

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.

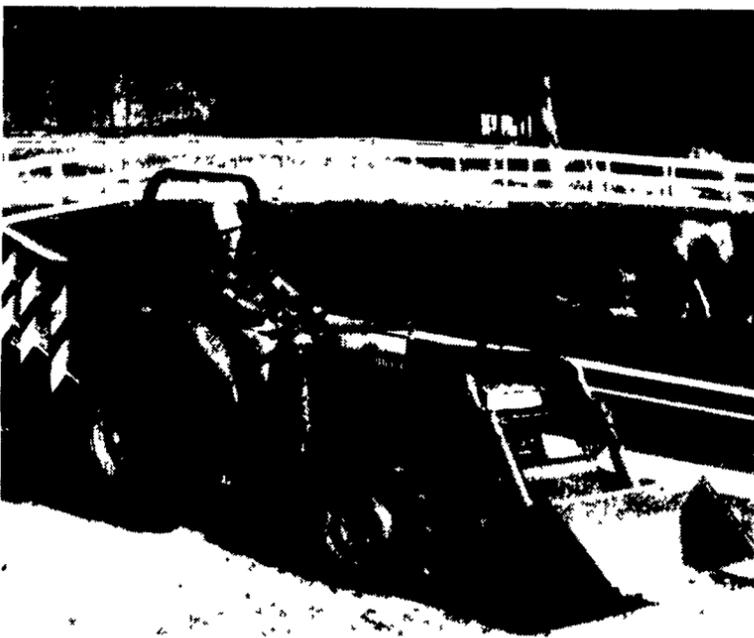
A MACHINE FOR ALL SEASONS

No matter what the task or season, Kubota's mid-sized tractors have the versatility and implements to handle the job.

Like our B-50 Series tractors that come with liquid-cooled diesel engines, 2 or 4-wheel drive, quick-attach implements and a powerful 13 - 20 PTO HP. Optional Bi-Speed Turn allows for amazing precise turns in 4-wheel drive for lawn care in the spring and snow removal in the winter. HST transmission and power steering are available, too.

Our Kubota L-Series tractors provide the extra horsepower you need, boosting 20 - 49 PTO HP. Built with liquid-cooled Kubota diesel engines, these mid-sized tractors come in 2 or 4-wheel drive. These models come with lots of choices which include the new Ever-Clutch - a first-of-a-kind wet clutch that doubles clutch life and even comes with its own warranty and the Kubota exclusive Glide Shift Transmission, enabling you to "glide" through 8 forward and 8 reverse gears without clutching.

When you need a tractor that can handle any job in any season, look at a Kubota.



Kubota Tractor Corporation markets a full line of tractors through a nationwide network of over 1,000 dealers.

Kubota

See Your Local Kubota Dealer

PENNSYLVANIA

Alburtis
CANNS-BILCO
 215-820-0222

Allenwood
ALLENWOOD RENTAL & SUPPLY
 717-538-2595

Avondale
THOMAS POWER EQUIP., INC.
 215-268-2181

Bloomsburg
TRACTOR PARTS CO.
 717-784-0250

Chambersburg
STOFFER BROS. INC.
 717-263-8424

Cochranville
STOLTZFUS FARM SERVICE, INC.
 215-593-2407

Elizabethtown
MESSICK FARM EQUIP. INC.
 717-367-1319

Jersey Shore
THOMAS L. DUNLAP
 717-398-1391

Honesdale
MARSHALL MACHINERY, INC.
 717-729-7117

Lebanon & Lancaster
KELLER BROS. TRACTOR CO.
 717-949-2000
 717-569-2500

Mifflinburg
MIFFLINBURG FARM SUPPLY, INC.
 717-966-3114

New Berlinville
ERB & HENRY EQUIPMENT, INC.
 215-367-2169

Reading
NICARRY EQUIP., INC.
 215-926-2441

Stroudsburg
SEBRING'S POWER HOUSE
 717-421-8980

York
YORK TRACTOR, INC.
 717-764-1094

MARYLAND
 Hagerstown
ARNETT'S GARAGE
 301-733-0515

Rising Sun
AG IND. EQUIP. CO. INC.
 410-658-5568

NEW JERSEY

Flemington & Clinton
PONIATOWSKI BROS. EQUIP. CO. INC.
 908-735-2149

Hainesport
MATERIAL HANDLING SYSTEMS
 609-267-6100

Shiloh
ROBERT G. HAMPTON
 609-451-9520



CLOSED SUNDAYS, NEW YEAR, EASTER MONDAY, ASCENSION DAY, WHIT MONDAY, OCT. 11, THANKSGIVING, CHRISTMAS & DECEMBER 26TH.

FISHER'S FURNITURE, INC.

NEW AND USED FURNITURE
 USED COAL & WOOD HEATERS
 COUNTRY FURNITURE & ANTIQUES

BUS. HRS: MON.-THURS. 8-5 FRI. 8-8, SAT. 8-12
 BOX 57 1129 GEORGETOWN RD. BART, PA 17503

CONTACT US

- For
- DOUBLE CHAIN PIT ELEVATORS
 - HYD. TILT AVAILABLE
 - COMPACT ROTO BEATERS
 - WISCONSIN & ALLIS CHALMER POWER UNITS
 - HAND-O-MATIC BUNK FEEDERS
 - COMBINATION MOWER AND CRIMPER UNITS
 - 455 AND 456 MOWERS
 - NEW IDEA CRUSHERS
 - LARGE SHOP LATHE 40 TON PUNCH PRESS
 - CRIMPING ROLLS TO FIT YOUR NEW IDEA CRUSHER

SMUCKER
 WELDING & MANUFACTURING
 2110 Rockvale Road, Lanc., PA 17602