

Graduate Students Receive Fellowships

NORCROSS, Ga. — Five outstanding graduate students have been announced as the 1993 winners of the "J. Fielding Reed PPI Fellowships" by the Potash & Phosphate Institute (PPI).

Grants of \$2,000 each are presented to the individuals. All are candidates for either the master's or doctorate degree in soil fertility and related sciences.

The 1993 recipients were chosen from nearly 40 applicants who sought the fellowships.

• **Thomas W. Bruulsema** was born in Hamilton, Ontario, Canada. He received his bachelor's in agriculture, honours program,

with distinction, University of Guelph. He also holds a master's from that institution and is presently working toward a doctorate at Cornell University. The objective of his doctoral research is to gain a better understanding of nutrient cycling within the soil-crop system. He will make use of field data, with wheat and corn as test crops, to develop comprehensive, dynamic computer models to better define the relationships between soil nitrogen forms and transformation processes occurring in the soil-crop system. He hopes to use field data and compu-

ter models to develop a quantitative soil test for nitrogen, as well as improve tests for nutrients such as phosphorus.

• **Kevin L. Harner** was born in Bedford, Ind. He received his bachelor's at Purdue University in 1991 and is presently in a master's program, also at Purdue. He was chosen as the outstanding senior in agronomy, was the recipient of the Continental Grain scholarship, among others, and was a Distinguished Student seven of his eight undergraduate semesters. His thesis title is "Presidedress Soil

Nitrate Test as Basis for Nitrogen Recommendations on Corn in Indiana." The main objectives of his research are to develop correlation and calibration data for the test, based on climatic conditions, soil types and management practices common to Indiana. Making use of soil and tissue sampling and a chlorophyll meter, Kevin hopes to develop recommendations based on a broad data base. After completing his master's degree, he plans a career in field crop research or agronomic services in the seed or fertilizer industry.

Lancaster Farming, Saturday, June 19, 1993-B9
 • **David F. Hughes** is a native of Richmond, Va. He earned bachelor's and master's degrees from Brigham Young University (BYU) where he served as President of the Agronomy Club. Among his honors at BYU was the selection of his research for the outstanding M.S. thesis award by the BYU Sigma-Xi Scientific Research Society. He is in the first year of his doctorate program at the University of Missouri. His dissertation research will be conducted as a part of the Missouri Management Systems Evaluation Area (MSEA) water quality project. His work will focus on the assessment of the impacts of conventional and alternative systems

Missouri on grain production, nitrogen use efficiency and nitrogen losses over claypan landscapes. Following his graduate study, David would like to serve as an ASA-CSSA-SSSA Congressional Fellow. He plans a career in soil fertility research and instruction, is interested in international work and, eventually, land grant university administration.

• **Bryan A. Kliever** is working toward his master's at North Carolina State University. Born in Henderson, Neb., he received his bachelor's from the University of Nebraska-Lincoln. He has won many honors, including the Westinghouse Talent Search award, being one of only 40 students in the U.S. selected who were 'best fitted for promising careers in science.' The title of his thesis is "Response of Soil Denitrification Rates to Water Table Management." The objective of his research is to quantify denitrification losses associated with water table management and to evaluate the time-course behavior of nitrous oxide emissions from poorly drained soils managed with water control structures. Bryan places strong emphasis on scholarship and, as a scholar, plans to pursue further graduate work, then a career in soil fertility and groundwater management and conservation.

• **Karen Lowell** completed her undergraduate study at Allegheny College in Meadville, Pa; she is in the second year of a master's program in agronomy at the University of Maryland. After her undergraduate studies, she served as a Peace Corps volunteer in Sierra Leone, West Africa. Her work there as an agriculture extension agent led to interests in soil fertility, and ways in which research and technology from developed nations can be of use in the developing world. Her thesis is titled "Use of Reduced S to Enhance Bioavailability of P in Phosphate Rock."

The fellowship winners are selected by a committee of PPI scientists. The fellowships are named in honor of Dr. J. Fielding Reed, retired president of the institute, who now lives in Athens, Ga.

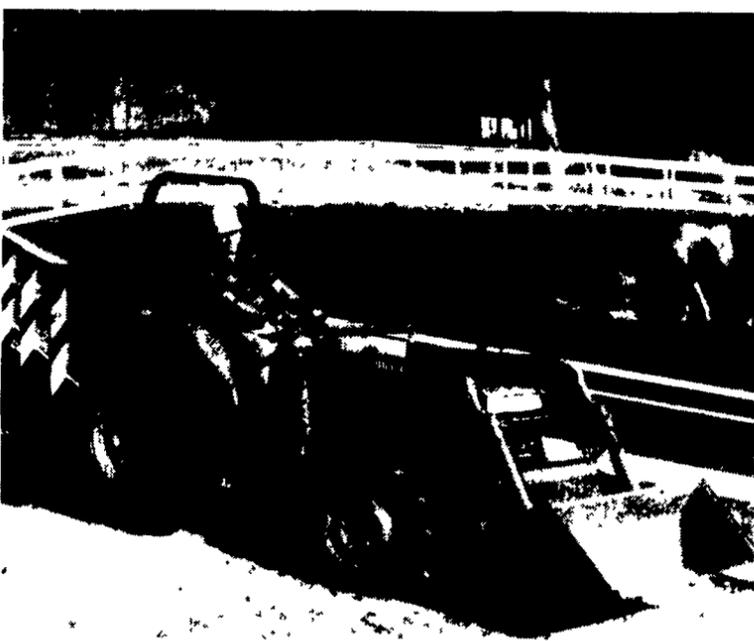
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