



CRSP Alignment & Contributions to:

Feed the Future
and the
Global Food Security Research Strategy

Beth Mitcham, Director
Horticulture CRSP

Feed the Future

- Focus on agriculture and nutrition
 - Enhancing livelihoods of poor
 - Improving nutritional status of women and young children
- Focus on twenty countries where need is greatest and government also willing to invest
- Research is recognized as a critical need



Feed the Future Global Food Security Research Strategy

RESEARCH is prominent in Feed the Future



Critical to sustainably enhancing agricultural productivity growth



Strongly linked to economic growth



Substantial impact on poverty reduction



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CRSP Programs Fit Feed The Future Goals Perfectly

- Research
- Capacity building (training at many levels)
- Partnerships with developing country partners
 - Relationship building
 - Well targeted research activities
 - Research conducted in focus country
- Innovative research by CRSPs guides scale-up activities in FTF countries



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Sustainable Intensification

“Increased food production per unit of land area or unit of water used without harming the environment”



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Sustainable Intensification

- Increases in agriculture productivity
 - Aquafish, Hort, IPM, INTSORMIL, Nutrition, Livestock, Peanut, Pulse, SANREM CRSPs
- Reducing agriculture’s adverse impact on environment and natural resources
 - Aquafish, IPM and SANREM CRSPs
- Emphasis on improving nutritional quality of diet
 - Aquafish, Hort, INTSORMIL, Livestock, Nutrition, Peanut, Pulse, CRSPs
- Innovations developed and deployed *in close collaboration with stakeholders* to ensure responds to the needs of poor producers in partner countries



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Methods to Achieve Sustainable Intensification

- Genetic improvement (Hort, INTSORMIL, Livestock, Peanut, Pulse CRSPs)
- Systems optimization (Aquafish CRSP)
- Integrated pest management (IPM, Peanut CRSPs)
- Reduced postharvest losses (Hort, IPM, Peanut, Pulse CRSPs)
- Socio-behavioral and economic factors related to technology adoption (Aquafish, BASIS/AMA, Hort, IPM, PEANUT, SANREM CRSPs)
- Resilience and risk management strategies (BASIS/AMA, SANREM CRSPs)

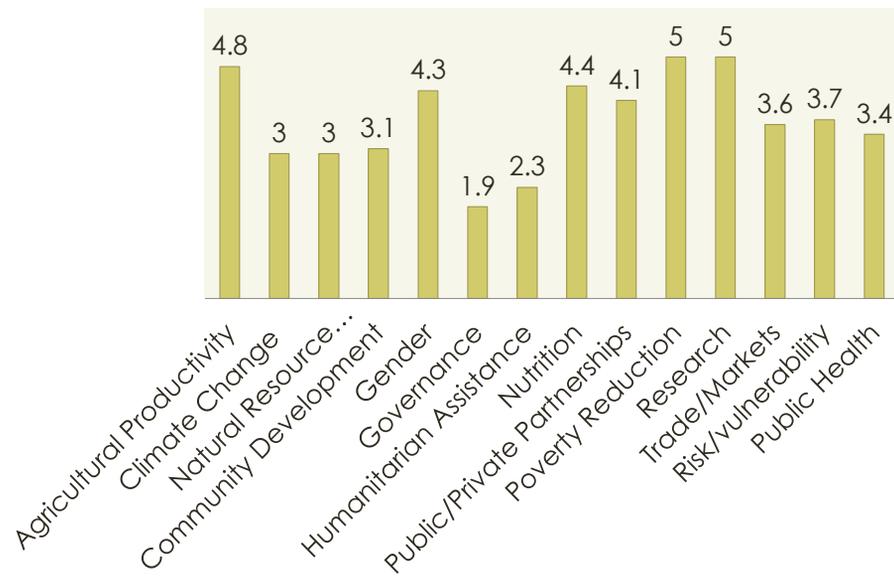


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"How relevant are the FTF Topics in CRSPs?"

5 = Extremely relevant; 1 = Not relevant



Purpose-Driven Research Themes

- Enhanced nutrition and food safety
 - Ensure agricultural systems contribute to nutrition and health goals (Hort, Peanut, Pulse, Nutrition CRSP)
 - Improve availability and access to a high quality diet, especially for women and children
 - Diversification of production systems (all CRSPs)
 - Enhancing dietary diversity and nutrient density of foods (most CRSPs)
 - Reducing postharvest losses (Hort, Peanut, Pulse CRSPs)
 - Focus on reducing contamination of food supply (Hort, IPM, Peanut CRSPs)



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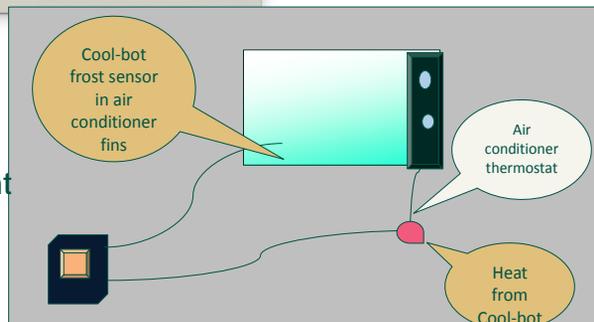
HortCRSP 

**Low-cost
Cold Room
Cool-bot**

Store It Cold
<http://storeitcold.com>

6 MT Capacity
\$75 controller
\$300 AC unit

90% less than equivalent
capacity commercial
refrigeration system





Benefits of CRSP Research for Domestic Agriculture

- Improved varieties
- Improved practices
 - IPM
 - Cultural
- Appropriate for small farms



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Rapid Bean Technology Dissemination in Honduras, Guatemala, Nicaragua and Haiti

- Disseminating sacks of “certified” or “quality-declared” seed of improved varieties of common bean (from **Pulse CRSP** activities)
- Also inoculum of Rhizobium to enhance nitrogen fixation
- Given to 120,000 smallholder farmers
- Project is contributing to the development of “sustainable community-based seed systems” for grain legumes in Central America
- Contributing to the development of “sustainable community-based seed systems” for grain legumes in Central America (200 community seed banks in Nicaragua)



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Millet Technologies Increase Food Security and Farmer Income

- New millet cultivar developed by **INTSORMIL CRSP**
- New market strategies introduced through cooperatives
- Average yields with previous variety were 0.8 to 1 ton/ha in good years
- Yields with new variety 1.5 to 2.3 ton/ha
- Benefits: meet household needs & family expenses and can buy clothes and gifts for children



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Questions and Discussion

