

# Strengthen food security, food safety, and nutrition programs

## SITUATION

- Centrally located for ag products (vulnerable production, processing, storage & transportation facilities)
- Central flyway of several migratory birds, increased risk of zoonotic diseases
- Healthy life style adopted by all people--care about food safety and nutrition value
- Zoonotics, plant diseases

### OUTCOMES\* - IMPACT

#### Long Term

**Conditions** – social, economic, civic, environmental

- Healthy individuals
- Sustainable/affordable security systems
- Profitable food production systems (economics)
- Viable communities
- Next generation of innovators and discoverers for food security
- Economic prosperity
- Monitoring and privacy systems
- Durable disease resistance in agricultural plants and animals

#### Intermediate

**Action** – behavior, practice, decisions, policies, social action

- General public is food and nutrition literate
- Food policies that have scientific validation
- Adoption of new products and processes for crop, animal and food security

#### Short Term

**Learning** – awareness, knowledge, attitudes, skills, opinions, aspirations, motivations

- Learning by professionals, professional-in-training, and citizens



### OUTPUTS

**Who we reach** (Participants, customers, citizens, earners)

- Effective animal and plant health monitoring and tracking systems
- Animal and premise (source) identification
- Training programs for all individuals involved in food production, processing, handling, and serving
- Knowledge of how to get behavioral changes in life style and food choices
- State, national and international governments

**What we do** (Teach classes, workshops, field days, demonstrations, one-on-one, via distance; use media for teaching; facilitate; assess; partner; evaluate)

- Educational programs (biosecurity; foreign, domestic and zoonotic diseases; beef quality assurance; antibiotic use)
- Educational programs for all aspects i.e., food security, food safety, nutrition
- Food safety website and electronic communication sites
- Diagnostic tools for new pathogens
- Knowledge of nutritional requirements tailored to the individual
- Research, food security, safety and nutrition issues

**Products** (Curriculum, publications, program resources, patents, cultivars)

- Food literacy curriculum for all ages and cultures
- Development of curriculum in agrisecurity (Masters level)
- Diagnostic tools for new pathogens
- Develop products and processes for designer plants and animals
- Knowledge of nutritional requirements tailored to the individual



Adds Value  
Administrator

### INPUTS

**What we invest** (faculty, staff, students, volunteers, time, money, materials, equipment, technology, collaborators)

- All of the above

\* Outcome statements include indicators

### ASSUMPTIONS (Points for consideration)

- Above situations will remain through the foreseeable future.

### ENVIRONMENT (External Factors)

- Cost of energy (fuel, etc.) will affect the production and processing system
- Government policy (state, national, international) will affect agriculture and natural resources
- Regulatory agencies/requirements will continue
- Nebraska has all the components of the food system (production, slaughter, processing, transportation, storage)
- Natural resources availability and quality
- Who needs to know?
- What do the affected groups want?

## EVALUATION

Focus - Collect Data - Analyze and Interpret - Report