuel loads and indices of crown fire potential in a south central New Mexico dry mixed conifer forest. *Forest Ecology and Management* 251(3):195-204.

Halbritter, H.J., S.T. Smallidge, J.C. Boren, and S. Eaton. 2008. A guide to identifying livestock depredation. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 77.

Nistler, C.M., J.C. Boren, and D. Rollins (eds.). 2007. Symposia: Prescribed livestock grazing to enhance wildlife habitat. Proceedings of the Symposium presented at the 59<sup>th</sup> Annual Society for Range Management Meeting. Montana State University Press.

Boren, J.C., and T.T. Baker. 2007. Challenges and opportunities for developing prescribed grazing guidelines to enhance habitat for endangered species in the Southwest. Pages 47 – 59 *In* Proceedings of the Symposium presented at the 59<sup>th</sup> Annual Society for Range Management Meeting. Montana State University Press.

Baker, T.T., J.C. Boren, and M.K. Wood. 2007. Livestock grazing prescriptions to enhance riparian wildlife habitat? A review. Pages 30 – 46 *In* Proceedings of the Symposium presented at the 59<sup>th</sup> Annual Society for Range Management Meeting. Montana State University Press.

Boren, J.C. 2007. Bats in buildings: Proper exclusion techniques in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-202.

Boren, J.C., S.C. Eaton, and F. Hodnett. 2007. 4-H project booklet: Big game in New Mexico. New Mexico State University Cooperative Extension Service, 100.J-26.

Mason, G.J., Terrell T. Baker, Douglas S. Cram, Jon, C. Boren, Alexander G. Fernald, Dawn M. VanLeeuwen. 2007. Mechanical fuel treatment effects on fuel loads and indices of crown fire potential in a south central New Mexico dry mixed conifer forest. *Forest Ecology and Management* 251(3):195-204.

Allison, C., Holechek, J., T.T. Baker, J.C. Boren, and J. Fowler. 2007. Rapid assessment methodology for determining range condition. *Rangelands* 29(2):45-50.

Pehr, D.J., T.T. Baker, J. Boren, D. Cram, G. Mason. 2006. Branching Out: NMSU Researchers Study Impact of Forest Thinning. NMSU Research and Resources. 1(1):12-13.

Cram, D. S., T. T. Baker, J. C. Boren, and C. B. Edminster. 2006. Wildland fire effects in silviculturally treated vs. untreated forest stands of New Mexico and Arizona. Research Paper RMRS-RP-55. Fort Collins, Colorado: U. S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 28 p.

Holechek, J., T.T. Baker, J.C. Boren, and D. Gault. 2006. Grazing impacts on rangeland vegetation: what we have learned. *Rangelands* 28(1): 7-13.

## Curriculum Vitae

Boren, J.C., T.T. Baker, D. Cowley, G. Mason, S. Eaton, and B. Hurd. 2004. Terrestrial Vegetation inventory of water delivery systems between San Acacia Diversion and the Bosque Del Apache national Wildlife Refuge. New Mexico Water Resource Research Institute Technical Completion Report.

Allison, C.D., J. Holechek, J.C. Boren, T.T. Baker, J.M. Fowler, N.K. Ashcroft, and A.P. McIntosh. 2004. Using the rapid assessment methodology (RAM) to make adaptive management decisions. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 58.

Holechek, J.L., T.T. Baker, and J.C. Boren. 2004. Impacts of controlled grazing versus grazing exclusion on rangeland ecosystems: what we have learned. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 57.

Boren, J.C., T.T. Baker, B.J. Hurd. 2004. Tanning deer hides and small fur skins. New Mexico State University Cooperative Extension Service, Guide L-103.

J.C. Boren, B.J. Hurd. 2004. How to prepare pelts. New Mexico State University Cooperative Extension Service, Guide L-101.

Boren, J.C., T.T. Baker, and D.E. Cowley, B.J. Hurd. 2003. Growing trout in New Mexico ponds. New Mexico State University Cooperative Extension Service, Guide L-108.

Hurd, B.J., and J.C. Boren. 2003. Effects of big game and livestock on plant cover in logged areas. Proceedings of the Fifth Western States and Provinces Deer and Elk Workshop, Jackson Hole, Wyoming.

Hurd, B.J., and J.C. Boren. 2003. Effects of big game and livestock on plant cover in logged areas of the Sacramento Mountain. Proceedings of the 2003 New Mexico/Arizona Joint Wildlife Society Meetings, Gallup, NM.

Finch, D.M., S.I. Rothstein, J.C. Boren, W.L. Graf, J.L. Holechek, B.E. Kus, R.M. Marshall, S.J. Sferra, M.K. Sogge, J. Stromberg, B.A. Valentine, M.J. Whitfield, and S.O. Williams. 2003. Southwestern willow flycatcher recovery plan. U.S. Fish and Wildlife Service, Albuquerque, NM.

Boren, J.C., and B.J. Hurd. 2003. Rabbits and their control in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-210.

Boren, J.C., and B. J. Hurd. 2003. Controlling nuisance woodpeckers in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-211.

Boren, J.C., and B. J. Hurd. 2003. Controlling nuisance birds in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-212.

Boren, J.C., and R. Valdez. 2002. Rodent control and protection from hantavirus. New Mexico State University Cooperative Extension Service, Guide L-209.

Boren, J.C., and B.D. Wright. 2002. Controlling bats in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-202.

## Curriculum Vitae

Tafoya, J.J., V.W. Howard, Jr., and J.C. Boren. 2001. Diets of elk, mule deer and coues white-tailed deer on Fort Bayard in southwestern New Mexico. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 52.

Allison, C.D., T.T. Baker, J.C. Boren, B.D. Wright, and S. Fernald. 2001. Range, riparian, water quality, and wildlife monitoring for ranchers in New Mexico. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 53.

Allison, C.D., T.T. Baker, J.C. Boren, and S. Fernald. 2001a. Field kit developed to monitor rangelands, riparian areas, water quality, and wildlife on ranchers in New Mexico. New Mexico State University Cooperative Extension Service.

Allison, C.D., T.T. Baker, J.C. Boren, B.D. Wright, and S. Fernald. 2001b. Field notebook and data sheets developed to monitor rangelands, riparian areas, water quality, and wildlife on ranchers in New Mexico. New Mexico State University Cooperative Extension Service.

Baker, T.T., J.C. Boren, and C.D. Allison. 2001. Strategies for livestock management in riparian areas in New Mexico. New Mexico State University Cooperative Extension Service, Guide B-119.  
Boren, J.C., and B.D. Wright. 2001. Controlling rock squirrels in New Mexico. New Mexico State University Cooperative Extension Service, Circular 574.

Baker, T.T., and J.C. Boren. 2000. Livestock management in woody-dominated Southwestern riparian areas: A summary and extrapolation of the literature. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 50.

Allison, C.D., J.C. Boren, and T.T. Baker. 2000. Herbaceous utilization by elk in selected mountain meadows in the Gila National Forest. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 49.

Baker, T.T., and J.C. Boren. 2000. Revisions to the aquatic ecology curriculum for New Mexico 4-H sportfishing program curriculum. New Mexico State University Cooperative Extension Service.

Boren, J.C., and B.D. Wright. 1999. Wildlife survival in desert environments. *New Mexico Journal of Science*, Volume 39.

Treadaway, M., V.W. Howard, Jr., C.D. Allison, M.K. Wood, and J.C. Boren. 1999. Forage utilization by elk and livestock in selected riparian areas in the Gila National Forest. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 47.

Boren, J.C., D.M. Engle, R.E. Masters, and T. G. Bidwell. 1999. Effects of land use change on breeding bird community structure in a forest-grassland ecotone. *Journal of Range Management* 52:420-430.

Criner, T.L., D.M. Engle, J.C. Boren, and R. E. Masters. 1999. Response of breeding birds in the Great Plains to low density urban sprawl. *Great Plains Research* 9:55-73.

Boren, J.C., and B.D. Wright. 1999. Identifying and preserving wildlife tracks. New Mexico State University Cooperative Extension Service, Circular 561.

## Curriculum Vitae

Boren, J.C., and B.D. Wright. 1999. Controlling Skunks in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-204.

Boren, J.C. 1999. Vertebrate pest management for turfgrass managers in the Southwest. Proceedings from the 1999 Southwest Turfgrass Annual Conference, New Mexico State University Cooperative Extension Service.

Boren, J.C. 1998. Relationships between elk, cattle and mule deer. Proceedings from the Conference on Livestock and Elk Habitat Management in the Southwest, Society for Range Management and New Mexico Cooperative Extension Service.

Wright, B.D., J.C. Boren, J.M. Fowler, and R.L. Steiner. 1998. Comparisons between New Mexico fee hunting enterprises on public and private land ranches. In: M.D. Talavera, R.B.E. Gama, S.F. Clemente, and N.J. y Palacio. (eds.). Memoria II Congreso Internacional sobre Aves y Mamiferos Cinegeticos del Mundo. Colegeticos del Mundo. Colegio de Postgraduados, Campus San Luis Potosi. Toluca, Estado de Mexico. Mexico. 79 p.

Boren, J.C., and B.D. Wright. 1998. Attracting hummingbirds to your backyard. New Mexico State University Cooperative Extension Service, Circular 558.

Boren, J.C., B.D. Wright, M.J. Daniel, D.E. Martinez, and O.A. Martinez. 1998. New Mexico 4-H sportfishing program curriculum. New Mexico State University Cooperative Extension Service.

Boren, J.C., and B.D. Wright. 1998. Field care of harvested big game. New Mexico State University Cooperative Extension Service, Circular 507.

Boren, J.C. and B.D. Wright. 1998. New Mexico snakes: information for New Mexico homeowners. New Mexico State University Cooperative Extension Service, Circular 541.

Boren, J.C. 1997. Brown-headed cowbird parasitism on southwestern willow flycatcher: a literature review. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 44.

Boren, J.C., V.W. Howard, Jr., D.S. Casady, and G. Morris Southward. 1997. Management of mountain mahogany and Wright's silktassel to increase browse availability for big game. New Mexico State University Cooperative Extension Service, Range Improvement Task Force Report 43.

Boren, J.C., D.M. Engle, M.S. Gregory, R.E. Masters, T.G. Bidwell, and V.A. Mast. 1997. Landscape structure and change in a hardwood forest-tallgrass prairie ecotone. *Journal of Range Management* 50:244-249.

Boren, J.C., D.M. Engle, and R.E. Masters. 1997. Vegetation cover type and avian species changes on landscapes within a wildland-urban interface. *Ecological Modelling* 103:251-266.

Treadaway, M., V.W. Howard, Jr., C.D. Allison, and J.C. Boren. 1997. Elk vs. livestock: forage utilization study in portions of the Gila National Forest. Proceedings of the Thirteenth Great Plains Wildlife Damage Control Workshop.

Boren, J.C. 1997. Prairie dog control in New Mexico. New Mexico State University Cooperative Extension Service, Guide L-201.

## Curriculum Vitae

Boren, J.C. 1997. Controlling pocket gophers in New Mexico. New Mexico State University Cooperative Extension Service, 400 L-2.

Wright, B.D., and J.C. Boren. 1997. FFA wildlife contest: wildlife skulls. New Mexico State University Cooperative Extension Service.

Wright, B.D., and J.C. Boren. 1997. FFA wildlife contest: wildlife tracks. New Mexico State University Cooperative Extension Service.

Boren, J.C., R.L. Lochmiller, and D.M. Leslie, Jr. 1996. Relationship of serum and muscle free amino acids to dietary protein in northern bobwhite. *Proceedings of the Oklahoma Academy of Science* 76:55-65.

Boren, J.C. 1996. Multiple use resource management: recreational lease opportunities for New Mexico landowners. Proceedings of the Fourth Annual Southwest Beef Efficiency Enhancement Forum, Department of Animal and Range Sciences, New Mexico State University and New Mexico Cooperative Extension Service.

Boren, J.C., R.L. Lochmiller, D.M. Leslie, Jr., and D.M. Engle. 1995. Amino acid concentrations in seed of preferred forages of bobwhites. *Journal of Range Management* 48:141-144.

Peoples, A.D., R.L. Lochmiller, D.M. Leslie, Jr., J.C. Boren, and D.M. Engle. 1994. Essential amino acids in northern bobwhite foods. *Journal of Wildlife Management* 58:167-175.

Peoples, A.D., R.L. Lochmiller, J.C. Boren, D. M. Leslie, Jr., and D. M. Engle. 1994. Limitations of amino acids in diets of northern bobwhites (*Colinus virginianus*). *American Midland Naturalist* 132:104-116.

Boren, J.C., R.L. Lochmiller, and M.R. Vestey. 1993. Profiles of serum amino acids to assess condition of cotton rats (*Sigmodon hispidus*). *Journal of Mammalogy* 74:943-951.

Boren, J.C., R.L. Lochmiller, D.M. Leslie, Jr., and D.M. Engle. 1993. Long-term effects of woody vegetation management on seasonal body condition of northern bobwhites. *Journal of Range Management* 46:520-523.

Boren, J.C., R.L. Lochmiller, J.F. Boggs, S.T. McMurry, D.M. Leslie, Jr., D.M. Engle, and H. E. Jordan. 1993. Responses of intestinal nematodes in white-footed mouse (*Peromyscus leucopus*) populations to rangeland modification. *Proceedings of the Oklahoma Academy of Science* 73:39-44.

Boren, J.C., R.L. Lochmiller, J.F. Boggs, and D.M. Leslie, Jr. 1993. Gastrointestinal helminths of eastern woodrat populations in central Oklahoma. *Southwestern Naturalist* 38:146-149.

Lochmiller, R.L., M. Vestey, J.C. Boren. 1993. Relationship between protein nutritional status and immunocompetence in juvenile northern bobwhites. *Auk* 110:503-510.

Anderson, S., and J.C. Boren. 1990. Deer in Oklahoma: natural history and management. Oklahoma State Extension Facts No. 9009, Oklahoma State University, Stillwater, OK.



## Curriculum Vitae

### **Selected Grants Awarded**

Baker, T.T., J.C. Boren, D. Cram, and B. Hurd. 2008-2010. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$176,354 total).

Boren, J.C., T.T. Baker, D. Cram. 2007-2008. Foraging relationships between elk, mule deer and cattle on salvage-logged sites in southwestern national forests: Research joint venture amendment for Phase Four. USDA Rocky Mountain Experiment Station Grant (\$148,176 total).

Boren, J.C., T.T. Baker, J. Fowler, and C.D. Allison. 2006 – 2008. . New Mexico State University's Joe Skeen Institute for Forest and Rangeland Management Research – Forest/Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration. (\$92,000 total).

Baker, T. T., J. C. Boren, D. Cram, J. Fowler, and C.D. Allison. 2006-2008. New Mexico State University's Joe Skeen Institute for Forest and Rangeland Management Research – Forest/Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration. (\$92,000 total).

Boren, J.C., and Baker, T.T. 2006-2007. Foraging relationships between elk, mule deer and cattle on salvage-logged sites in southwestern national forests: Research joint venture amendment for Phase Three. USDA Rocky Mountain Experiment Station Grant (\$80,888 total).

Baker, T.T., J.C. Boren, D. Cram, and B. Hurd. 2006-2007. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$105,696 total).

Boren, J.C., B.J. Hurd, and S. Eaton. 2004–2007. 4-H youth education in fisheries and wildlife management. United States Fish and Wildlife Service, Extension/Sea Grant Program (\$50,000 total).

Boren, J.C., Baker, T.T., D. Cram, J. Fowler, and C.D. Allison. 2004-2006. New Mexico State University Joe Skeen Institute for Forest and Range management Research and Education: Wildlife Management and Ecology. (\$115,464 total).

Boren, J.C., Baker, T.T., D. Cram, J. Boren, J. Fowler, and C.D. Allison. 2003-2005. New Mexico State University Joe Skeen Institute for Forest and Range Management Research and Education: Wildlife Management and Ecology. (\$145,102 total).

Boren, J.C. and T.T. Baker, B. Hurd, and D. Cram. 2004. Foraging relationships between elk, mule deer and cattle on salvage-logged sites in southwestern national forests: Research joint venture amendment for Phase Two. USDA Rocky Mountain Experiment Station Grant (\$83,000 total).

Baker, T.T., J.C. Boren, D. Cram, and B. Hurd. 2003-2006 Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$83,000/yr for 3 years, \$102,702 for 1 year, \$351,702 total).

## Curriculum Vitae

Boren, J.C., T.T. Baker, B. Hurd, J. Fowler. 2002-2003. Foraging relationships between elk, mule deer and cattle on southwestern national forests: Research joint venture amendment for phase two. USDA Forest Service Rocky Mountain Research Station Grant (\$80,000/yr for 2 years, \$160,000 total).

Boren, J.C., T.T. Baker, and B.D. Wright. 2002-2003. Natural Resources Education for New Mexico Youth. Submitted to the United States Fish and Wildlife Service, Extension/Sea Grant Program (\$24,000 total).

Cowley, D.E., and J.C. Boren (Co-PI). 2001-2004. Agricultural irrigation systems and conservation of native fishes. Efficient Irrigation for Water Conservation in the Rio Grande Basin, New Mexico State University College of Agriculture and Home Economics (\$110,438 total).

Cowley, D.E., and J.C. Boren (Co-PI). 2002-2003. Water conveyance habitat assessment for the Middle Rio Grande Conservancy District. U.S. Bureau of Reclamation (\$35,591 total).

Baker, T.T., J.C. Boren, J.M. Fowler, and A. Fernald. 2001-2002. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$112,500/yr for 2 years, \$225,000 total).

Boren, J.C., B.D. Wright, and T.T. Baker. 2000-2001. Foraging relationships between elk, mule deer and cattle on southwestern national forests: Research joint venture amendment for phase two. USDA Forest Service Rocky Mountain Research Station Grant (\$60,000/year for 2 years, \$120 total).

Valdez, R., and J.C. Boren. 2000. Annotated bibliography and outreach program for hantavirus. U.S. Department of Defense, Tooele Army Depot (\$14,750 total).

Baker, T.T., J.C. Boren, J.M. Fowler, and C.D. Allison. 2000-2001. Grazing Management of Southwestern Riparian Areas. Scarborough Linebery Foundation (\$15,000 total for 2 years).

Boren, J.C., and B.D. Wright. 1999. Foraging relationships between elk, mule deer and cattle on Southwestern national forests. USDA Forest Service Rocky Mountain Research Station Grant (\$100,000 total).