

# MSU Extension and ESF11: Preparedness to Response

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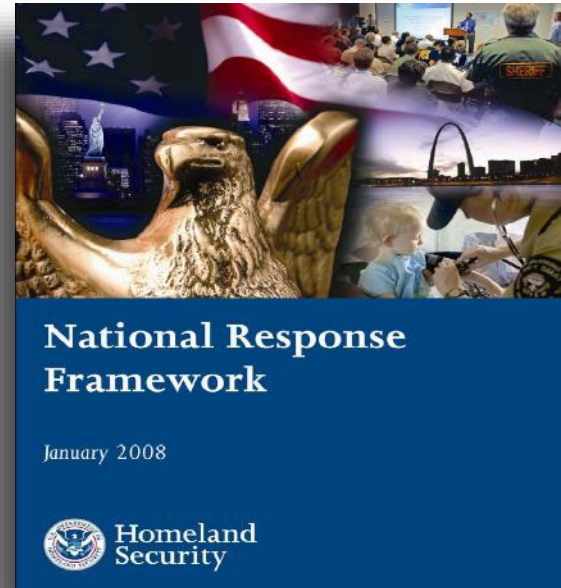
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# I think of agri-food disasters in two ways.

- Broader emergencies or disasters that also impact agricultural and food production.
  - Flood
  - Pandemic
- Emergencies or disasters that occur within agri-food systems, also with outward impacts.
  - Plant or animal disease
  - Food contamination

# National Response Framework

- Unified structure for response
- How federal government coordinates with local, tribal, and state entities during incidents
- Describes protocols in ~18 Emergency Support Functions (ESFs)
- Agri-food systems are critical infrastructure



# Reminder: Emergency Support Functions

- Formal *operational* plans at different levels of community organization and government
  - Federal
  - State
  - Local



# Select Emergency Support Functions (ESFs)

ESF #1 – Transportation

ESF #2 – Communications

ESF #4 – Firefighting

ESF #6 – Mass Care & Emergency Assistance

ESF #7 – Logistics Management & Resource Support

ESF #8 – Public Health & Medical Services

ESF #9 – Search & Rescue

ESF #10 – Oil & Hazardous Materials Response

ESF #11 – Agriculture & Natural Resources

ESF #13 – Public Safety & Security

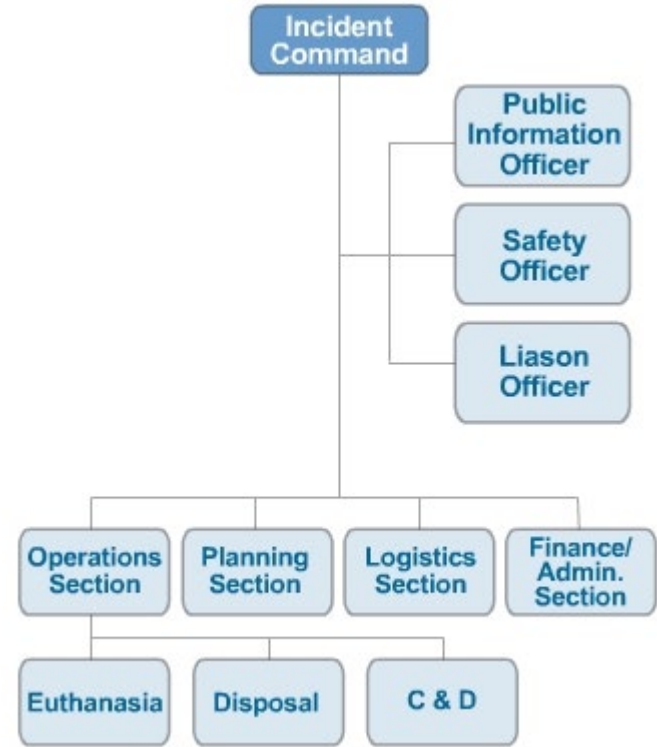
ESF #14 – Long-term Community Recovery

# ESF 11: Ag and Natural Resources

- Nutrition assistance during disaster
- Animal and plant disease and pest response
- Food safety and security
- Natural and cultural resources and historic properties protection and restoration
- Safety and well-being of household pets

# Incident Command System

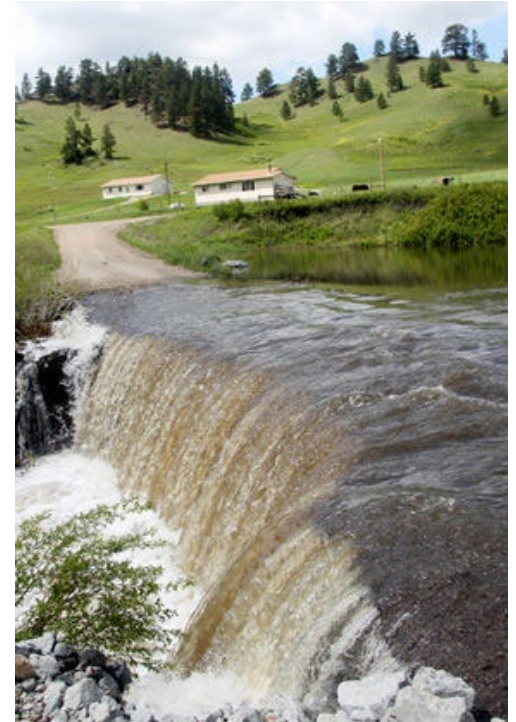
- Event: Foreign animal disease
- Capabilities:
  - euthanasia/depopulation
  - disposal
  - cleaning and disinfection
- FAD events usually have joint command
  - USDA APHIS VS and State Animal Health Authority



\*Partial chart only, focusing on simplified command, and one ops sub-section.

# Existing Local Emergency Plans

- Are ag and food included in current community plans?
- They may be called an ag annex, appendix, or an actual ESF 11.
- Any existing plan may have information relevant to an ag plan.





# Example Ag and Food Threats



- Intentional
  - Poisoning, vandalism, agroterrorism...
- Accidental
  - Contamination, imported exotic pests, disease
- Natural
  - Pests, endemic disease, severe weather, geologic events
- Socio-political (independent or stemming from above)
  - Supply chain and labor disruptions, loss of markets, consumer alarm

# What are realistic threats in your community?

- Flooding, wildfire, severe winter weather?
- Crop or animal pest or disease?
- Contaminated feed/food in distribution system?
- Ag chemical or fuel spills or contamination?
- Displaced or unhoused companion animals?
- Fire susceptible cultural historic sites?



Image: Ontario Ag

# What are realistic threats in your community?

- Significant transportation accidents?
  - Food and cattle trucks
  - Chemical or grain trains, etc.
- Marketing and input supply chain disruptions?
- Drought: long-term, containing other emergencies/disasters...
- At risk irrigation infrastructure?



Image: WaPo

# Example Capabilities to address threats

- MSU ESF11 education takes a capabilities approach
- Threat: flood or wildfire
- Locally feasible capabilities
  - Animal & human shelter in place
  - Animal evacuation
  - Shelter off-site
  - Emergency feeding



Image: R. Leathe, Chronicle

# Example Capabilities to address threats

- Threat: animal disease of concern
- State or federal responsibility and authority!
  - Quarantine of animals
  - Release of quarantines
  - Humane animal euthanasia/depopulation
  - Disposal guidance

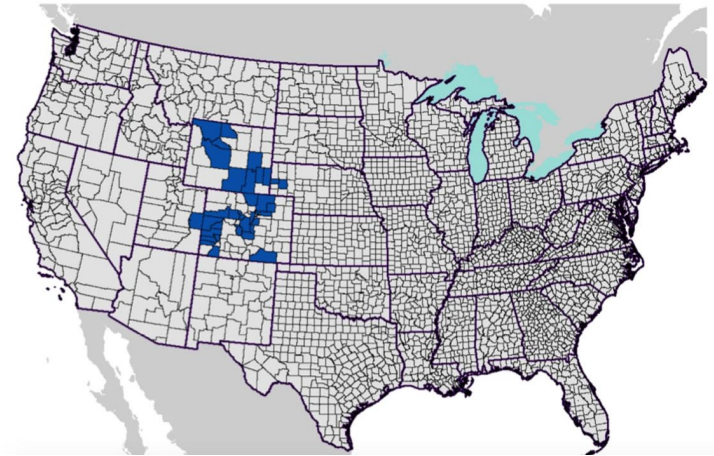


Image: EXPIRED VSV quarantine, 2019, USDA-APHIS

# Capabilities to address threats

- Coordinated crop pest response
- Ag and food waste disposal
- Rural traffic management
- Emergency food and water distribution
- Protection of natural or cultural resources



# Through planning, a community...

- Assesses ag, food, natural, and cultural resources
- Assesses realistic threats
- Determines feasible capabilities
  - **Locally executable**
  - **Locally executable w/ mutual aid**
  - Delegated to state or federal assistance
  - Delegated to private entity



# Through planning, a community...

- Coordinates with owners of critical infrastructure and high-risk private businesses
  - Ex: railyards, chemical and fuel processing/storage
  - Liaises with these entities
  - Determines roles and responsibilities
  - Such facilities may have specialized internal resources





# Through planning, a community...

- Develops procedures for locally-feasible capabilities
  - Documents work
  - Plans
  - Trains and exercises



Image: Arkansas Democrat Gazette

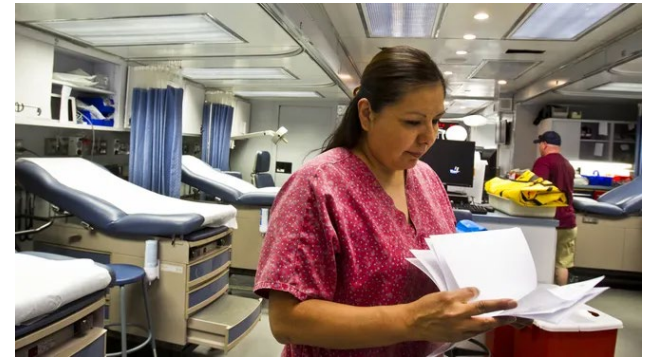
# Who should be on a community ESF11 team?

- Local leaders
- Stakeholders
- Extension
- Disaster agencies (local DES)
- Law enforcement



# Who should be on a community ESF11 team?

- Community health
- Conservation Districts
- NGOs and faith-based organizations
- Coordinated VOADs/COADs
- What others?



# First Steps; build awareness, then gain knowledge...

- Build the basic team
- Visit with community members; grow the team, as necessary.
- Inventory ag, food, natural and cultural resources
  - Local knowledge, census of agriculture
- Collect information on realistic threats, past events and responses

# Middle steps: basic planning

- Relate threats to capabilities and...
  - One capability may address multiple threats
- Identify current and needed resources
- Identify persons and positions for response and further planning



# Middle steps: basic planning

- Create response resources list
- The most basic plan is a strategic phone list (human, physical, and service resources).



# Advanced steps: more detailed plans, exercises

- Capabilities-based resource lists, operating procedures, logistics...
- Robust list of volunteer and government organizations and agencies
- Build special response teams
- Training and exercises



# Advice to communities on ESF11

- Start small
- Compare to, and build off, existing ESFs for other responses
- Coordinate with responders across other threats and capabilities.
  - Example: evacuation and traffic control



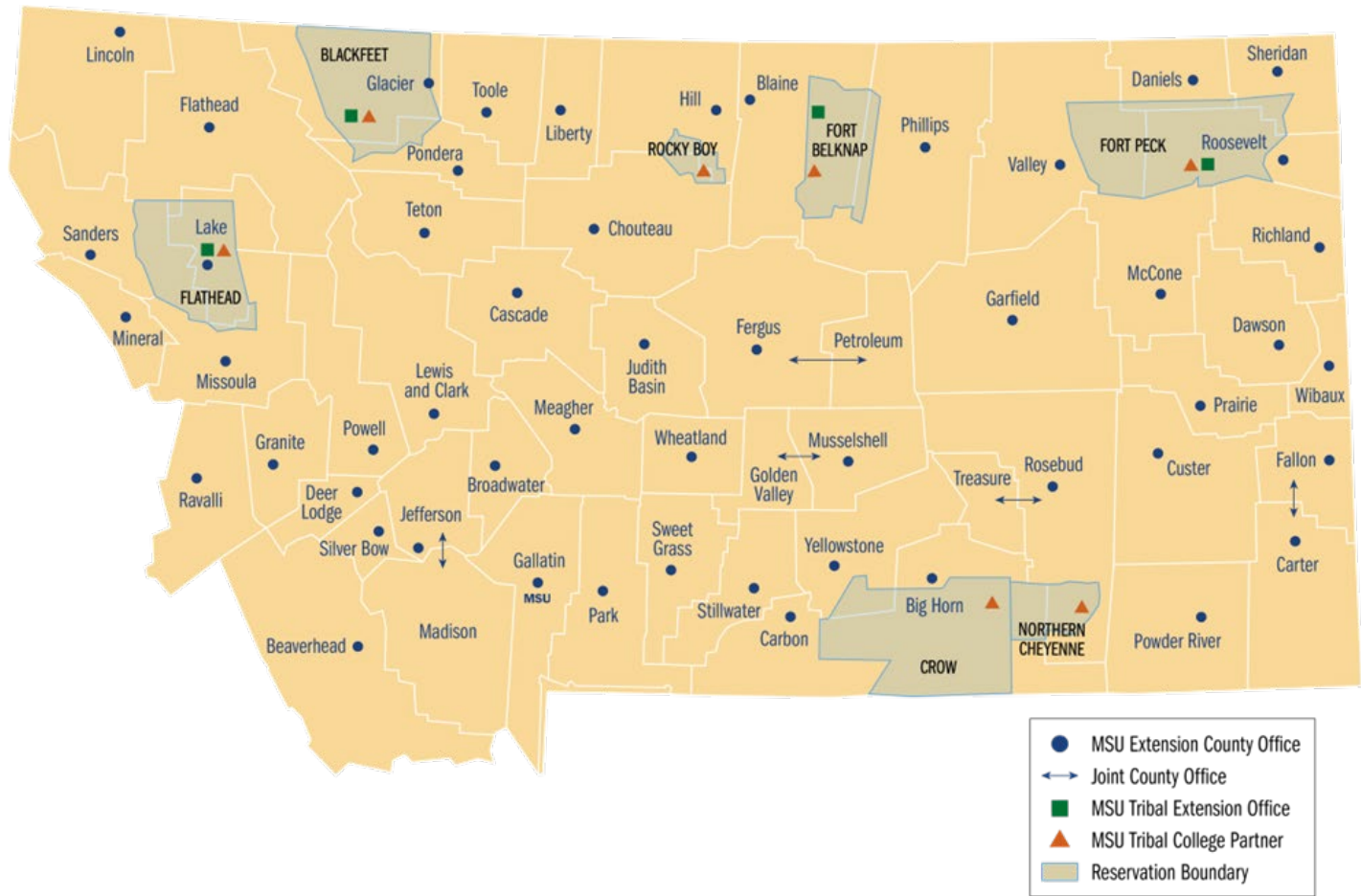


# Resources for ESF11 and related issues

- Local DES Coordinator
- Extension at the state- and local-level
- State and Federal agencies
  - Liaison or consultant, not necessarily local team members
  - Or locally-based representative
- HSGP or similar federal-to-state grants
- USDA emergency conservation programs

# MSU Extension Scope and Reach

- 94 MSU Extension Agents (county faculty)
  - Trained and experienced across areas below
- 26 State Specialists (subject matter experts)
  - Ag and natural resources
  - Family and consumer sciences
  - Economic and community development
  - Youth/4H
- Covering 56 counties and 7 reservations



# MSU Extension Scope and Reach

- SMEs (state or county faculty)
  - Social and physical sciences:
    - Ag, food, health, finance, government, housing, waste management, water, natural resources and environment...
- Local communications (some PIOs)
- Local logistics (knowledge and relationships)
- Offices (physical resources, print on demand materials, communication networks)

# MSU Extension Programs (general)

- Diagnostics
  - Plant diseases
  - Plant and veterinary pests
  - Limited animal health
- Ag chemical education and licensing (w/ MDA)
- Household and farm/ranch water quality programming



# MSU Extension Programs (general)

- Home food safety
  - Preservation
  - Storage
  - Evaluation
- Mass feeding
  - ServSafe
  - HACCP



# MSU Extension Programs (general)

- Past/historic youth (4H) programs
  - Map and GIS projects
  - Companion animal sheltering
  - Basic planning assistance



# MSU Extension Programs

- Securing-Community Agrosecurity Preparedness (S-CAP)
  - Two-day all-stakeholder workshop
  - Complete ESF11 outline and needs
- ESF11 coaching and facilitating
  - Updating ag and food plans





# MSU Extension Programs

- Farm/ranch biosecurity planning
- Farm/ranch/homestead emergency planning
- Training with Toys
  - Diorama-based table-top



# MSU Extension Programs

- Rolling Cows Training
  - Livestock truck over-turns
  - Trailer structures and hydraulic cutters
  - Animal handling
  - Humane euthanasia
  - For: first responders, veterinarians, Extension, haulers



Image: Helena Independent Record

# MSU Extension Programs

- Community Animal Response Team (CART) coaching and facilitation
  - Companion
  - Hobby and equine
  - Production livestock
- Resource needs: human, physical, services...
- Deploy: accidents, evacuations, etc.



# MSU Extension Programs

- Animal mortality composting
- Routine mortalities
- Catastrophic mortalities
  - Natural Disasters
  - Foreign animal diseases
  - Toxicosis



H5N1 large compost site, Midwest, 2022.

# Montana Agriculture Producer Stress Resource Website

Since April 2020, the site has had over **16,000** views!

In any search engine, just type in **'farm stress Montana'** and you'll get to the site!



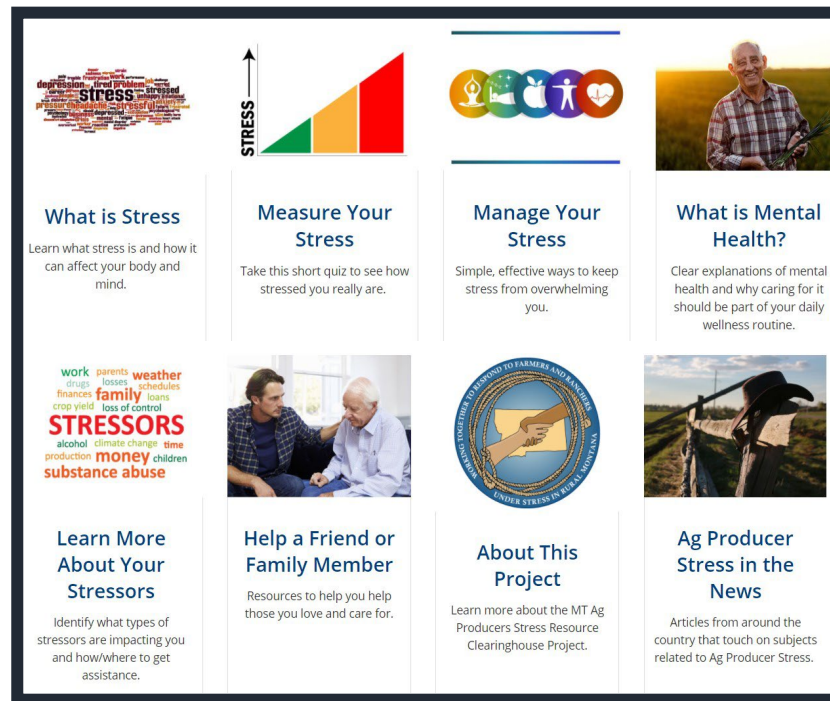
**M**  
MONTANA  
STATE UNIVERSITY  
EXTENSION

Supporting Montana's Ag Producers

Visit our website for resources to support you or someone you care for:

- Coping with Stress
- Caring for Family
- Financial Management
- Mental Health
- Caring for Others
- Financial Assistance
- Personal Health
- Substance Use

Search **MT Ag Stress Resources**  
or visit [msuextension.com/wellness](https://msuextension.com/wellness)



The website features a grid of eight resource cards:

- What is Stress**: Learn what stress is and how it can affect your body and mind. Includes a word cloud with terms like 'depression', 'stress', 'anxiety', and 'problem'.
- Measure Your Stress**: Take this short quiz to see how stressed you really are. Includes a bar chart with a vertical axis labeled 'STRESS' and three colored bars (green, yellow, red).
- Manage Your Stress**: Simple, effective ways to keep stress from overwhelming you. Includes icons for a lightbulb, a plant, an apple, a person, and a heart.
- What is Mental Health?**: Clear explanations of mental health and why caring for it should be part of your daily wellness routine. Includes a photo of a man in a plaid shirt.
- Learn More About Your Stressors**: Identify what types of stressors are impacting you and how/where to get assistance. Includes a word cloud with terms like 'work', 'parents', 'weather', 'family', 'finances', 'crop yield', 'loss of control', 'alcohol', 'climate change', 'time', 'production', 'money', 'children', and 'substance abuse'.
- Help a Friend or Family Member**: Resources to help you help those you love and care for. Includes a photo of a man and a woman sitting together.
- About This Project**: Learn more about the MT Ag Producers Stress Resource Clearinghouse Project. Includes the logo for the Montana Agricultural Experiment Station, featuring a circular seal with the text 'TOGETHER WE BELONG TO FARMERS AND RANCHERS' and 'UNDER STRESS IS REAL MONTANA'.
- Ag Producer Stress in the News**: Articles from around the country that touch on subjects related to Ag Producer Stress. Includes a photo of a person working in a field.

[https://msuextension.org/wellness/stress-management/mt\\_farm\\_stress\\_clearing\\_house/](https://msuextension.org/wellness/stress-management/mt_farm_stress_clearing_house/)

# MSU Extension Rural Mental Health Programming

Topic-specific MontGuides,  
resource cards, and  
infographics.

Please contact us @  
[Lorelyn.Mayr@montana.edu](mailto:Lorelyn.Mayr@montana.edu)  
for inventory and  
distribution.

A Self-Learning Resource From MSU Extension

**MontANA STATE UNIVERSITY**  
EXTENSION  
**MontGuide**

MT20210908H New 7/13

## Understanding and Finding Mental Health Providers

by Kara M. Hurt-Atvika, PhD, LCPC, Assistant Professor, Health and Human Development; Michelle Grocke, PhD, Assistant Professor, Extension Specialist; Alice Burchak, Extension Agent in Toole County; and Kasey Anderson, Extension Agent in Ravalli County

**Anxiety, Depression, Mood disorders. These health conditions are more common than you may think. But to make improvements to your mental health, where do you go? Which type of health providers should you consult?**

**JUST LIKE THERE IS ALWAYS ROOM FOR SOME** improvements to your physical or nutritional health, improving your mental health is something that everyone can and should do. While exercising more or eating more fruits and vegetables are relatively simple health changes, figuring out who to see and what to do to improve your mental health can be more tricky. This can be particularly challenging since mental health professionals have different approaches and different training.

What types of mental health providers are there? What are the differences between them, and what are their qualifications? If there aren't any mental health providers in your area, what other resources are available? This MontGuide will explain the different types of mental health providers to help you make an informed decision about which professionals may best help you achieve mental health goals. It will offer strategies to access mental health services and overcome barriers. Lastly, it provides a questionnaire to help identify if you should seek out a mental health provider.

There are a variety of mental health providers who can provide high-quality assistance. The providers below

all have master's or doctoral degrees, supervised clinical experience, and state licensure. Counselors, social workers, and psychologists are all able to diagnose and treat mental, behavioral, and emotional concerns. These mental health providers can provide standard talk therapy and may have specialized training in other types of therapy. They are also able to bill insurance or Medicaid for services.

**Counselors**  
Professional counselors are Licensed Clinical Professional Counselors (LCPCs) or Licensed Marriage and Family Therapists (LMFTs). Counselors serve a wide variety of clients including individuals and groups. These mental health professionals are able to work directly with all levels of severity of mental health concerns from normal life short-term stress to mental health crises.

**Social Workers**  
Licensed Clinical Social Workers (LCSWs) help people cope with and solve problems in their everyday lives. Social workers tend to emphasize the importance of social systems of support to enhance social functioning.

**RESOURCES AT THE READY**  
211: Montana 24-hour helpline, health and human services information and referral. Visit [www.montana211.org](https://montana211.org) for information on appropriate resources.  
Suicide Prevention Lifeline: 1-800-273-8255 (TALK) 24-hour crisis intervention, if you or someone you know are having suicidal thoughts.  
Onus Text Line: Text "MT" to 741741. Text-based crisis counseling available 24/7.  
Montana Chapter of the National Alliance on Mental Illness (NAMI): <http://www.namimt.org/>. Support, resources, and advocacy for Montanans with mental health concerns and their friends and family.  
Montana Department of Public Health and Human Services (DPHHS): <https://dphhs.mt.gov/amhsd/>  
[amhsd@mt.gov](mailto:amhsd@mt.gov) Comprehensive Medicaid and public mental health resources across the state.  
MSU Extension Health and Wellness: <http://www.extension.org/wellness/>

For More Online MontGuides, Visit [www.montguide.org](http://www.montguide.org)

Responding to  
people under  
pressure under  
the big sky.

How to recognize warning signs of those in distress  
and figure out a course of action.

**NDSU** EXTENSION **MONTANA STATE UNIVERSITY** EXTENSION  
North Dakota State University, Fargo, North Dakota

402 | Revised April 2018

We all need  
help sometimes.

Crisis Text: **Text MT to 741741**

Suicide & Crisis Lifeline: **Dial 988**

Lifeline Online Chat:  
<https://988lifeline.org/chat>

Montana 24-hour Helpline: **Dial 211**  
or text your zip to 898211

Farm Aid Hotline: **1-800-FARM-AID**  
(1-800-327-6243) M-F, 7am-8pm MST

FREE counseling for MT agriculture:  
[beyondtheweather.com](http://beyondtheweather.com)  
406-200-8471 ext. 7

SAMHSA Treatment Finder:  
**1-800-662-4357**  
[findtreatment.samhsa.gov](http://findtreatment.samhsa.gov)

# Community Awareness & Response Trainings

## Mental Health First Aid

(for adults helping other adults)

## Youth Mental Health First Aid

(for adults helping youth)

### Goals/Objectives:

- Increase knowledge and decrease stigma about mental health
- Recognize signs and symptoms of issues & crises
- Strengthen response skills
- Connect to professional support
- 6.5 – 7.5 hours, in multiple formats

## Question, Persuade, Refer (QPR) Suicide Prevention Training

### Goals/Objectives:

- Understand risk factors and recognize signs of suicide
- Ask the question
- Keep person alive until professional help can be found and connected
- 60-90 minutes

Through a partnership with MT. Department of Agriculture and Northern Ag Broadcasting, MSU Extension is excited to offer FREE professional counseling to anyone connected to the Agriculture Industry.

**FREE  
Counseling  
Access  
for Montana  
Agriculture**

GROWING RURAL MENTAL HEALTH

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MONTANA  
STATE UNIVERSITY  
EXTENSION

**WRASAP**

**NORTHERN  
AG  
NETWORK**



# Extension Disaster Education Network

- EDEN is a collaborative multi-state effort by Cooperative Extension Services across the country to improve the delivery of services to citizens affected by disasters.
- EDEN's mission is to reduce the impact of disasters through research-based education.

<https://extensiondisaster.net>



# Challenges

- Montana communities lack the human resources to fully staff local government and volunteer groups
  - Service and volunteer deficit
- Significant turnover in key EM and partner organizations
- Planning gets postponed...

# Challenges

- Within MSUE
  - County faculty have many responsibilities and local steering/oversight
  - I am the only dedicated disaster faculty member; 1/3 of my responsibilities
  - Many of these great programs require extra funding, not in base budgets

# Conclusion and Contact

Thank you for your time!  
Questions and comments?

Tommy Bass

[tmbass@montana.edu](mailto:tmbass@montana.edu) – 406.994.5733