

ANR Outcomes in DM

Learning Events Screen

Diversified Farming and Food Systems – DFFS
DFFS 1.1 Awareness of diversified farming and food systems
DFFS 1.1.1 # of stakeholders who learn about diversified farming, crop production, sustainable practices and technologies, available resources, assistance and technical support, business operations, marketing and role of diversified agriculture in a local food system
DFFS 1.1.2 # of certifications awarded (farmers market, community garden, urban agriculture, etc.)
DFFS 1.1.3 COMM # of communities, state agencies, local governments, schools, and organizations made aware of diversified farming and local food systems
DFFS 1.2 Foster connections between stakeholders involved in diversified farming and food systems
DFFS 1.2.1 COMM # of organizations (schools, government, farmer organizations, NGO's) partnering in DFFS events
DFFS 1.2.2 COMM # of network contacts for newsletter and social media accounts
DFFS 1.2.3 # of individuals who attended a DFFS networking event
Field Crops
FIELD 1.1 # of participants informed about field crops
FIELD 1.2 # of youth informed about field crops
FIELD 1.3 # of participants informed about crop production issues
FIELD 1.4 # of participants informed about agronomic issues
FIELD 1.5 # of participants informed about agronomic technologies
FIELD 1.6 # of participants informed about agronomic management practices
Livestock/ Animal Science
AnSci 1.1 # of participants/youth informed about livestock
AnSci 1.2 # participants/youth informed about careers in animal science industry
AnSci 1.3 # of participants informed about livestock issues
AnSci 1.4 # of participants informed about livestock technologies
AnSci 1.5 # of participants informed about livestock management practices
AnSci 1.6 # of individuals who learn about prevention, detection, control and intervention technologies - NIFA FS1.3
AnSci 1.7 # of producers informed about international livestock markets

Farm and Agribusiness Management

FARMmgt 1.1 # of participants informed about financial management of agricultural operations

FARMmgt 1.2 # of participants informed about risk management strategies for their operations

FARMmgt 1.3 # of participants informed about commodity marketing strategies

FARMmgt 1.4 # of participants informed about developing effective written leases and contracts

FARMmgt 1.5 # of participants informed about starting new agricultural business ventures

FARMmgt 1.6 # of participants that learn how to develop a business plan

FARMmgt 1.7 # of participants informed about succession planning

FARMmgt 1.8 # of participants learn about warning signs of emotional stress and available resources

FARMmgt 1.9 # of participants learn about stress warnings signs

FARMmgt 1.10 # of participants that learn about positive HR practices

Natural Resources and Land Use

NRLU 1.1 # of providers of natural resources information and advice who demonstrate knowledge gain regarding application of current science

NRLU 1.2 # of providers of natural resources information and advice who demonstrate new or improved skills to apply science-based information to job

NRLU 1.3 # of providers of natural resources information and advice who aspire to submit CEUs to maintain their professional certification or license

NRLU 1.4 # of providers of natural resources information and advice who demonstrate knowledge gain regarding data services, tools and resources pertaining to natural resources and environment

NRLU 2.1 # of individuals who manage habitat who increase awareness of cost-share and technical assistance programs and resources

NRLU 2.2 # of individuals who manage habitat who increase awareness of natural resource management issues (e.g. invasive species, air quality, climate, etc.)

NRLU 2.3 # of individuals who manage habitat who demonstrate knowledge gains of current science as applied to resource management

NRLU 2.4 # of individuals who manage habitat who demonstrate increased knowledge of land management plans

NRLU 2.5 # individuals who manage habitat who aspire to implement practices benefiting natural resources

NRLU 3.1 # developers or plans/policy that demonstrate increased knowledge of planning processes

NRLU 3.2 # developers of plans/policy that demonstrate increased knowledge of the role of natural resources in community planning

NRLU 3.3 # developers of plans/policy that demonstrate awareness of public spaces as community assets

NRLU 3.4 # developers or plans/policy that demonstrate increased awareness of implementing tools and resources in planning processes

NRLU 3.5 # developers or plans/policy that increase skills to effectively engage residents in the planning process

NRLU 4.1 # participants aware of benefits of connecting with nature

NRLU 4.2 # pre-post awareness gained of benefits of connecting with nature

NRLU 4.3 # educators indicating increased awareness of benefits of connecting with nature

NRLU 4.4 # participants indicating increased knowledge of how to apply outdoor activities in their lives

NRLU 4.5 # participants indicating desire to participate in outdoor activities

NRLU 4.6 # educators indicating increased knowledge on how to integrate natural resources into the curriculum
NRLU 4.7 # attendees in outreach event / outreach station
NRLU 5.1 # of participants indicating increased knowledge of best management practices for businesses
NRLU 5.2 # of participants indicating increased knowledge of sustainable production
NRLU 5.3 # of participants indicating increased knowledge of value adding to natural resources
NRLU 16.1 # of participants indicating increased awareness and understanding of natural resource topics
NRLU 16.2 # of participants indicating increased knowledge of how to take action in their communities
Horticulture
HORT 1.1 # of participants informed about horticulture, turf, and the environment
HORT 1.2 # of participants informed about leadership skills
HORT 1.3 # of participants informed about strategies for protecting/improving the environment
HORT 1.4 # of participants informed about recognizing food safety risks and solutions
HORT 1.5 # of participants with increases in networking and communication
HORT 1.6 # of new or improved innovations developed for food enterprises - NIFA GF 2.1
Food and Farm Safety/Security
SAFE 1.1 # of youth informed about farm safety
SAFE 1.2 # of participants informed about farm safety
SAFE 1.3 # of youth informed about safe food handling & processing - NIFA FS 3.2
SAFE 1.4 # of participants informed about safe food handling & processing - NIFA FS 3.2
SAFE 1.5 # of growers, producers, and food workers completing GAPs, GMPs, HACCP, food safety certification (like ServSafe), and on farm BMP programs to increase food safety - NIFA FS 3.1
SAFE 1.6 # of youth informed about farming opportunities or resources for individuals with special requirements
SAFE 1.7 # of participants informed about farming opportunities or resources for individuals with special requirements
SAFE 1.8 # of food producers, processors, and handlers informed about food safety issues - NIFA FS 3.2
SAFE 1.9 # of youth informed about Agriculture Emergency Plan Development
SAFE 1.10 # of participants informed about Agriculture Emergency Plan Development
SAFE 1.11 # of communities informed about Agriculture Emergency Plan Development
SAFE 1.12 # of youth informed about who to contact if a food safety issue arises at their farm/facility
SAFE 1.13 # of participants informed about who to contact if a food safety issue arises at their farm/facility
SAFE 1.14 # of participants informed about emergency response and their possible roles

Impact Statements Screen

Diversified Farming and Food Systems – DFFS
Medium-Term Indicators
DFFS 2.1 Adoption of best practices and technologies resulting in more diverse farming and food systems that are viable
DFFS 2.1.1 # of producers/participants indicating adoption of recommended practices to increase viability of their farming systems and marketing of local foods (NIFA GF1.4a)
DFFS 2.1.2 # of businesses created, improved or strengthened
DFFS 2.2 Enable networking among stakeholders
DFFS 2.2.1 COMM – # of relationships, partnerships, and collaborations established, developed, and maintained among stakeholders interested in diversified farming and food systems
DFFS 2.2.2 # beginning agricultural enterprises connected with more experienced agricultural enterprises
Long-Term Indicators
DFFS 3.1 Create viable diversified farming and food systems across Indiana
DFFS 3.1.1 # of viable farm and food systems (sustainable yields, increased efficiency, improved economic returns, increased local food sales, reduced inputs, increased farmer resiliency, and improved conservation of resources)
DFFS 3.1.2 # of minority/diverse operations in the farm community and food system
DFFS 3.1.3 COMM – # of local food system infrastructures in Indiana (farmers’ markets, online markets, enhanced stakeholder webpages, institutional purchasing, community gardening efforts, formalized markets, certification processes, government supports, local food councils)
DFFS 3.2 Create functioning networks that support diversified farming and food systems
DFFS 3.2.1 COMM – # of partner organizations/agencies coordinating with Purdue Extension
DFFS 3.2.2 # of members in stakeholder groups dedicated to diversified farming and food systems (engagement)
DFFS 3.2.3 COMM – # of stakeholders partnering on external grant opportunities
Field Crops
Medium-Term Indicators
FIELD 2.1 # of participants who self-report that they adopted a recommended practice for their operation
FIELD 2.2 # of participants who self-report that they adopted fertilizer and pesticide recommendations for field crops - NIFA GF 1.4.a
FIELD 2.3 # of participants that adopted changes to their farm to make them more resilient to climate change - NIFA CC 2.3
FIELD 2.4 # of producers indicating adoption of recommended technologies for agronomic crops - NIFA GF 2.3
FIELD 2.5 # of producers indicating adoption of recommended management practices for agronomic crops - NIFA GF 2.3
Long-Term Indicators
FIELD 3.1 # of reduction in pesticide spills or drift complaints

FIELD 3.2 # of producers indicating increased dollar returns per acre and/or reduced costs per acre due to adopted agronomic practices - NIFA GF 1.3
FIELD 3.3 # of producers indicating increased dollar returns per acre due to overall crop quality improvement - NIFA GF 2.4
FIELD 3.4 # of routine water quality tests of major water bodies and tributaries showing a decrease in soil particles and agriculturally-related chemicals of concern

Livestock/ Animal Science

Medium-Term Indicators

AnSci 2.1 # of participants who self-report that they adopted a recommended technology for their farm/business - NIFA GF 1.4
AnSci 2.2 # of participants who self-report that they adopted a recommended management practice for their farm/business - NIFA GF 1.4.a
AnSci 2.3 # of participants/youth seeking careers in livestock industry
AnSci 2.4 # of improved prevention, detection, control and intervention technologies adopted - NIFA FS 1.4
AnSci 2.5 # of participants who self- report an expanded network of contacts/resources
AnSci 2.6 # of producers that state that they are better prepared for marketing to international base
AnSci 2.7 # of producers reporting adopted technologies and practices assisted them in remaining/becoming compliant
AnSci 2.8 MEASURE - # of participants who self-report projects completed from financial support

Long-Term Indicators

AnSci 3.1 # of producers reporting decreased production cost per unit of output, increase value per unit of output, and/or increased farm longevity
AnSci 3.2 # of participants reporting improved livestock and poultry wellbeing
AnSci 3.3 # of producers that reported increased financial stability
AnSci 3.4a # of watersheds that have reported a decrease in environmental pollution from livestock pollution sources
AnSci 3.4b # of acres that have been remediated through livestock production
AnSci 3.5 # of producers reported they have had a different marketing opportunity
AnSci 3.6 # producers reported increased market share in international markets

Farm and Agribusiness Management

Medium-Term Indicators

FARMmgt 2.1 # of participants reporting they adopted practices to monitor financial ratios
FARMmgt 2.2 # of participants that completed a risk assessment of their business
FARMmgt 2.3 # of participants that adopt new or revise current commodity marketing strategy
FARMmgt 2.4 # of participants will adopt formal written land leases.
FARMmgt 2.5 # of participants that will effectively evaluate a new business venture
FARMmgt 2.6 # of participants that develop a business plan for their business
FARMmgt 2.7 # participants that develop a succession plan
FARMmgt 2.8 # of participants that use resources to relieve stress

FARMmgt 2.9 # participants that incorporate positive HR policies
Long-Term Indicators
FARMmgt 3.1 # of producers reporting improved financial position and/or increased profitability.
FARMmgt 3.2 # of contingency plans written
FARMmgt 3.3 # of participants reporting improved income as a result of improved marketing plan
FARMmgt 3.4 # of participants reporting longer term contracts
FARMmgt 3.5 # of successful new ventures formed
FARMmgt 3.6 # of successful business plans written that provided sustainability to the operation
FARMmgt 3.7 # of farms successfully passed on to the next generation
FARMmgt 3.8 # of farm families report their mental health has improved from incorporating stress relieving activities
FARMmgt 3.9 # of participants report less turnover in employees and overall improved job performance
FARMmgt 3.10 # of positive reviews employers receive from employees
Natural Resources and Land Use
Medium-Term Indicators
NRLU 6.1 # of providers of natural resources information and advice who adopt a new practice or change/modify an existing practice in job
NRLU 6.2 # of providers of natural resources information and advice who submit CEUs to professional society
NRLU 6.3 # of providers of natural resources information and advice who use new knowledge/skill to modify consultations and recommendations related to natural resource concerns
NRLU 7.1 # of individuals who manage habitat who contact professional advisors for natural resource management
NRLU 7.2 # of individuals who manage habitat who adopt, improve or maintain stewardship practices
NRLU 7.3 # of individuals who manage habitat who create or revise their land management plan
NRLU 8.1 # developers of plans/policy that integrate natural resources into planning and policies
NRLU 8.2 # plans/policies created that integrate natural resources into planning and policies
NRLU 8.3 # developers of plans/policy that use tools and resources in planning processes
NRLU 8.4 # tools/resources used by developers of plans/policy during planning processes
NRLU 8.5 # plans/policies created by developers of plans/policy that include tools and resources
NRLU 8.6 # developers of plans/policy that engage residents in planning processes
NRLU 8.7 # residents engaged in planning processes
NRLU 8.8 # meetings for resident engagement in planning processes
NRLU 8.9 # communities engaged in planning processes
NRLU 9.1 # participants participating in outdoor activities
NRLU 9.2 # participants adopt natural resource-based lesson plans into teaching curriculum
NRLU 9.3 # programs taught by NoT educators
NRLU 9.4 # programs taught by Extension educators
NRLU 10.1 # of participants that adopt best management practices and technology that result in more viable and sustainable natural resource-based businesses
NRLU 10.2 # participants that integrate concepts that enhance/sustain natural resources
NRLU 17.1 # of organizations, networks, partnerships, collaborations engaging with participants to improve natural resources stewardship
NRLU 17.2 # of participants that engaged in a community science, stewardship or education project

Long-Term Indicators
NRLU 11.1 # of providers of natural resources information and advice who report improved job performance
NRLU 11.2 # of providers of natural resources information and advice who benefit from maintaining professional certification or license (e.g., improved pay, more job opportunities)
NRLU 11.3 # of clients/end users of providers of natural resources information and advice that adopt recommended natural resource practices
NRLU 12.1 # individuals who manage habitat that use/reference long-term goals and planning
NRLU 12.2 # individuals who manage habitat that indicate the plan directs natural resource management
NRLU 12.3 # individuals who manage habitat reporting years of property managed under a plan
NRLU 12.4 # acres of natural resources under management reported by individuals who manage habitat
NRLU 12.5 # days of natural resources and land use reported by individuals who manage habitat
NRLU 12.6 # hunting leases implemented as reported by individuals who manage habitat
NRLU 12.7 \$ amount of revenue from timber sales, wood products manufacturing, and hunting leases as reported by individuals who manage habitat
NRLU 12.8 \$ net value of timber stands (e.g., management leads to improved standing timber value because of increased growth of valuable trees)
NRLU 12.9 # of individuals who manage habitat who have access to more financial benefits (e.g., grants, other funding)
NRLU 13.1 # communities that implement natural resources in long-term planning and policies
NRLU 13.2 # plans and policies implemented that have natural resources in long-term planning and policies
NRLU 13.3 # communities that regularly implement opportunities for residents to participate in long-term planning processes and policies
NRLU 14.1 # youth that are more environmentally literate
NRLU 14.2 # teachers teaching about nature
NRLU 14.3 # teachers teaching NoT curriculum after 5 years
NRLU 15.1 # of created and maintained economically viable natural resources-based businesses
NRLU 15.2 \$ revenue of businesses based on natural resources
NRLU 15.3 # of operating natural resource-based businesses that maintain healthy, growing and sustainable economy
NRLU 18.2 # of projects or practices implemented by organizations, networks, partnerships, and collaborations engaging with participants to improve natural resources
Horticulture
Medium-Term Indicators
HORT 2.1 # of participants who adopt recommended practices for horticulture and the environment - NIFA GF 1.4a
HORT 2.2 # of participants who volunteer
HORT 2.3 # of participants who grow leadership ability
HORT 2.4 Increases in Horticulture associations and memberships in associations
HORT 2.4a # of associations
HORT 2.4b # of memberships in associations
HORT 2.6 # of viable technologies developed or modified for the detection and characterization of food supply contamination from foodborne threats - NIFA FS 1.1
HORT 1.7 # of children and youth who reported eating more of healthy foods - NIFA CO 1.1.c

Long-Term Indicators
HORT 3.1 # of participants adopting best practices and technologies resulting in increased yield, reduced inputs, increased efficiency, increased economic return, and/or conservation of resources - NIFA GF 1.4
HORT 3.2 Reduced negative environmental impact due to horticultural operations
HORT 3.3 Increased quality and supply of Indiana-produced horticultural products
Food and Farm Safety/Security
Medium-Term Indicators
SAFE 2.1 # of participants who self-report that they adopted a recommended safety practice
SAFE 2.2 # of food producers, processors, and handlers self-report they assess their farms or respective areas of activity for risks of microbial contamination
SAFE 2.3 # of food producers, processors, and handlers who self-report they assess their farms or respective areas of activity for critical control points (this includes chemical, physical, and biological contamination) contamination
SAFE 2.4 # of participants self-report they develop Farm Emergency Plans
SAFE 2.5 # of communities that develop/enhance their ESF-11, Agriculture and Natural resources component of their Comprehensive Emergency Management Plan - NIFA GF 2.9
Long-Term Indicators
SAFE 3.1 # food producers, processors, and handlers implement interventions and processes that reduce risk of microbial contamination
SAFE 3.2 # of communities participating in ag-related emergency exercises - NIFA GF 2.9