3 Big Floods in 13 Years impacts, responses, lessons

perspective of a vegetable and berry specialist

Vern Grubinger

February 28, 2025



College of Agriculture and Life Sciences

Member Farms List & Map

Commercial Member Directory

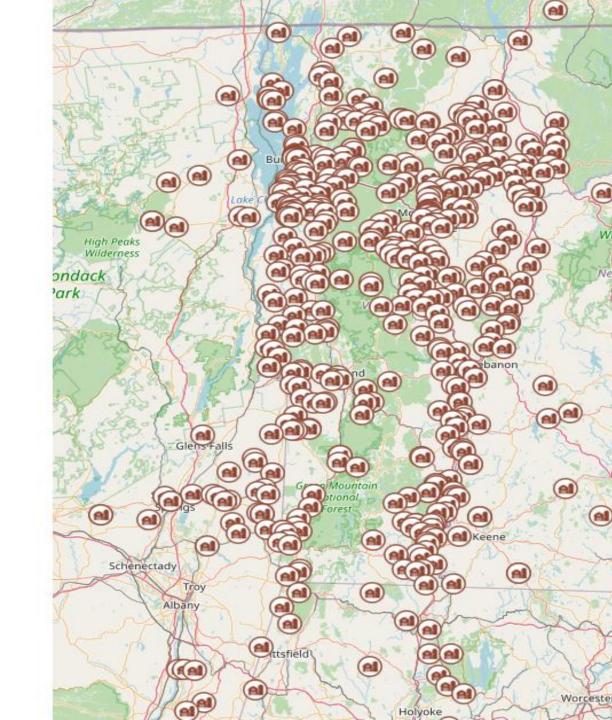
Additional Resources

Website Feedback

Log Out



400+ farms



2011

Statewide

Surprising

Late August

2023

Statewide and beyond

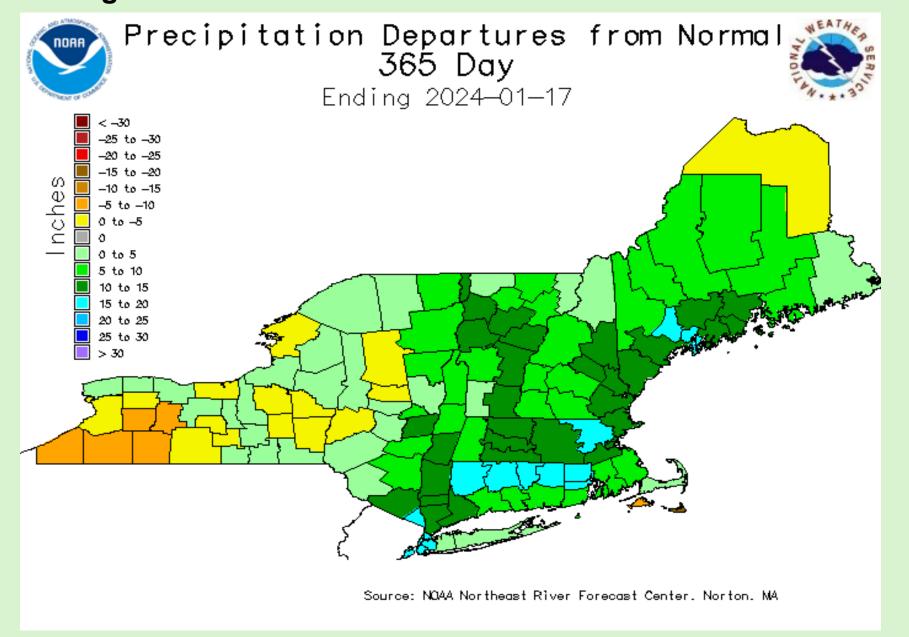
Early July

Preceded by freeze, followed by lots of rainfall

2024

A swath across northern VT Early July

Much of the Northeast had excessive rainfall in 2023. Dark green counties had rainfall of 10"to 15" above normal.



2011

476 farms reported crop losses to FSA of 7200 acres of hay, 6000 acres of corn, 1750 acres of pasture, 1400 acres of sugarbush, 600 acres of vegetables and fruits, and 225 acres of soybeans. Damage to 9100 acres of land.

(Under-) estimated aggregate losses of \$20 million.

2023

264 farms reported aggregate losses of **\$16.1 million** with 27,318 acres impacted in a survey. BEGAP applications reported **\$44.7 million in farm losses**

2024

86 farms reported aggregate losses of **\$5.4 million** with 3379 acres impacted in a survey, BEGAP applications reported **\$13 million in farm losses**.



























Some flood plain fields typically go underwater



Some flooding was unusual – in 2024, a vegetable field at 1,600 ft. elevation in a "mountain bowl"



Impacts varied with timing, product, etc.

• Irene came in August; veg farms had already made some money; livestock farms lost most of their feed.

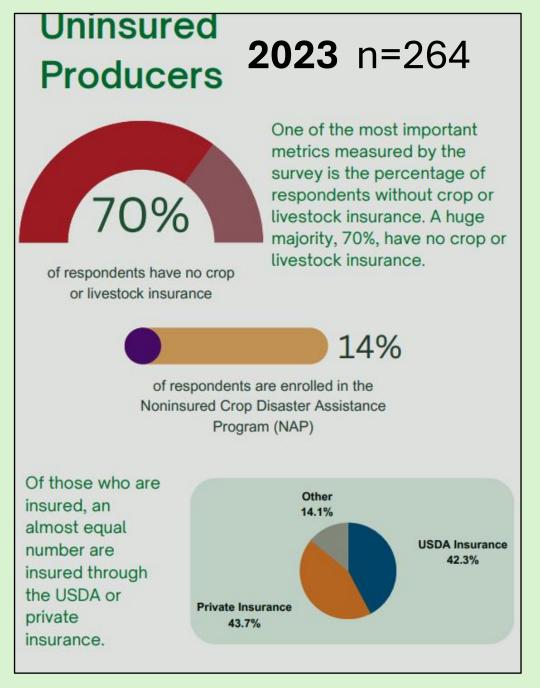
• In 2023 floods came in July, there were a lot of "stranded costs" in the field. It kept raining, which caused as much or more damage than flooding.

• In 2024 the geographic scope was smaller, but the rain was more intense, and focused.



Emergency financial support

- State (BEGAP) reimbursements were a financial lifeline for many flooded farms, even if payments took a while to arrive.
- NOFA-VT provided fast, but small (\$5k) emergency grants.
- Intervale farms have their own modest flood recovery fund.
- After Irene in 2011 the Vermont Community Foundation raised and gave out \$1.2 m quickly in \$10k grants. By 2023, institutional knowledge of that process had to be rebuilt. Awarded \$1.5 million to 157 farms in 2023.
- Most VT farms do not have crop insurance, or NAP, and those that do typically get very modest payments; some are still waiting for payments from 2023.



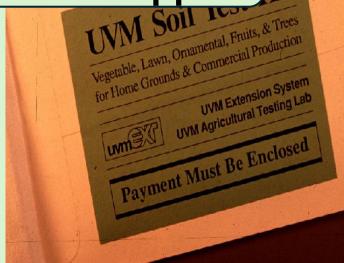
Crop insurance programs are generally not working well for Vermont farms.

It's a longer conversation but in a nutshell, payments are low, take a long time, and are not predictable.



Supporting flooded field soil health – UVM Extension program with VAAFM support it







Some immediate farmer responses

- Saving what can be saved before, and right after, flood
- Making payroll

- Navigating and applying for funding
- Calculating and reporting losses
- Communicating with customers and GoFundMe's
- Dealing with publicity
- Pivoting to new markets
- Finding new suppliers (e.g. seedlings, livestock feed)

Sign in



Support Joe's Brook Farm After Devastating Flood

The public wants to help after a flood, but not all farms have the direct relationships needed.



Share

Donate now

This fundraiser is located near you



How are farmers responding longer term?

- Changing crops/rotation/grazing on floodplains
- Seeking to add some higher ground land
- More high tunnels (out of flood plain) on vegetable farms
- Improving communication with customers
- Reconsidering markets that require use of at-risk land
- Rethinking equipment and infrastructure risk
- More receptive to disaster planning, insurance



A few key recommendations

- Use a unified disaster loss reporting form
- Establish a permanent farm emergency fund
- Fix / simplify crop insurance if possible
- Coordinate (to reduce) communications to farmers
- Support disaster and resilience planning!

Farm resilience checklist developed after Irene
https://www.uvm.edu/vtvegandberry/factsheets/FarmResilienceChecklist.html

