



American Society of Agronomy • Crop Science Society of America • Soil Science Society of America

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April 10, 18

The Honorable John Culberson
Chairman, Subcommittee on Commerce, Justice,
Science, and Related Agencies
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

The Honorable Jose Serrano
Ranking Member, Subcommittee on Commerce,
Justice, Science, and Related Agencies
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

RE: FY19 Appropriations—Support for the National Science Foundation

Dear Chairman Culberson and Ranking Member Serrano:

Thank you for your leadership and providing a much needed funding increase for the National Science Foundation in the final fiscal year (FY) 2018 omnibus bill.

The American Society of Agronomy (ASA), Crop Science Society of America (CSSA), and Soil Science Society of America (SSSA), represent over 18,000 scientists in academia, industry and government. We support more than 13,300 Certified Crop Advisers (CCA), and over 700 Certified Professional Soil Scientist (CPSS). Our members and certified professionals are dedicated to meeting the demands of a growing world population through the pursuit of agronomic, crop and soil science knowledge and application.

The Nation's agricultural system must sustainably produce the food and fuel America relies on for national and economic security. Growing global competition is putting America's agricultural economy at risk. The U.S. has lost its spot as the top global funder of public agricultural R&D, falling behind China in 2009. Today, the U.S. trails Western Europe and is outspent nearly 2:1 by China.

We support **\$8.45 billion for the National Science Foundation** for the fiscal year 2019. This funding level will increase the broad base of fundamental knowledge in key disciplines, such as biology, plant science, chemistry, and soil science, which is needed to address agriculture's most intractable challenges. Such research funding will simultaneously support the scientists creating innovations today and the students who will tackle the unforeseen issues of tomorrow.

Within NSF, the Societies are very supportive of the **Innovations at the Nexus of Food, Energy, and Water Systems (\$55.8 million)**. There is a pressing need to understand the interconnectedness of food, energy, and water and to develop new technologies that increase farm productivity while reducing costly energy and water-intensive inputs. The recent droughts in large swaths of the country, and their corresponding impact on agricultural and economic productivity, underscore the need to balance these resources. NSF's INFEWS program uniquely blends perspectives from each of these often-siloed fields. It offers scientific approaches to mitigate the impacts of future droughts, easing the tensions between competing land and natural resource interests, and creating resiliency in food, energy, and water systems.

The research and education programs funded by NSF are essential to ensure an economically competitive America now and into the future. A strong commitment to federally funded scientific research will boost the Nation's capacity for innovation, agricultural productivity, and economic prosperity.

Thank you for your consideration. For additional information or to learn more about the ASA, CSSA and SSSA, please contact Karl Anderson, Director of Government Relations, at kanderson@sciencesocieties.org or 202-408-5382.

Sincerely,

A handwritten signature in black ink, appearing to read "Ellen Bergfeld". The signature is fluid and cursive, with a large, stylized initial "E" and "B".

Ellen Bergfeld, PhD, CEO

Cc: Members of the Subcommittee on Commerce, Justice, Science, and Related Agencies