
Global Food Security

Output Measures (numbers only)

- Number of producers and agribusiness professionals who attend face-to-face educational activities, including individual consultations.
- Number of producers and agribusiness professionals who subscribe to newsletters and access web-based resources.
- Number of producers or agribusiness professionals who gained knowledge in safe pesticide application through attending pesticide applicator Continuing Instructional courses or pesticide safety education programs.
- Number of local food producers attending extension programs
- Number of popular press articles and publications authored by Extension specialists

Outcome Measures (narratives w/ numbers)

#1 Outcome Target:
Number of increased efficiencies ________ (i.e. (% pregnant) or increases in yield/unit -- (bushels/acre; lbs product (meat, protein, milk) per animal; lbs feed per gain).

#2 Outcome Target:
Number of youth and teachers, health professionals, consumers and producers who increase their awareness of modern livestock and agricultural practices as they pertain to animal health and comfort, and product quality and safety.

#3 Outcome Target:
Number of producers indicating adoption of recommended practices.

#4 Outcome Target:
Number of intergenerational transfers or new farm businesses who learn strategies on how to successfully transition farming operations within their family, or understand the risks and opportunities connected to starting a farming enterprise.

#5 Outcome Target:
Number of producers reporting increased dollar returns per unit of production
Natural Resources and Environmental Stewardship

Output Measures (numbers only)
- Number of producers, agribusiness professionals, and land-owners who attend face-to-face educational activities, including individual consultations.
- Number of producers, agribusiness professionals and land-owners who subscribe to newsletters and access web-based resources.

Outcome Measures (narratives w/ numbers)

#1 Outcome Target:
Number of acres where the adoption of BMPs and conservation practices was implemented.

#2 Outcome Target:
Number of producers increasing the efficiency of manure and crop nutrient utilization while minimizing surface run off and preserving ground water quality

Sustainable Energy – Biofuels and Biobased Products

Output Measures (numbers only)
- Number of people who attend an educational activity to learn about producing biomass.

Outcome Measures (narratives w/ numbers)

#1 Outcome Target:
Number of producers who increase their awareness of crop production strategies appropriate for bioenergy production.

#2 Outcome Target:
Number of individuals who increase their knowledge in production/harvesting systems related to biomass crops.
**Climate Change**

**Output Measures (numbers only)**
- Number of current year citations of climate related publications.
- Number of current year climate relevant educational programs.

**Outcome Measures (narratives w/ numbers)**

#1 Outcome Target:
Number of producers that adopt recommended adaptation strategies for production agriculture and natural resources management, including invasive species, pest management, pollutant loads, & wetlands.

#2 Outcome Target:
Number of producers and landowners who adopt BMPs after extreme weather events.

**Health & Well-being**

**Output Measures (numbers only)**
- Number of Iowans receiving food safety certification.
- Number of adult participants in Extension programs on food safety.
- Number of hits on Iowa State University Extension food safety project websites.
- Number of grain producers receiving education about Food Safety Modernization Act.

**Outcome Measures (narratives w/ numbers)**

#1 Outcome Target:
Number of people receiving food safety certification.

#2 Outcome Target: **Not ANR relevant**
Percent of adult EFNEP/FNP graduates with a positive change in food safety practices.

#3 Outcome Target:
Number of growers, producers, and food workers completing GAPS, GMPS, HACCP, food safety certification and on farm BMP programs to increase food safety.

#4 Outcome Target:
Number of food handlers receiving food safety training and education in safe food practices.