Vision for the College of Tropical Agriculture and Human Resources

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made at http://ics.ifas.ufl.edu
Thirty-Seven Congress of the United States of America:
At the Second Session,
Begun and held at the city of Washington, on Monday, the—Second—day of December, one thousand eight hundred and sixty-three.

AN ACT

Giving for the lands to the several States and Territories which may provide colleges for the benefit of agriculture and the mechanic arts.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That there be granted to the several States for the purposes herein after mentioned, an amount of public lands to be appropriated thereof; State a quota of thirty thousand acres for each Senator and representative in Congress to which the States are respectively entitled, by the apportionment under the census of eighteen hundred and sixty, and settled. That no mineral lands shall be included in purchased under the provisions of this act. And it is further enacted, That the lands aforesaid, after being surveyed, shall be apportioned to the several States in such proportions as the President shall, by his proclamation, direct: and whenever there are public lands in a State, subject to sale at private sale, at not less than one dollar and twenty-five cents per acre, the quantity to which each State shall be entitled shall be selected from such lands within the limits of each State, and the President of the United States is hereby directed to assign to each of the States, in which there is not the quantity of public lands subject to sale at private sale at one dollar and twenty-five cents per acre, to which each State shall be entitled, under the provisions of this act, lands, worth, to the amount in acres for the deficiency of its distribution share, said lands to be sold by said States and the proceeds thereof applied, to the uses and purposes provided for in this act and for no other use, or for any whatsoever. Provided That in no case shall any State in which lands not worth the amount of its distribution share, as hereinbefore defined, shall be located, be allowed to locate the same within the limits of any other State, nor any county in the United States, but their apportionment shall be remitted and apply to the uses and purposes provided for in this act and for no other use, or for any whatsoever. Provided further, That in no case shall any State in which lands not worth the amount of its distribution share, as hereinbefore defined, shall be located, be allowed to locate the same within the limits of any other State, nor any county in the United States, but their apportionment shall be remitted and apply to the uses and purposes provided for in this act and for no other use, or for any whatsoever. Provided further, That in no case shall any State in which lands not worth the amount of its distribution share, as hereinbefore defined, shall be located, be allowed to locate the same within the limits of any other State, nor any county in the United States, but their apportionment shall be remitted and apply to the uses and purposes provided for in this act and for no other use, or for any whatsoever. Provided further, That in no case shall any State in which lands not worth the amount of its distribution share, as hereinbefore defined, shall be located, be allowed to locate the same within the limits of any other State, nor any county in the United States, but their apportionment shall be remitted and apply to the uses and purposes provided for in this act and for no other use, or for any whatsoever.
Trends (Challenges)

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

**Resource Constraints**
- land, water, energy costs, scientists, farmers, funding
“Given the central role that food plays in human welfare and national stability, it is shocking – not to mention short-sighted and potentially dangerous – how little money is spent on agricultural research.”

Sustainable Food Production Systems
Local Food Security
Food Security
Fuel Security
Economic, Social, and Environmental Sustainability

Climate Change

Policy

Health
Global Leader in Research

applied

basic
Research

- Diversified Farming Systems
  - Agroecosystems
    - biodiversity (crop, vegetation, animals, etc.)
    - soil, water and nutrient management
    - weed, insect and disease management
    - cultivar development
- Pollination Biology
- Aquaculture/Aquaponics
- Fruits and Ornamentals
- Health and Nutrition
Social and Mobile
Extension/Engagement

• Deliver knowledge
  - Effective communication and education (value of research)
    • growers, families, consumers...

• Provide expertise and training
  • “FarmStart”
Fostering Partnerships

- UH-Manoa, UH System, Alumni
- Private
- Public
  - K-20+
  - Community
  - Agencies
- International
Vision and Action Plan

• Eliminate “change antibodies”
• Faculty-driven
• Community-informed
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