NY EDEN
101
Extension Disaster Education Network
Introduction for CCE Associations
Keith G. Tidball, PhD Cornell University NY EDEN
What is it again, exactly?

The CCE NY Extension Disaster Education Network (NY EDEN) is a central part of a growing state-wide extension and applied research program.

NY States’ program is part of a larger national Extension Disaster Education Network, funded by USDA NIFA, and is an eXtension learning network.

To see a recorded webinar describing NY EDEN and its relationships to campus county connections, see here.
Disasters? In EXTENSION?

“Extension plays a significant role in enabling families, communities, and businesses to successfully respond to these critical incidents. Local Extension agents often function as a critical node of communication in rural areas—particularly when normal communication systems have temporarily broken down following a disaster. Indeed, in reviewing responses to Katrina, some observed that when Extension agents were closely tied to the state's disaster response team, communications flowed much more quickly to affected individuals.”

Franklin E. Boteler, Deputy Administrator, Economic and Community Systems, Cooperative State Research, Education, and Extension Service (now known as USDA NIFA) – see more here
Grounded in our Mission

Cornell Cooperative Extension puts knowledge to work in pursuit of economic vitality, ecological sustainability and social well-being. We bring local experience and research-based solutions together, helping New York State families and communities thrive in our rapidly changing world.
Did you know?

**Billion Dollar US Natural Disasters**
(source NOAA)

- **Cumulative Cost**
- **Frequency**

<table>
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<th>Year</th>
<th>Cumulative Cost (Billions $2012)</th>
<th>Frequency (5yr Moving Average)</th>
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What about in NY State?

In this image, only 10 counties have escaped a weather related disaster between 2007 & 2012.

2013 and 2014 will add to the number.

Click on the map to learn about extreme weather incidents in your county.
What about in NY State

... Breakdown of disaster types 2000-2007

... and don’t forget this...
“Over the past two years, New York State has been hit by some of the most destructive storms in the state's history, causing untold damage and the tragic loss of many lives. Regardless of the cause of these storms, New York State must undertake major reforms to adapt to the reality that storms such as Sandy, Irene, and Lee can hit the state at any time.”

-Governor Andrew M. Cuomo
OK... so what does EDEN do?

NY EDEN links extension educators, emergency managers, and community officials to enhance resilience and reduce the impact of disasters in New York communities.
Wait-- back up– who’s doing what?

(press play)

THE ESSENTIAL EMERGENCY MANAGER
WHAT THEY DO AND HOW THEY DO IT
Remember our Mission?

Cornell Cooperative Extension puts knowledge to work in pursuit of economic vitality, ecological sustainability and social well-being. We bring local experience and research based solutions together, helping New York State families and communities thrive in our rapidly changing world.
In the disaster context, can we....?

... put knowledge to work in pursuit of economic vitality, ecological sustainability and social well-being...

...bring local experience and research based solutions together....

...help New York families & communities thrive in our rapidly changing world...
Cornell CCE serves in two important roles simultaneously-

1. State/regional incident command leadership within CCE system, at multiple levels
   a. Support of higher levels of incident command (State & Federal)
   b. Transmit guidance from higher levels of incident command thru CCE regional & county networks

2. Act as primary source for sector specific situational information (agriculture & natural resources primarily at this time)
How does it work?
Colleges of:
Agriculture and Life Sciences
Human Ecology
Industrial and Labor Relations
Veterinary Medicine

A presence in every county and New York City
All-Hazard Preparedness & Response Education Project (APREP)

NYS Resiliency Institute For Storms & Emergencies

Cornell All-Hazards Working Group

Greening in the Red Zone
• Disseminate educational materials on emergency preparedness & recovery.
• Provide emergency preparedness training & resources.
• Assist CCE Associations in establishing partnerships & plans to assist communities
• Distribute credible resource materials during a disaster.
Disaster All-Hazards Response Team—CCE’s Standard Operating Procedures for disasters that are consistent with Incident Commands Systems (FEMA & NYS DHS/OEM)
Example of How it Works?

Let’s use a hurricane as an example.

One fine Autumn day, the morning news makes mention of a strong tropical depression that might hit the northeast.

“There is no clear consensus of the storm’s track, but it is possible NY state could take a hit.”
Level Yellow-- Guarded

- Normal
- High Risk
- Elevated
- Guarded
Example of How it Works? Going to Level Yellow

Given the possibility, **NY CCE EDEN State Program** leadership (campus) does a few things -

1. Alert the entire CCE system that there might be a severe weather incident and provide tailored preparedness guidance (via disaster list serve and via social media)

2. Warn members of the EDEN Advisory Committee and the CCE Director that the Disaster All-Hazards Response Team may be activated.

3. Open communications with State partners and National EDEN.
Example of How it Works?

So NOW what? What does a CCE Association do if the CCE NY EDEN State Program goes to a “yellow” or “Guarded” status?

1. Determine if your county will potentially be in or near harm’s way.
2. Assign a staff person to become the county NY CCE EDEN Point of Contact for the particular incident if needed.
3. Ensure that county website, social media (Facebook and Twitter) and email lists are ready to serve as information “repeaters” if needed.
4. Familiarize/re-familiarize with CCE [NY EDEN website](http://www.nycce.org), CCE DART AG SENTINEL website, CCE NY EDEN [Facebook](https://www.facebook.com), and CCE NY EDEN [Twitter](https://twitter.com).
Example of How it Works?

So, the following days are filled with speculation on the impending storm’s path, but most reliable news sources, the National Weather Service, and NOAA are all indicating likelihood of the storm having significant impacts upon NYS...

Welcome to level Orange- “Elevated”
Example of How it Works? Going to Level Orange

Now that the storm is likely, **NY CCE EDEN State Program** leadership (campus) does a few things –

1. Seeks permission for activation CCE Disaster All-Hazards Response Team from CCE Director
2. Activates CCE DART System-wides Standard Operating Procedures (level orange)
3. Begins liaison with State Agencies in support of their Incident Command Structure (mostly Ag & Markets and DEC).
Example of How it Works? Going to Level Orange

Ok, what NOW? What does a CCE Association do if the CCE NY EDEN State Program goes to a “orange” or “Elevated” status?

1. Notify County Office of Emergency Management (OEM) that you are “up” for supporting them for the incident. In some cases, County OEM will request CCE to assist in Emergency Operations Center with Ag and other CCE expertise areas.

2. Notify NY CCE EDEN State Leadership that you are “up”.

3. Start reposting, sharing, retweeting, etc. information coming from NY CCE EDEN HQ.

4. Assign an “Ag Sentinel” (may be additional role for EDEN Incident POC or another individual) in case we go to level Red.
Example of How it Works

Ok, its really happening. The hurricane is bringing damaging winds, extreme flooding, and this is a DISASTER. NYS has declared disasters in multiple counties, and federal declarations are imminent...

We are now at Level “Red” – “High Risk”
Example of How it Works? Going to Level Red

Now that the storm is happening, NY CCE EDEN State Program leadership (campus) does a few things –

1. Activation of Level RED CCE DART SOP, including identification of key faculty and technical experts to include
2. Dedicated CCE Administration support team assists with incident reporting
3. Regular communications established with impacted County CCE Associations
4. Periodic situation reports to Cornell administration & State Agencies in support of their Incident Command Structure (mostly Ag & Markets and DEC).
5. Responses to specific informational requests and technical assistance
Example of How it Works? Going to Level Red

**Ok, we’re LIVE? What does a CCE Association do if the CCE NY EDEN State Program goes to a “Red” or “High Risk” status?**

1. Notify CCE NY EDEN/DART of the status of your association staff and infrastructure

2. Continue reposting, sharing, retweeting, etc. information coming from NY CCE EDEN HQ.

3. Conduct “Ag Sentinel” assessments and reporting during and immediately following disaster **(safely- this can be done via phone or email, especially if conditions are unsafe for first hand observations)**
Example of How it Works-- Aftermath
Tools: Diverse Communication Venues

Listserv - CCE-DISASTER-L@list.cornell.edu

E-mails from CCE NY EDEN disaster@cornell.edu

Twitter account: CCE_Disaster

CCE NY EDEN on Facebook: https://www.facebook.com/CceEden

CCE NY EDEN Website http://eden.cce.cornell.edu
Tools: Ag Damage Assessment & Reporting

Agriculture Emergency Situation Reporting
(This information is for situation awareness, reporting, and for immediate needs assistance during local and State disaster response. Farmers are encouraged to follow their normal process of reporting specific losses to their County Extension and USDA FSA offices.)

<table>
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<tr>
<th>Name</th>
<th>Contact info</th>
<th>Date</th>
<th>Time</th>
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Number of Farms Impacted in County:
Check box(es) to indicate impact. List the numbers impacted and indicate what, if any, assistance is needed.
(e.g., feed/purple fences, barn/area mud-out, dairy milking assistance, generator for milk processing, debris on roads/delivery issues, crops damaged, etc.)

Livestock Number:
- [ ] Cattle
- [ ] Dairy
- [ ] Beef
- [ ] Equine
- [ ] Swine
- [ ] Sheep
- [ ] Goats
- [ ] Ostrich/Emu
- [ ] llama/alpaca
- [ ] Rodents
- [ ] other:

Location(s):

Fields:
- [ ] Crops
- [ ] Grazing lands
- [ ] Nursery
- [ ] tree stock
- [ ] other:

Location(s):

Supplies/Utilities/Equipment:
- [ ] stored feed
- [ ] water
- [ ] Farmhouse
- [ ] Other living quarters
- [ ] Irrigation
- [ ] Farm equipment
- [ ] Generators/Pumps
- [ ] fencing

Location(s):

County | Status | Point of Contact | Ag Assessment | Documents & Images
---|---|---|---|---
 Allegany | | | | |
 Cayuga | No Emergency | | | |
 Chautauqua | No Emergency | | | |
Study up– from the *Journal of Extension*

**Disaster Preparedness and the Cooperative Extension Service**

**True Colors Shining Through: Cooperative Extension Strengths in Time of Disaster**

**Extension Disaster Education Network Helps Cooperative Extension Service Prepare, Communicate**
Benefits

With CCE NY EDEN, CCE Associations have great opportunity to dramatically demonstrate VITAL community roles *visibly*, *meaningfully*, and *memorably* to community members and decision makers.

- Relevance and application at all phases of disaster
- Many electronic resources from state and federal sources
- Highly visible campus- county connection
- Probability of current and future demand
Answer in the Affirmative!

Next webinar in the NY EDEN series – EDEN 201- Ag Sentinel