Research Soil Scientist/Chemist

Job Title: Research Soil Scientist/Chemist
Announcement Number: ARS-D22PA-11500088-KAat www.usajobs.gov

Location: Livestock Biosystems Research Unit at the USDA, ARS, U.S. Meat Animal Research Center (USMARC), Clay Center, NE

Duties: A soil scientist/chemist position is immediately available to research the fate of environmentally active compounds (e.g., nutrients, pharmaceuticals, metabolites, endocrine disrupters) related to sustainable management of soil, water, and other resources in livestock systems. Applicant will focus on how to detect, track, and measure environmentally active contaminants in livestock and agriculture systems; identify biological interactions and transport mechanisms of excreted and environmentally active compounds with manure, wastewater, soil, or other resources under laboratory and field-scale conditions; and identify technologies and management strategies to mitigate negative effects of these compounds in livestock and agriculture systems. Additional duties include collaborating with ARS scientists, as well as other federal entities, academia, and the private sector to improve sustainable manage soil resources in mixed agriculture and animal productions systems; and plan and conduct personal research, interpret results, publish research results in peer-reviewed scientific journals, and make presentations at scientific meetings.

Qualifications Required: The applicant must be a U.S. citizen and males born after 12/31/1959 must be Selective Service registered or exempt. To qualify as a Soil Scientist the applicant must have a degree in soil science or a closely related discipline that included 30 semester hours or equivalent in biological, physical, or earth science, with a minimum of 15 semester hours in such subjects as soil genesis, pedology, soil chemistry, soil physics, and soil fertility. *Or* possess a combination of education and experiences including courses equivalent to a major in soil science or a related discipline that included at least 30 semester hours in the biological, physical, or earth sciences. At least 15 of these semester hours must have been in the areas specified above, plus appropriate experience or additional education. To qualify as a Chemist the applicant must have a degree in physical sciences, life sciences, or engineering that included 30 semester hours in chemistry, supplemented by course work in mathematics through differential and integral calculus, and at least 6 semester hours of physics. O*r* possess a combination of education and experiences including course work equivalent to a major as shown above, including at least 30 semester hours in chemistry, supplemented by mathematics through differential and integral calculus, and at least 6 semester hours of physics, plus appropriate experience or additional education. The USDA is an equal opportunity provider and employer.

Salary: GS-12 – GS-13 ($79,363 -$122,683) plus fringe including health insurance

Plains Area ◦ U.S. Meat Animal Research Center
844 Road 313 ◦ State Spur 18D ◦ Clay Center, NE 68933-0166
Telephone: (402) 762-4100

Interested applicants please apply on USA jobs https://www.usajobs.gov/job/654838200

About the Roman L. Hruska U.S. Meat Animal Research Center (USMARC):
There are over 40 scientists at USMARC working in five research units (Genetics and Breeding; Animal Health; Meat Safety & Quality; Nutrition, Growth, and Physiology; Livestock Biosystems) to develop scientific information and new technology to solve high priority problems for U.S. livestock industries. Research approaches involve multidisciplinary teams with emphasis on both short-term and long-term solutions. The program is cooperative with the University of Nebraska and land-grant universities in the U.S. There are 8 scientists and 7 support staff in the Livestock Biosystems Research Unit (LBRU). The mission of the LBRU is to develop new knowledge, technology and strategic approaches for improvement and optimization of biological systems, production efficiencies and environmental sustainability of sheep, cattle, and swine production.