CURRENT ISSUES IN AG ED & PREPARATION OF STUDENTS FOR CAREERS IN AG & FOOD

MARIA GALLO, Ph.D. PRESIDENT
WHERE HAVE I BEEN?

- C
- M
- D
- H
- T
- R
- G
- S
OUTLINE

➢ Awareness to Value to Influence Education Careers

➢ Public Issues Education (PIE)

➢ New Farmer Training
TRENDS (CHALLENGES)

Food Demand
population size, per capita income (esp. Asia), protein consumption, inputs

Resource Constraints
land, water, energy costs scientists, farmers, funding
What’s on the world’s menu

Daily calories per person by type of food

- Cereals, roots and pulses
- Sugar
- Vegetable oils
- Meat
- Dairy
- Other

Source: FAO
Universities are not producing the graduates needed to meet the agriculture industry’s human resource requirements over the next decade
The Pew Research Center: “On virtually every measure of economic well-being and career attainment—from personal earnings to job satisfaction to the share employed full time—youth college graduates are outperforming their peers with less education. And when today’s young adults are compared with previous generations, the disparity in economic outcomes between college graduates and those with a high school diploma or less formal schooling has never been greater in the modern era.”
The most important motive for work in school and in life is the pleasure in work, pleasure in its results, and the knowledge of the value of the result to the community.

Albert Einstein

Ideas and Opinions
START WITH WHY

FOOD
FEED
FIBER
FUEL
FUN
START WITH WHY

WHAT WOULD YOU BE WITHOUT AGRICULTURE?

FFA SINCE 1928
Don’t Shy Away From It, Reframe It
A technological revolution in farming led by advances in *robotics* and sensing technologies looks set to disrupt modern practice.

“There is the potential for intelligent robots to change the economic model of farming so that it becomes feasible to be a small producer again,” says robotics engineer George Kantor at Carnegie Mellon University in Pittsburgh, Pennsylvania.
Closing the circle on skills:

Applying science, technology and engineering to real-world problems

Developing vital business skills

Providing clear career pathways
NEW FARMER TRAINING
“THE FUTURE AIN’T WHAT IT USED TO BE”

- YOGI BERRA