

UTAH STATE AND COUNTY COOPERATIVE  
**Apriary Program**  
 ESTABLISHED 1892

2017 Summary of State Inspections  
 & Program Accomplishments

### State Inspections

**172**  
Inspections

**815**  
Hives

**19**  
Counties

3 Box Elder	1 Morgan
2 Cache	78 Salt Lake
3 Carbon	1 Sevier
26 Davis	8 Summit
3 Duchesne	1 Tooele
1 Emery	8 Uintah
1 Grand	20 Utah
2 Iron	3 Washington
3 Kane	7 Weber
1 Millard	

### State Inspections

**7** apiaries  
American foulbrood

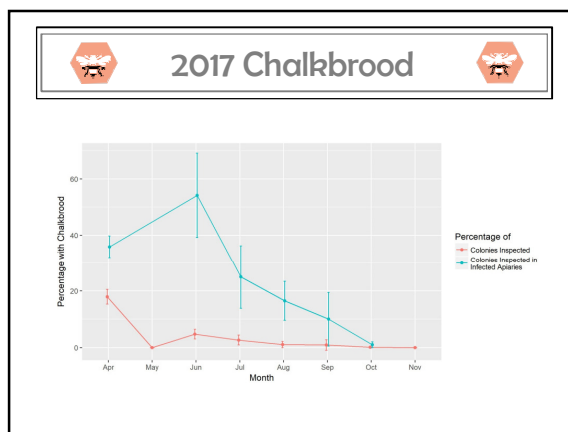
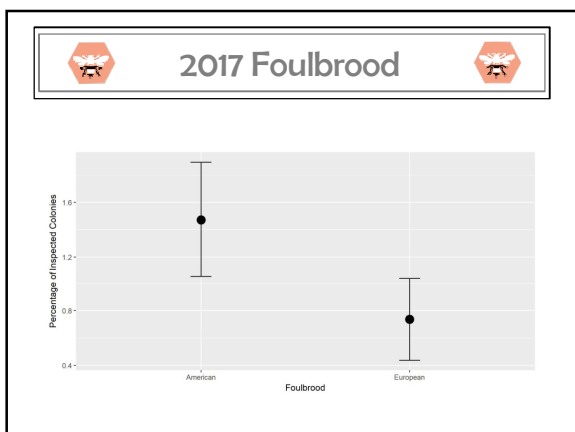
Salt Lake and Utah counties

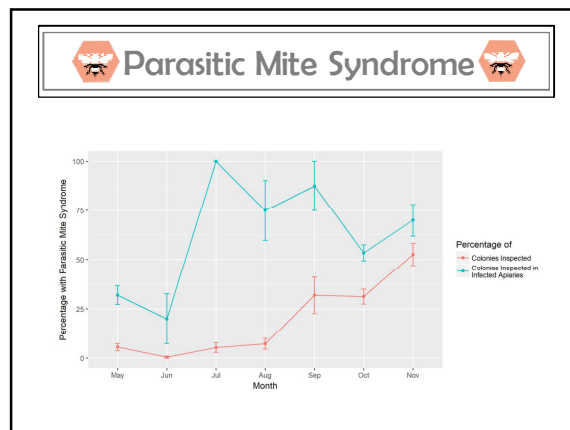
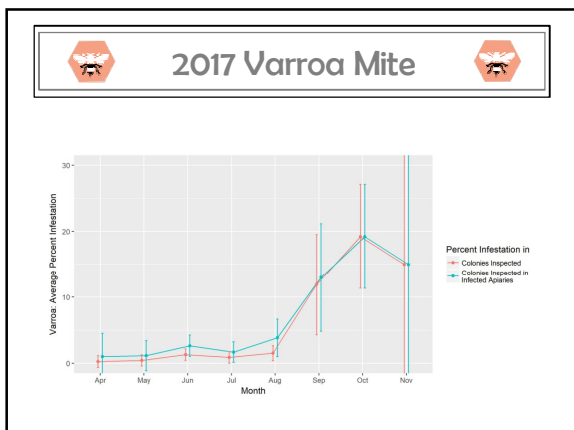
Grand and Kane counties

### State Inspections

15	22
5	68

1) Georgia Department of Agriculture  
 2) Jeff Petric, Beekeeping  
 3) & 4) Rob Snyder, Bee Informed Partnership





### County Inspections

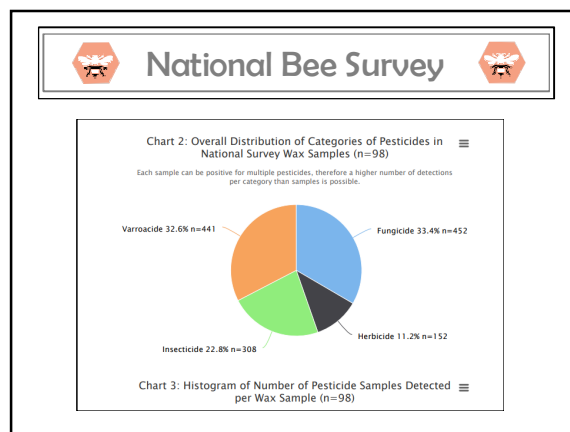
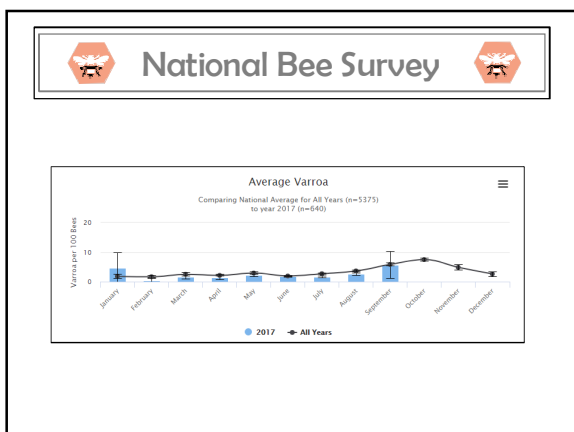
169 Inspections  
1,228 Hives

- 3 European foulbrood
- 25 Chalkbrood
- 2 Sacbrood
- 20 Parasitic mite syndrome

### National Bee Survey

Varroa mite (left) & Tropilaelaps (right)  
I.B. Smith Jr., USDA-ARS

Giant honey bee (top)  
European honey bee (middle)  
Asiatic honey bee (below)  
Ken Walker, Museum Victoria



## National Bee Survey

*Pollen Tested for Pesticide Residues*

**2016**

County of Survey	Pesticide Detected	Type of Pesticide	Class	PPB
Cache	Carbaryl	Insecticide	Carbamate	2.0
Summit	No detections			
Emery	No detections			

**2017**

County of Survey	Pesticide Detected	Type of Pesticide	Class	PPB
Kane	2,4 Dimethylphenyl formamide	Varroacide	Amidine	16.0
Duchesne	Diuron	Herbicide	Phenylurea	39.0
Salt Lake	No detections			
Summit	No detections			
Uintah	Chlorpyrifos	Insecticide	Organophosphate	9.0


## Pollinator Protection








Joey Casato, Utah Department of Agriculture and Food

## Pollinator Protection






Nurseries and landscapers



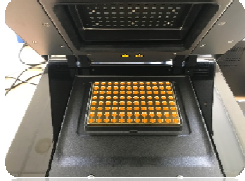

Arborist Outreach



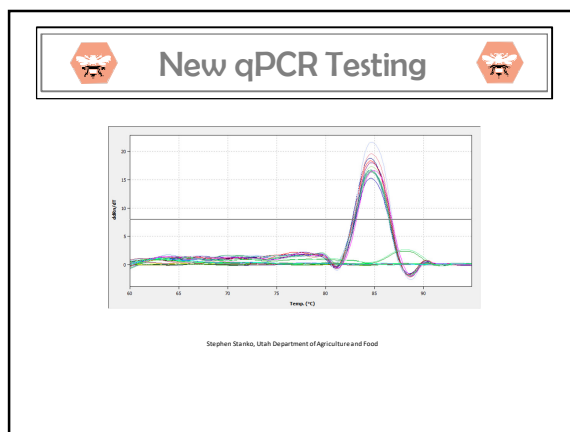
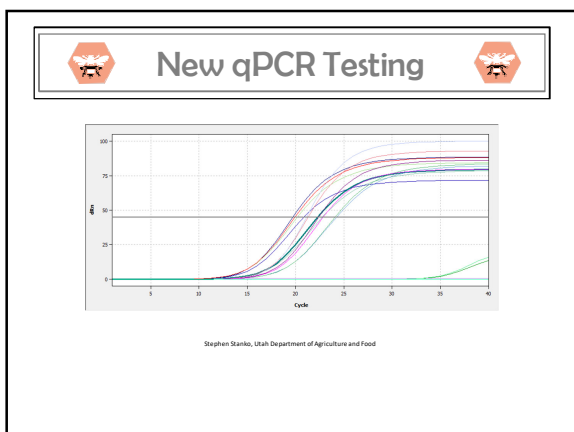
Producers and other applicators

Photo: Tree Care Events

## New qPCR Testing


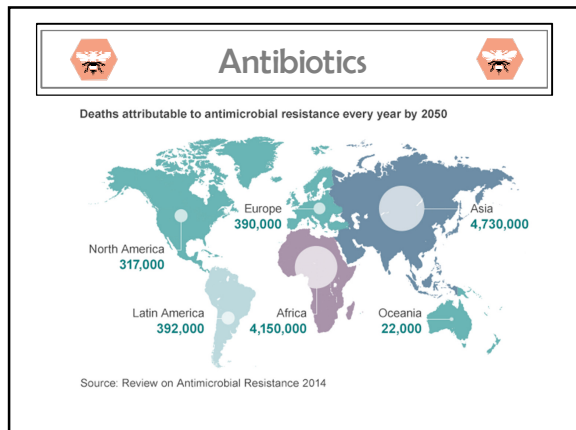



Stephan Skanko, Utah Department of Agriculture and Food



## Antibiotics

- ❑ Antibiotics now require a prescription or VFD from a veterinarian to obtain
- ❑ A list of vets willing to work with beekeepers is available on the website under "Foulbrood and Antibiotics"

## Antibiotics




## Antibiotics

- Steps to use antibiotics:
  - Vet physically visits apiary and collects a sample
  - Vet submits sample and receives test results
  - Vet writes either a VFD or Prescription for antibiotics
  - Beekeeper treats according to VFD/Prescription and keeps records for 2 years


## Small Hive Beetle

**UDAF detected Small Hive Beetle (SHB) for the second year in a row**

- ❑ SHB was detected in **Washington County** for the second year in a row
- ❑ SHB was detected for the first time in **Davis County** in two separate apiaries



Small Hive Beetle Adult  
Lyle J. Buss, University of Florida





Small Hive Beetle larvae feeding on a honey frame  
Chris Hedstrom, Oregon Department of Agriculture


## Small Hive Beetle




1.5 mm

Chris Hedstrom, Oregon Department of Agriculture

 **Small Hive Beetle** 



Small Hive Beetle





Wax Moth

Chris Hedstrom, Oregon Department of Agriculture

 **SHB Impact** 



Ontario Ministry of Agriculture, Food and Rural Affairs

 **Contact Information** 

Utah Department of Agriculture and Food Apiary Program

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