

A quarterly newsletter detailing poultry related work, research, and events in California

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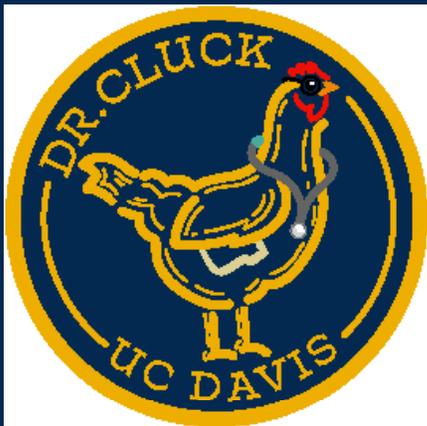


Preparing for Disaster

Mr. Joseph Gendreau, Data Analyst, UC Davis School of Veterinary Medicine Cooperative Extension Poultry Lab **Mr. Maurice Pitesky**, Associate Professor, UC Davis School of Veterinary Medicine Cooperative Extension Poultry Lab

Wildfires are a longstanding and frequent threat to California. However, recent fire events reflect a new level of intensity and destructiveness for California. With respect to the estimated 100,000 backyard poultry (BYP) and 60,000 backyard livestock (BYL) premises within the state, access to centralized emergency planning resources is severely limited. The potential for animal welfare issues and/or costly search and rescue efforts is commonly noted by multiple stakeholder agencies following deployment during a fire event.

Organizing resources on-line works well but during emergencies, access to the internet is often compromised. Mobile applications or ‘mobile apps’ have several advantages over websites with respect to access to information during an emergency event. Specifically, mobile apps can be constructed to contain relevant information (e.g. “go-bags”, lists of animal shelters and veterinarians) without access to the internet. In addition, as internet access becomes available, the ability to disseminate new information via tools such as “push notifications” makes a mobile app a superior method of connectivity.



Questions or Comments?

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Poultry? We have an app for that!

Backyard Poultry Central is your hub for the latest information on husbandry practices for new and experienced backyard owners. Get notified of outbreaks as soon as they happen, and receive critical information at your fingertips.

Download the “Backyard Poultry Central” app on the Google Play Store



Scan Me!



Preparing for Disaster continued

In collaboration with multiple stakeholders and agencies including the Pitesky/Busch and Maier labs at the UC Davis School of Veterinary Medicine-Cooperative Extension, 4-H, UCD-Veterinary Emergency Response Team (VERT), California Veterinary Medical Reserve Corps (CAVMRC), and the California Veterinary Medical Association (CVMA) a \$20,000 USDA Center for Food Animal Health (CFAH) grant was recently awarded to develop an app that can be used by backyard livestock and poultry owners in California in preparation and in response to a wildfire event. To learn more about this project please reach out to Joseph Gendreau or Maurice Pitesky at jdgendreau@ucdavis.edu and mepitesky@ucdavis.edu respectively.



2022 Wildfire Incidents

According to fire.ca.gov

362,476 Acres

Estimated Acres Burned

7,543 Incidents

Number of Wildfires

9 Fatalities

Civilian

876 Structures

104 Damaged/772 Destroyed



“While equine and porcine are not included in this grant, if successful we anticipate adding these resources”

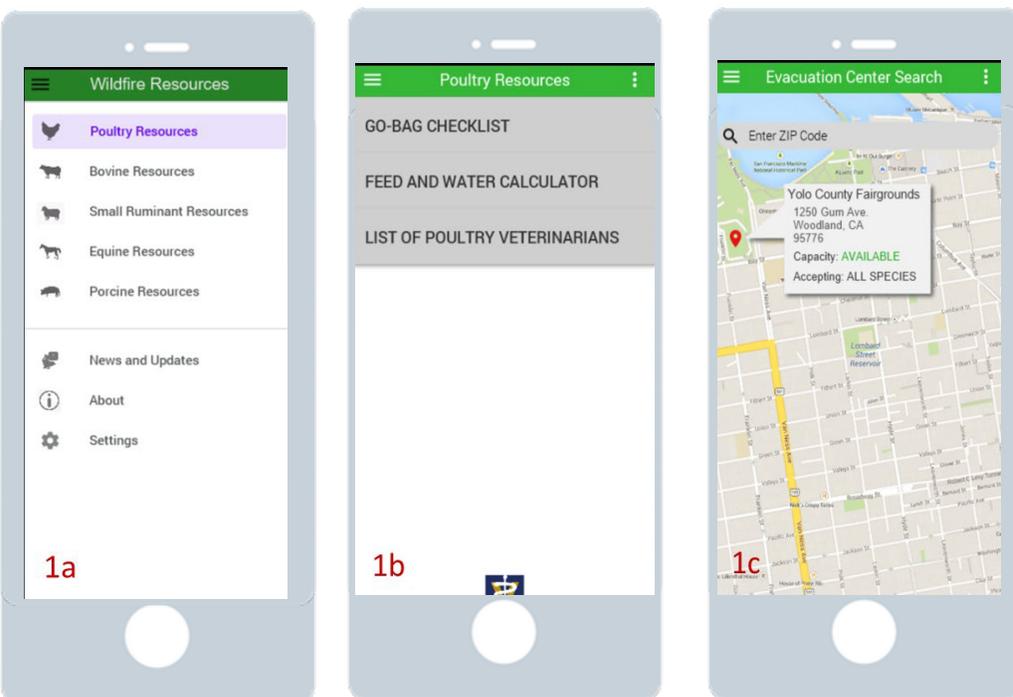


Figure 1. Mock-up of CALE app for Android and iOS. **Figure 1a** shows the homepage. While equine and porcine are not included in this grant if successful we anticipate adding those resources. **Figure 1b** shows the resources page that the user sees after selecting the species of interest. Additional information is provided by selecting each option. **Figure 1c** shows an example evacuation search tool. The utilization of a mobile app allows for these types of information to be available to the user even if the internet is not working which is common during wildfire events.

Training for Integrative Farmers

Dr. Maurice Pitesky, Associate Professor, UC Davis School of Veterinary Medicine Cooperative Extension Poultry Lab

UC Davis, Iowa State, University of Kentucky, and the National Center for Appropriate Technology are Awarded 3-Year USDA Beginning Farmer and Rancher Development (BFRDP) to Help Training for Integrative (i.e. Chickens and Crops) Farmers.

A 3-year 750K grant titled “Two Strong Wings, Cover Crops & Veggies: Developing the Next Generation of Integrative Farmers in California, Iowa and Kentucky” was recently awarded by the USDA-Beginning Farmer and Rancher Development Program (BFRDP) to train farmers interested in integrative farming. Specifically, this proposal is focused on ensuring learning opportunities for a new generation of beginning farmer with a focus on improving poultry and crop agricultural production, reducing dependency on off-farm inputs, teaching best business practices and social media and marketing-based training. If done properly integrative farming has the potential to reduce off-farm fertilizer inputs and increase marketability and profitability for farmers.

This grant leverages a current USDA-Organic Agriculture Research and Extension grant (2019-2023) grant titled “Integrating vegetable, poultry, and cover cropping practices to enhance resiliency in organic production systems” lead by Dr. Ajay Nair at Iowa State University.

This research and extension grant is optimizing biotic and abiotic soil management, food safety, economic and productivity-based measurements associated with integrative farming in California, Iowa and Kentucky. Insights from this OREI grant will be used to develop extension-based resources for aspiring integrative farmers.



To learn more about this grant please reach out to any of the following:

Dr. Maurice Pitesky, UC Davis
mepitesky@ucdavis.edu

Dr. Ajay Nair, Iowa State University
nairajay@iastate.edu

Dr. David Gonthier, University of Kentucky
djgo227@g.uky.edu

Faye Duan at fduan@ucdavis.edu is coordinating the project.

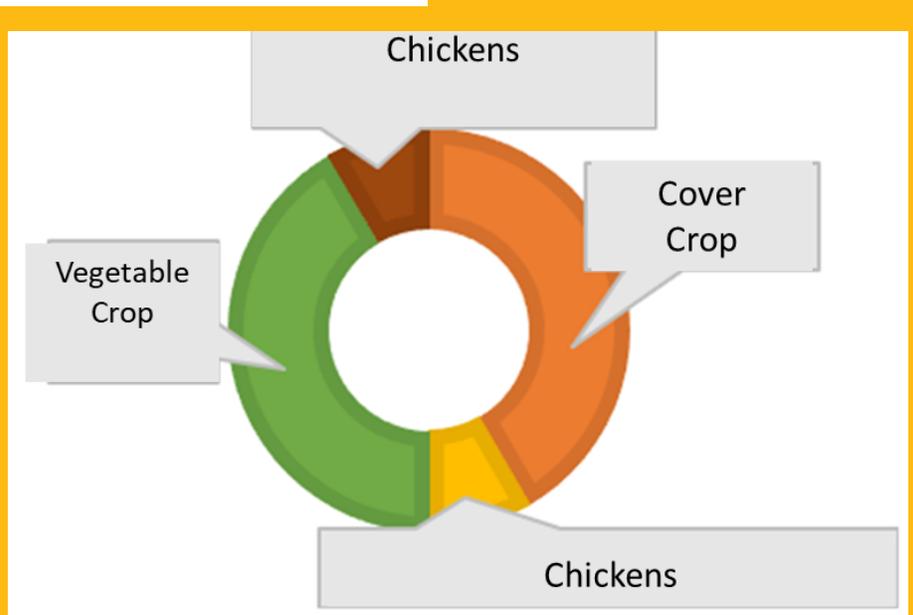


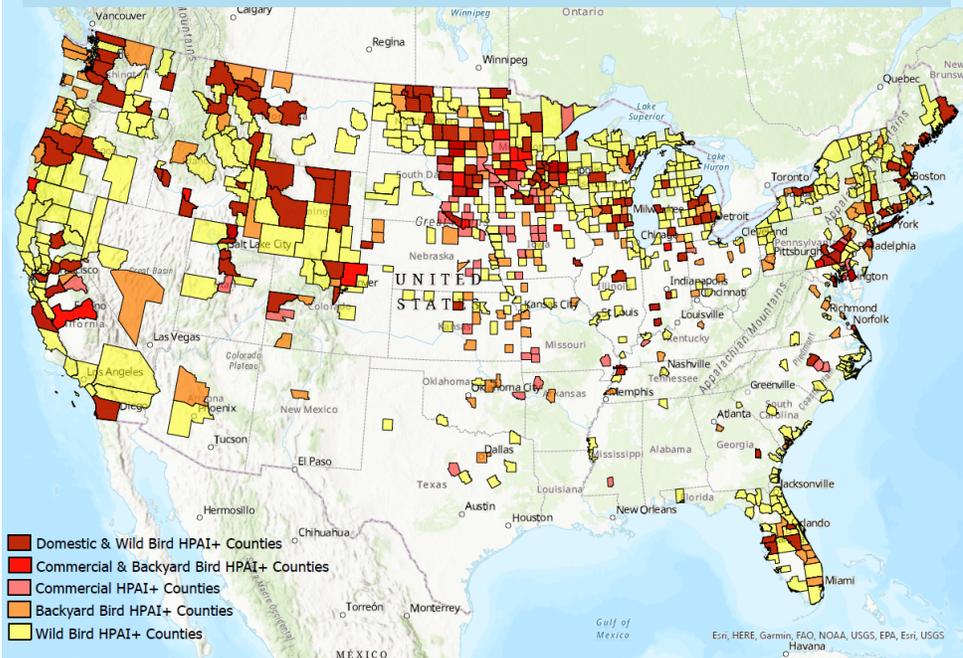
Figure 2. Example of integrative farming where multiple crops and poultry are grown on the same land using a rotational system

Mapping HPAI Detections By County

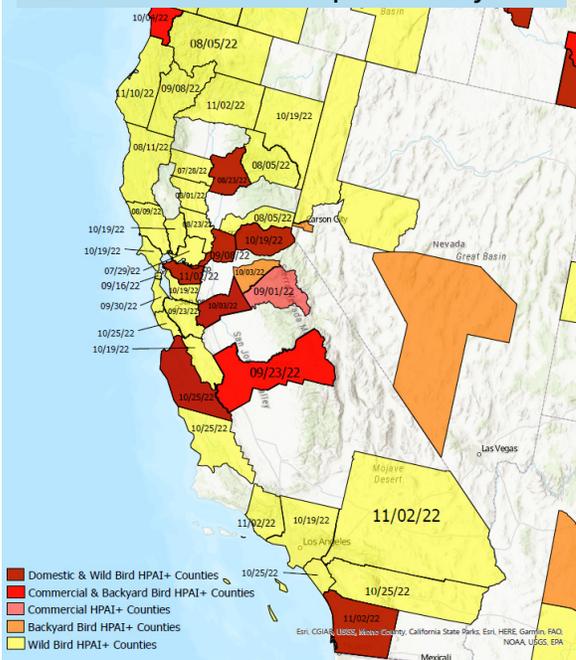
Mr. Brock Riggs, Lab Manager, UC Davis School of Veterinary Medicine Cooperative Extension Poultry Lab
 Ms. Theresa Valdez, Creative Director, UC Davis School of Veterinary Medicine Cooperative Extension Poultry Lab



2022 Highly Pathogenic Avian Influenza Detections per County: National



2022 Highly Pathogenic Avian Influenza Detections per County: CA



There have been more detections of Highly Pathogenic Avian Influenza since Summer 2022 that can be seen mapped here. These maps by Mr. Brock Riggs have been updated regularly and can be viewed publicly on the UC Davis School of Veterinary Medicine Cooperative Extension Poultry Lab's website at ucanr.edu/sites/poultry/. Heightened biosecurity measures, such as keeping birds indoors, are the best method of prevention at this time.

Top 4 biosecurity tips during an outbreak

- Do not allow visitors into your coop
- Use dedicated clothing and shoes when entering the chicken area (e.g. coop, coop run)
- Keep birds in confined housing with solid tops and floors
- Monitor your birds for abnormal symptoms

@ucdpiteskylab

biosecurity

/,bīōsə'kyoorədē/

noun

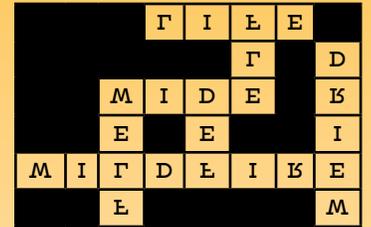
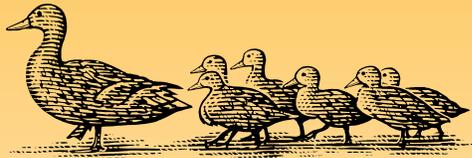
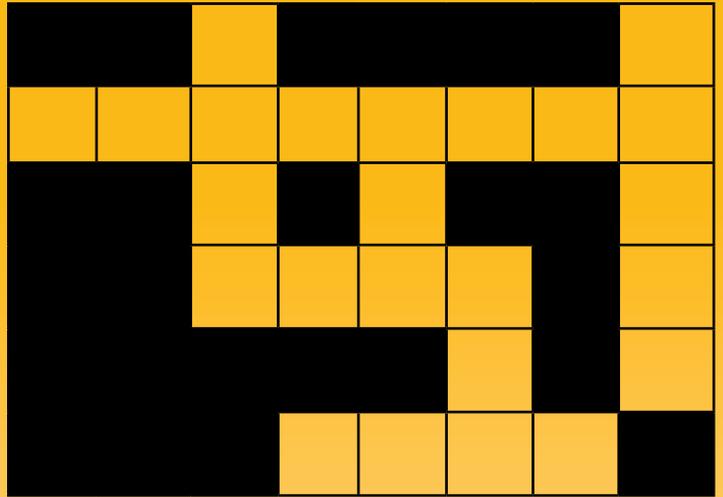
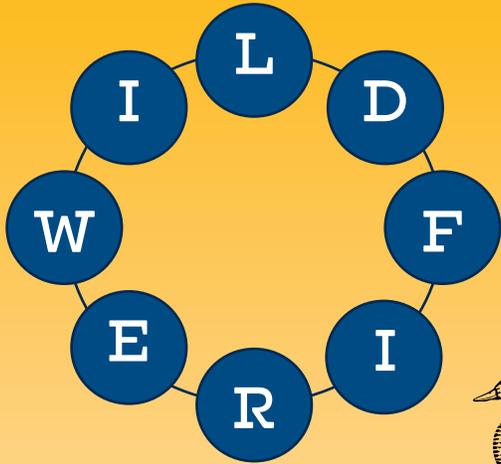
procedures intended to protect humans or animals against disease or harmful biological agents



Wild Words

When evacuating animals, everyone should have their set place in shelter.

Using the letters in the Wheel, try to fill out the crossword! Letters can be used multiple times.
(Solution flipped below)



Have you seen our new series, 'The Sitch'?

Sit down with Dr. Maurice Pitesky as he answers the most common questions for new and experienced backyard poultry owners alike. Get insightful and accurate information on the best practices for raising your own birds.

Visit our channel at:

<https://www.youtube.com/c/UCDavisVetMedPoultryUniversity>

