

Resume Floyd E. Dowell

Position and Institution:

Research Agricultural Engineer, Collaborator, Retired
USDA ARS Center for Grain and Animal Health Research
1515 College Ave, Manhattan, KS 66502; floyd.dowell@yahoo.com

President, Planting Hope International
3310 Germann Dr, Manhattan, KS 66503; plantinghope@yahoo.com
www.PlantingHopeInternational.org

Adjunct Professor
Biological and Agricultural Engineering Department
Kansas State University

Education: B.S. Agricultural Engineering, Oklahoma State University, Stillwater, OK,
1984

M.S. Agricultural Engineering, Oklahoma State University, Stillwater, OK,
1985

Ph.D. Agricultural Engineering, University of Illinois, Urbana-Champaign,
1988

Area of Specialization: Develops instruments and procedures to measure grain and insect characteristics using near-infrared spectroscopy, including determining age, species, and infection status of vectors of infectious diseases. Develops and implements appropriate technology to reduce grain storage losses and ensure grain, feed, and food quality in developing countries.

Experience: 1988-2018. Research Leader and Supervisory Ag. Eng.,
USDA ARS Center for Grain and Animal Health Research, Manhattan,
KS.

2018-2019. Supergrade (ST). Research Ag. Eng., USDA ARS Center for Grain and Animal Health Research, Manhattan, KS.

2011-Present. President, Planting Hope International. Leads a non-profit charity that provides agricultural, medical, and educational support to developing countries.

Professional Recognition:

- One of only 26 scientists nationwide to be promoted into a Supergrade (ST) position. 2018. This is the highest research position attainable within ARS, and limited to about 1% of all scientists.
- Authored or co-authored over 160 peer-reviewed publications, including 1 patent.
- USDA ARS Area Young Scientist of the Year. 1994. For outstanding accomplishments in the development and technology transfer of systems of significance to the peanut industry.
- ARS Engineer of the Year. 2000. For outstanding engineering and humanitarian achievements.
- Federal Engineer of the Year. 2000. For outstanding engineering and humanitarian achievements.
- USDA Honor Award. 2002. Member of the Hard White Wheat Commercialization Team that expanded economic and trade opportunities for U.S. agricultural products.
- USDA ARS Senior Scientist of the Year, Northern Plains Area. 2002. For providing leadership in developing, adapting, and transferring single-kernel spectroscopy technology to rapidly measure attributes of grain, insects, and other commodities.
- Harald Perten Prize. 2005. For outstanding achievements in cereal sciences and technology, from the International Association for Cereal Science and Technology (ICC), Vienna, Austria.
- ARS Tech. Transfer Award. 2005. For outstanding team efforts to develop and transfer technology to detect and sort grain based on attributes of interest to the grain industry.

- Fellow of the ICC Academy. 2006. For significant contributions to cereal science and the aims and objectives of the ICC.
- Rain Bird Engineering Concept of the Year Award. 2010. Recognizes the most outstanding contribution on the development or advancement of a new engineering concept having a wide or significant impact on the profession or the industries it serves.
- Andersons Cereals and Oilseeds Award of Excellence. 2011. For accomplishments that significantly impacted measurement technologies to quantify quality attributes of grains and oilseeds, and extension of research that is impacting the health and well-being of people and animals in the developing world.