Bill Stout



Born on wheat and cattle farm in Nebraska, USA in 1932

Most photos from Jo Ellen Dinucci (Bill and Rita's daughter)

BS – University of Nebraska MS and Ph.D. – Michigan State University

FAO, USAID, UNDP



Michigan State University

1955 – 1981 Faculty Member 5 Years: Chair of Agricultural Engineering

Photos: Ajit Srivastava





The concept of once-over mechanical, as opposed to multiple-pick hand or experimental multiple-pick machine harvesting, represented a major break-through in the practice of producing vine fruit such as pickling cucumbers. In the 1950s the cost of hand harvesting was as high as 50% of the production cost. Once-over mechanical harvesting, coupled with increasing plant population, reduced this cost to 25% thereby making production economically viable.

At the heart of the once-over harvester is a mechanical pinch-roll vine-fruit separation system developed by Michigan State University researchers Bill Stout, Max DeLong and Stan Ries in 1961 with support from cucumber growers and processors. A harvester was successfully field tested in 1963. Food Machinery Chemical (FMC) Corporation, Hoopeston, IL fabricated 1 prototype harvester in 1964 and 5 in 1965. FMC and other companies manufactured an estimated 230 harvesters in the 1960s and 300 through 2009.

Today, once-over mechanical harvesting has become universally adopted method of harvesting vine fruit and is used around the world.

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2011



Texas A&M University

1981-1998 Faculty Member

Coordinator: Agricultural Systems Management

Speaker: Faculty Senate

Director: Texas A&M in Koriyama







1992 Kishida



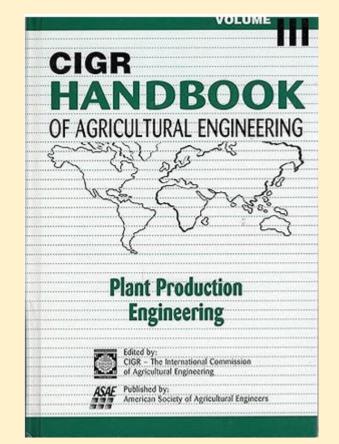
1999-2000 President of CIGR

Visited 70 Countries in His Career

CIGR Journal

CIGR Handbook of Agricultural Engineering

China Agricultural University Chinese Academy of Agricultural Mechanization Sciences







2014 Arizona

Bill, Yun, and Michigan State alumni Management Committee, Club of Bologna
Fellow, International Commission of Agricultural Engineering (CIGR)
Fellow, American Society of Agricultural and Biological Engineers (ASABE)
Fellow, American Association for the Advancement of Science (AAAS)
Member, Academia dei Georgofili

Management Committee, Club of Bologna
Fellow, International Commission of Agricultural Engineering (CIGR)
Fellow, American Society of Agricultural and Biological Engineers (ASABE)
Fellow, American Association for the Advancement of Science (AAAS)
Member, Academia dei Georgofili

Kishida Award, ASABE
Max Eyth Medal, VDI-MEG
McCormick-Case Gold Medal, ASABE
Historic Landmark, ASABE
Hall of Fame, University of Nebraska BSE
Distinguished Alumnus, Michigan State University BSE

My Remembrances of Bill and Rita:

They were the kindest and most welcoming people

Bill worked tirelessly and quietly to help others



Mapping of spatially-variable yield during grain combining SW Searcy, JK Schueller, YH Bae, SC Borgelt, BA Stout Transactions of the ASAE 32 (3), 826-829

Rest In Peace

Bill Stout









Once-Over Mechanical Harvesting of Cucumbers

A HISTORICAL LANDMARK OF AGRICULTURAL AND BIOLOGICAL ENGINEERING

AGRICULTURAL AND BIOLOGICAL ENGINEERING

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