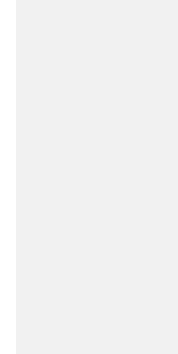




Advancing Stewardship through Mapping

Georgia 2024 Intro



FieldWatch 2024 at a glance

25 STATES,
Washington DC+
1 PROVINCE

MAPPING TOOLS



58,000
INDIVIDUAL USERS

57,000
REGISTERED SITES

1.65M +
MAPPED ACRES

MOBILE APPS



FieldCheck by
FieldWatch
FieldWatch, Inc.
E Everyone



INSTALL



BeeCheck
FieldWatch, Inc.
E Everyone



INSTALL

Success Story



Red Gold tomato growers reduce crop damage due to drift thanks to DriftWatch

2008 - >\$750,000 claims due to drift
2009 – Drift incidents reduced by 50%; damage reduced by 90%
2010 - Now – Negligible damage due to drift



“Since participating in DriftWatch, our commercial tomato producers have experienced a precipitous drop in claims due to drift.”

~ Steve Smith, Director of Agriculture, Red Gold





What Does FieldWatch Do?

FieldWatch® is a **non-profit company** that develops and operates online mapping registries to **advance stewardship** and **protect biodiversity**. These registries show applicators where organic crops, specialty crops and apiaries are located to prevent damage from spraying pesticides.

It is the **ONLY** national crop registry. Opt-in is **voluntary** and access is **free**.

DriftWatch®, BeeCheck® and CropCheck® are web-based mapping tools created to allow growers and beekeepers to map their sites as well as input their crop, apiary and contact information.

FieldCheck® is the **one-stop-shop** ALL ACCESS portal for applicators to access grower and apiary locations in order to make the most informed and up-to-date decisions.

SeedFieldCheck is a program in Iowa, Illinois, Indiana, Michigan, and Nebraska that communicates the presence of seed field workers to pesticide applicators.

Formed in 2008 by Purdue University and interested agriculture stakeholder groups, **FieldWatch** is funded by state departments of agriculture, corporate sponsors across the agriculture value chain and producer and applicator members.

ALL MAPPED SITES - NORTH AMERICA



IOWA CROP SITE REGISTRY

[Home](#) [About](#) [FieldWatch Map](#) [Order Signs](#) [Contact Us](#)

APPLICATOR Hadley

Engineered Applicator

[My Profile](#) [Alerts](#) [Log Out](#)

[Add Annotation](#) [EXPORT SITES IN MY AREA](#)

[Go To My Location](#)

Sites loaded at 02/24/2022 at 11:26 am

Search by Address, Zip Code, etc.

Applicator Map Settings

Show sites in my area only

Filter Growing Conditions

All

Organically Grown (in states permitted)

Certified Organic

Conventionally Grown

Filter Crop Types ALL STATES 14

All

Alfalfa

Aquaculture

Beehives

Corn

Cotton

DNR Protected Site

Fish Farm

Fish Ponds

Fruits

Fruits

Grapes

Greenhouse

Hops

Industrial Hemp

Legumes

Mint/Herbs/Spice

Non-specialty Certified Organic

Non-specialty Transition to Certified Organic

Nursery Crops

Nut trees

Orchard

Other

Pastures

Peanuts

Peppers

Pumpkins or Melons

Rice

Seed Corn (5FC)

Soybeans

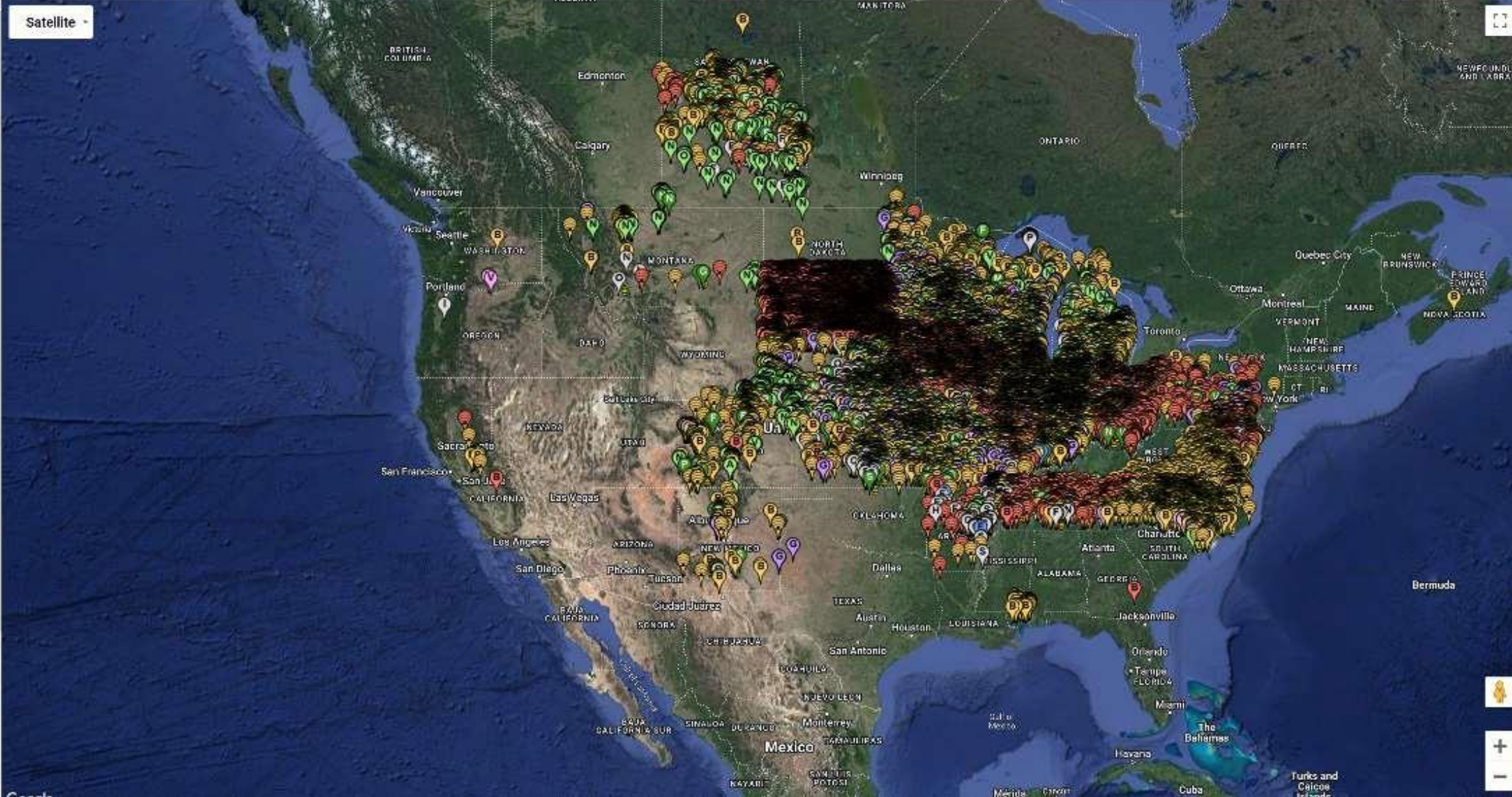
Specialty Farm

Specialty Farms

Specialty Grain Crop

Sunflowers

Tobacco



Add Annotation

EXPORT SITES IN MY AREA

Go To My Location

Sites loaded at 03/18/2022 at 1:36 pm

Search by Address, Zip Code, etc.

Applicator Map Settings

Show sites in my area only

Filter Growing Conditions

- All
- Organically Grown (in states permitted)
- Certified Organic
- Conventionally Grown

Filter Crop Types

ALL STATES IL

- All
- Alfalfa
- Aquaculture
- Beehives
- Corn
- Cotton
- DNR Protected Site
- Fish Farm
- Fish Ponds
- Fruits
- Fruits
- Grapes
- Greenhouse
- Hops
- Industrial Hemp
- Legumes

Satellite



Google

ga.driftwatch.org/map

Apps X FW SF MS

Bookmarks East Hills FieldWatch Car Works CRH Purdue Tabs Mobile IL sites IN sites

GDA **FieldWatch** GEORGIA CROP SITE REGISTRY

Home About FieldWatch Map Order Signs Resources Contact Us Dashboard Reports

UPLOAD SHAPEFILES Go To My Location

Filter Growing Conditions

- All
- Organically Grown (in states permitted)
- Certified Organic
- Conventionally Grown

Filter Crop Types ALL STATES GA

- All
- Alfalfa
- Beehives
- Berries
- Christmas Trees
- Corn
- Cotton
- Floriculture or Greenhouse
- Fruits
- Fruit Trees
- Grapes
- Greenhouse - high tunnel
- Herbs
- Hops
- Industrial Hemp
- Non-specialty Certified Organic
- Non-specialty Transition to Certified Organic
- Nursery Crops
- Nut trees
- Pumpkins or Melons
- Rice
- Soybeans
- Tobacco
- Vegetables
- Other

Toggle Map Overlays

- State Apiary Distance
- County Lines

Satellite

This IS a Georgia registry, branded as such, and just getting started...

Applicator Map Detail View





Crop Area IL-85869

Approximately 63.64 acres
Conventionally Grown
Submitted 02/10/2021 Approved 02/17/2021
Updated 01/14/2022

SOYBEANS

Site expires from map after 03/31/2023

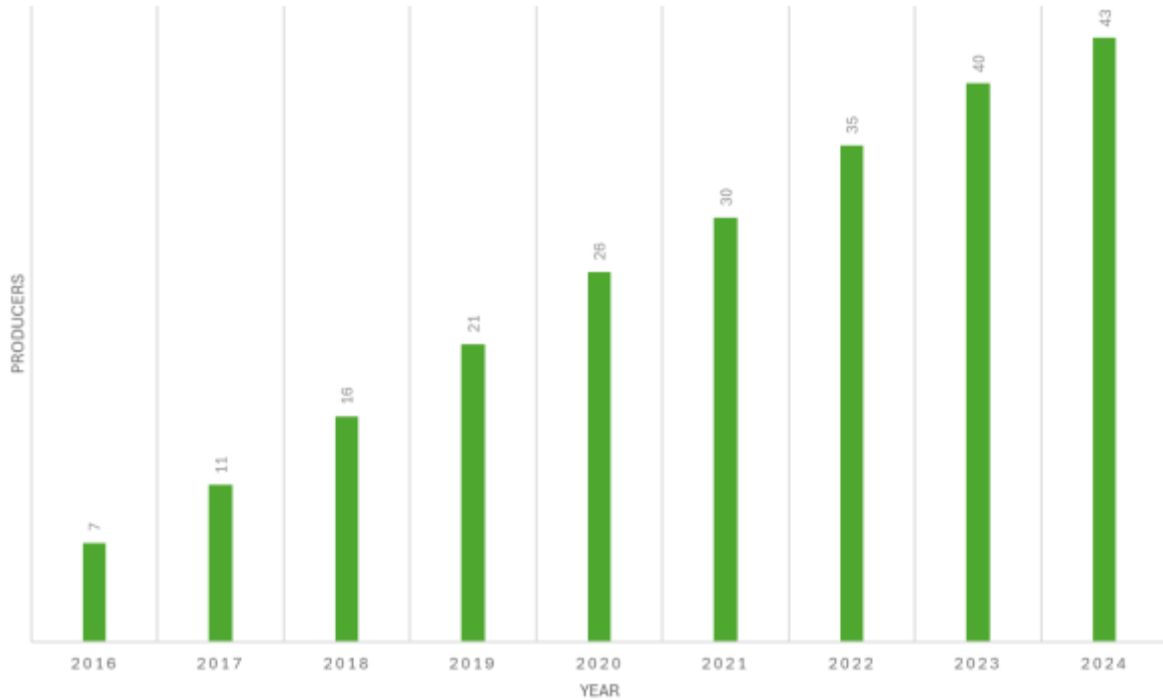
Information

Producer:	Noian Wilkens	Notes:	Ehlist E3 Soybeans Grower: Gabe Cuthbert 309-224-1100
Company:	Wilkens Farms	Center:	Latitude: 40.511224 Longitude: -91.296483
Email:	nwilkens90@gmail.com		
Address:	1985 N County Rd 900 Nauvoo IL 62354		
Phone:	217 357 1513		

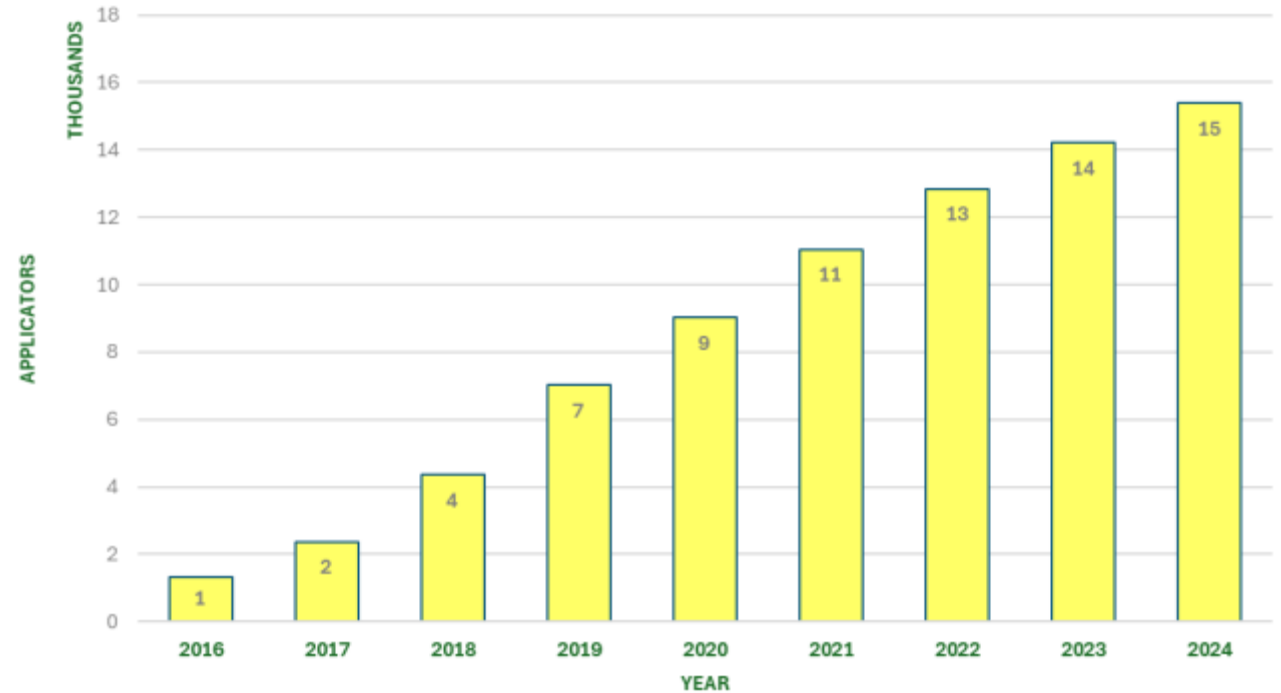
[Report a problem with this site](#) Close

Growth - Producers and Applicators

PRODUCERS USING DRIFTWATCH®



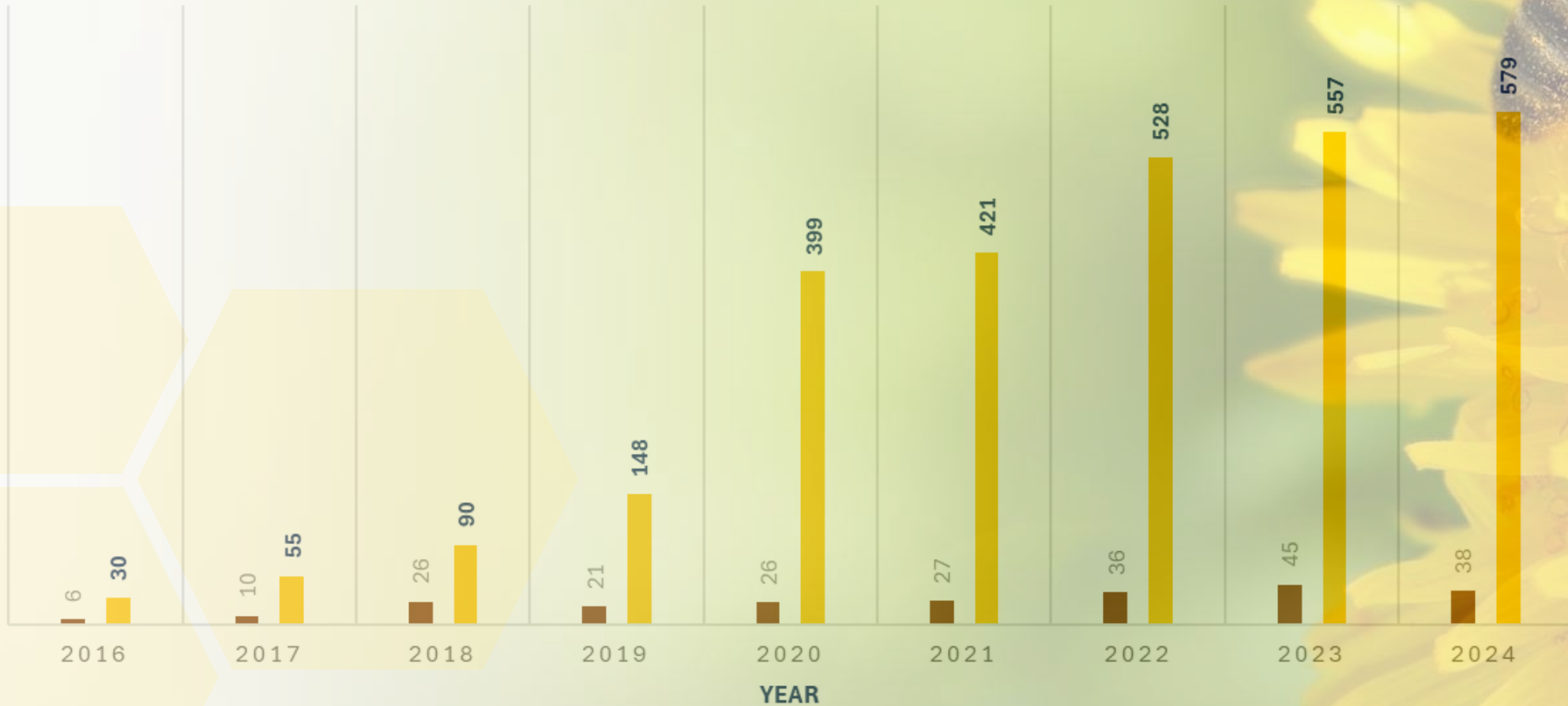
*APPLICATORS USING FIELDCHECK®



Growth in use among Beekeepers

BEECHECK™ APIARIES BY YEAR

■ BEEKEEPERS ■ HIVES



Protecting Pollinators

BeeCheck™ is an online mapping registry that helps beekeepers and pesticide applicators communicate with each other to keep hives safe. Beekeepers can map their apiaries and easily update beehive locations through real-time GPS technology when out in the field.

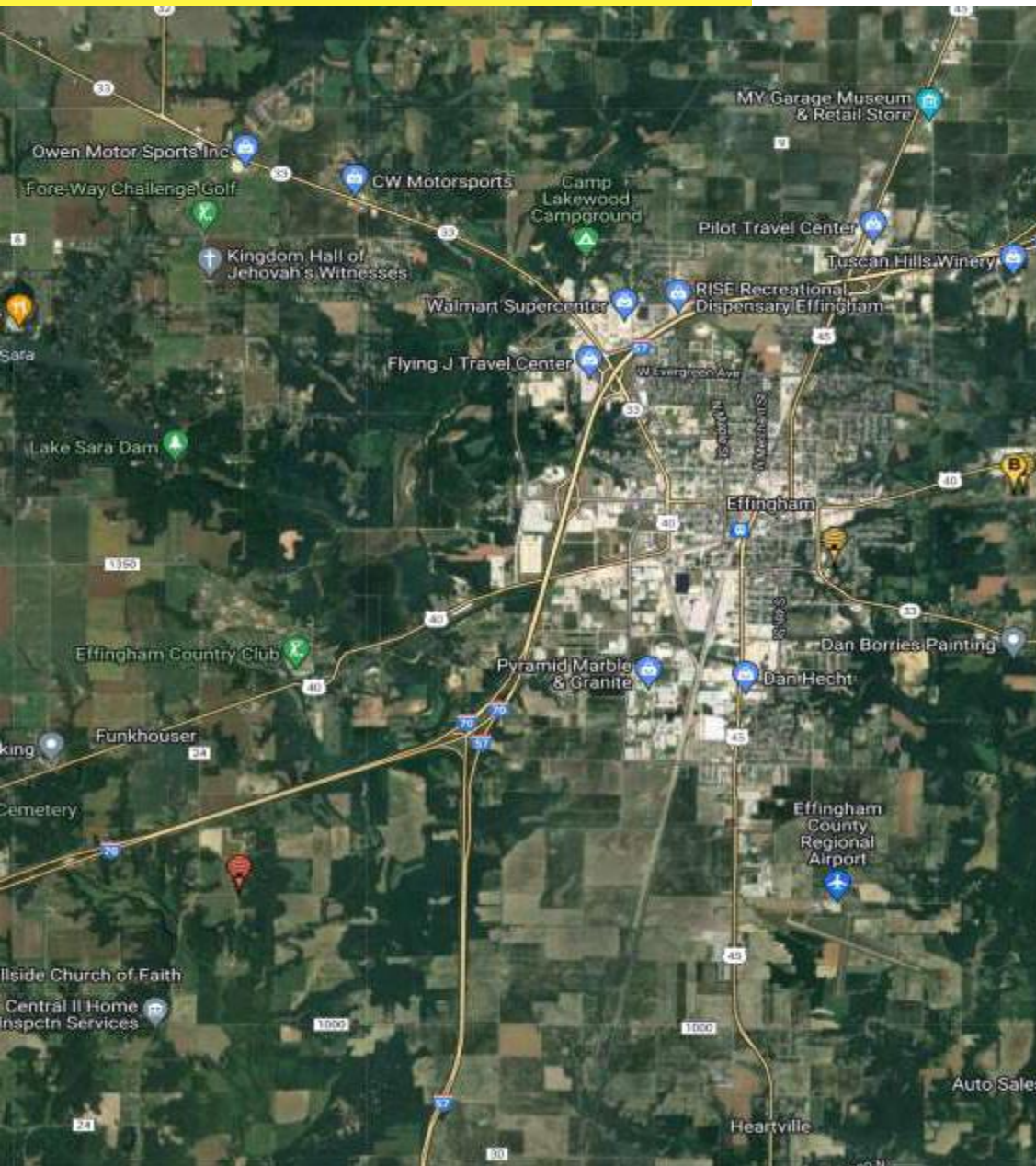
In 2019, FieldWatch launched an integrated program with California's state pollinator protection program in partnership with the BeeWhere program in California and their broad base of stakeholders. Now, beekeepers located in California or those coming to the state during pollination season can easily register their hives through **BeeCheck** or through the **BeeWhere** websites.


In 2021, FieldWatch launched a collaboration with the Washington, D.C. Government to **allow urban beekeepers to communicate the location of their beehives to pesticide applicators** by using BeeCheck.



Since 2016, FieldWatch has been a member of the [Honey Bee Health Coalition](#), which aligns ag stakeholders to implement solutions that help honey bees thrive in agriculture and our ecosystem.

Apiary / Site Details:





Beehive IL-52867

"Effingbees Apiary"
Submitted 09/17/2018 Approved 09/17/2018
Updated 03/28/2024
Number of Hives for this submission: 5

[Transfer Site Ownership](#)

Site expires from map after **04/30/2025**

BEEHIVES

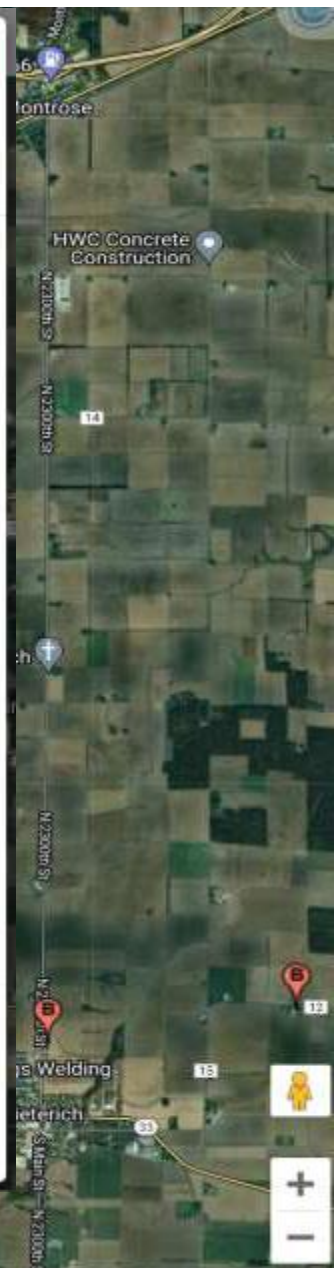
Information **Modifications**

Producer: Lucas Shaffer
Company: Effingbees Apiary
Email: lucascshaffer@gmail.com
Address: 917 S Glenwood EFFINGHAM IL 62401
Phone: 6184205746

Website: http://s://www.youtube.com/channel/UCcTFqUKJBx_SqDKF12g6B6ow?view_as=subscriber
Notes: Check out the Youtube Channel https://www.youtube.com/channel/UCcTFqUKJBx_SqDKF12g6B6ow
Site Link: <https://il.driftwatch.org/map?view=IL-52867>
Center: Latitude: 39.113034
Longitude: -88.535442
Purpose: Hobbyist
Location Type: Permanent for the Season

[Remove Site Approval](#)

[Make Changes to Site](#) [Remove This Site](#) [Close](#)



Welcome to DriftWatch™

Communication + Cooperation + Collaboration = Successful Co-existence

This site is a voluntary communication tool that enables crop producers, beekeepers, and pesticide applicators to work together to protect specialty crops and apiaries through use of mapping programs. It is not a substitute for any state regulatory requirements.

For more resources and information, please visit [FieldWatch, Inc.](#)



Access My Map

If you are a producer or an applicator and already have a FieldWatch, BeeCheck, or DriftWatch Account, log in here.

Login

Username:

Password:

Don't have an Account yet?



Map My Specialty Crops

[Click here to sign up as a commercial specialty crop producer.](#)



Map My Apiaries

[Click here to sign up if you only keep bees.](#)



Applicator Registration

[Click here to sign up if you are an applicator.](#)

Beekeeper / Account/Site Privacy:

User Profile

Username Must be at least 6 characters

HoneyHadley

Password

[Change My Password](#)

Email Address

honey@hadley-homo.com

[Save Changes](#)

Site Location Disclosure

If you don't want your mapped beehives on the public map, the beehive location and your contact information can be selectively displayed on the BeeCheck Map based on your preferences as follows:

Display My Beehive Locations To:

Everyone viewing the Public Map.

Applicators registered with BeeCheck only. (Not all applicators who use BeeCheck are signed-up on the website).

Contact Information

First Name:

Honey

Last Name:

Hadley

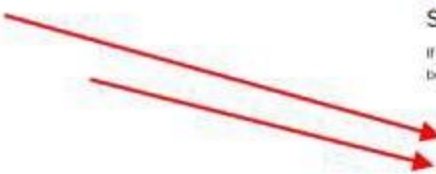
Organization (Optional):

FieldWatch

Web Site (Optional):

http://

Street:



FEEDBACK FROM BEECHECK USERS

This is what we heard from **BeeCheck** users who responded to our 2021 survey:



“Recently the crop-dusting outfit in our area called me to give me time to lock my bees up before they sprayed. Good job, FieldWatch!”

Beekeeper, IN

“I was actually contacted by an arial sprayer the evening before they sprayed!!! It was great!!! I brought them a jar of honey to show my appreciation!!”

Beekeeper, IA

“I know the site works. I’ve had sprayer operators call me to confirm where the hives are located and to make sure it was ok to spray with the current wind direction. They also ask questions about the best times to spray.”

- Beekeeper, NE



FEEDBACK FROM FieldCheck USERS:

This is what we heard from **DriftWatch** users who responded to our 2021 survey:



“Local co-op said they appreciate me using FieldWatch.”

- Producer, NE

“I feel DriftWatch is a great tool. I’m very fortunate for it as It’s likely saved our orchard.”

- Producer, OH

“I really appreciate this service. I have been contacted by the utility company and herbicide contractors prior to their work near our farm.”

- Producer, NE



“I really appreciate DriftWatch/FieldWatch as a tool to prevent drift and damage to nearby properties that are registered. I call EVERY beekeeper within 2 miles of an application and give them at least 24 hours notice in case they may want to pen the bees up the night before the application.”

– Aerial Applicator, IN

Expansion of Row-Crop Mapping:

Started in 2018

in 2021 – 5 states mapping row-crops of:

- Corn
- Cotton
- Rice
- Soybeans

Crops being mapped with detailed pesticide tolerances to help avoid GMO / Non-GMO issues and trait issues

Offered in ALL States / Areas in 2022

Corn increased 25% to 38,00 + acres

Cotton increased 16% to 30,000 acres

Soybeans & Rice held flat at 70K & 10K acres

Most states did NOT heavily promote to avoid increased mapping / state resources

Bulk uploader continued use in 2024...



Bulk Uploader for 2024:

- Based off of the SeedFieldCheck® Registry User Feature
- Allows Shapefiles and Field / Crop Data to be Uploaded Vs Manual Entry
- Designed with Row-Crops in mind, but can be used with ANY crop type
- Allows larger acre growers an efficient method of mapping
- **LIMITED roll-out in 2023/2024 at the ADMIN level in FieldWatch**
 - Expanding usage in 2024 and beyond
 - Will allow retailers, consultants, agronomist and organic certifiers to map clients' fields
 - Once proven – Larger growers will have ability to upload fields in bulk
 - ANY grower with fields mapped in most systems can participate

FieldWatch Technology Partners:



Granular

Inclusion by software companies multiplies FieldWatch's reach 10x. Current estimate is 30,000+ applicators using Precision Ag Software.

Consult your Precision Ag platform to see if FieldWatch data is possible.

Feedback from DriftWatch Users



This is what we heard from DriftWatch users who responded to our 2021 survey:

"I feel DriftWatch is a great tool. I'm very fortunate for it as it's likely saved our Orchard." – Ohio Producer

"I really appreciate DriftWatch/FieldWatch as a tool to prevent drift and damage to nearby properties that are registered. I call EVERY beekeeper within 2 miles of an application and give them at least 24 hours notice in case they may want to pen the bees up the night before the application." – Aerial Applicator - Indiana

"I really appreciate this service. I have been contacted by utility company herbicide contractors prior to their work near our farm." - Nebraska Producer

"Local co-op said they appreciate me using FieldWatch." - Nebraska Producer

FieldWatch Membership



- ✓ Member States
- ✓ Sponsors (Food/Ag Companies, Retailers)
- ✓ Trade Associations
- ✓ Applicators
- ✓ Producers
- ✓ Friends of FieldWatch

All Registries are
FREE to use!

FieldWatch Sponsors:

Agribusiness Assn of Iowa
Almond Board of California
Aon Risk Solutions
BASF Corporation
Bayer Crop Science
Beck's Hybrids
Corteva Agriscience
CropLife America
FMC
Del Monte
Gowan
GROWMARK
Harvest Land Coop
Illinois Agricultural Aviation Assn
Illinois Farm Bureau
Illinois Fertilizer and Chemical Assoc.
Iowa Seed Association

Co-Alliance Cooperative, Inc
Helena Agri-Business
John Deere
MFA, Inc.
North Carolina Farm Bureau
Midwest Food Products Association
Minnesota Crop Production Retailers
Nutrien Ag Solutions
Purdue University
Red Gold, Inc.
South Dakota Agri-Business Assoc.
Syngenta
The Andersons
Heritage Cooperative
Valent
Winfield United

**A few companies have asked for privacy*

FieldWatch

Mapping Seed Corn:

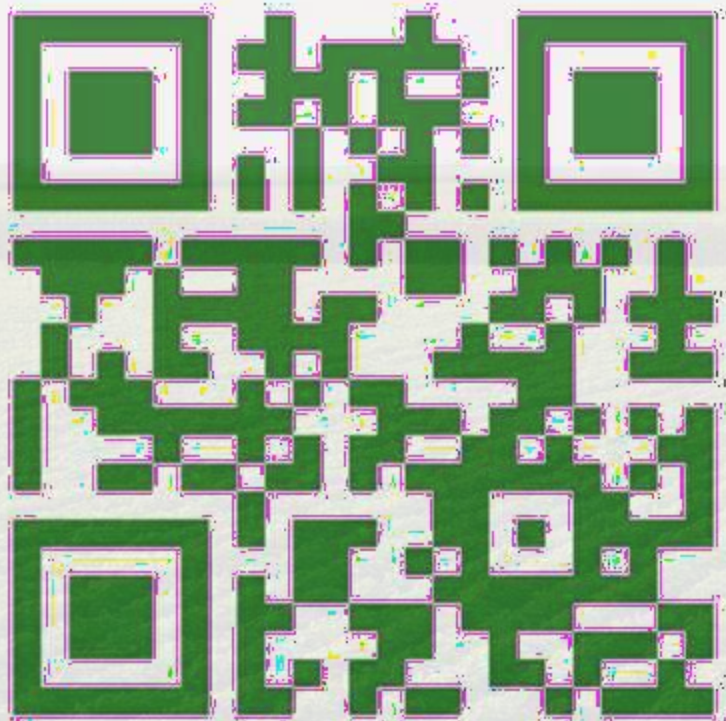
- 400,000+ acres mapped in 2024 (5th year of program)
- 8 states – IA, IL, IN, NE, MI, MN, OH, WI
- 10 seed corn companies
- HUGE success across corn-belt to identify field-workers
- Allows seed companies to have a ‘private portal’ to their seed fields
- Fields are ONLY visible during periods of manual labor and NOT visible at other times
- Easily adaptable to other states with large numbers of manual labor field workers...

Field Signs Available

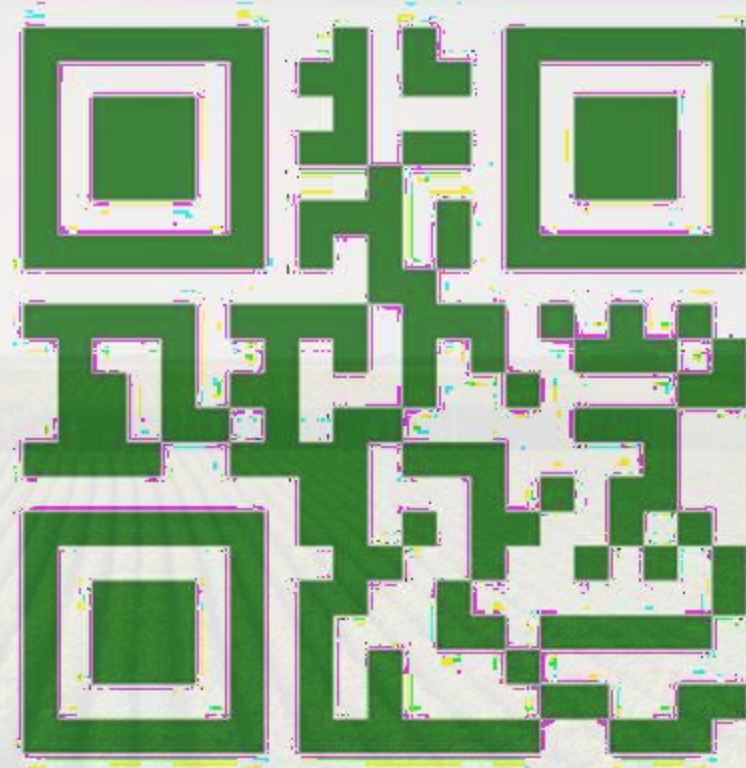
To further promote awareness & communication in the field



Learn More:



<http://www.fieldwatch.com>



<http://driftwatch.org>

FieldWatch[®]

Certification & Training

Rule Changes Summary

- EPA is mandating all states, territories, and tribes to standardize
- Enhances applicator competency standards to ensure RUPs are used safely.
- Establishes a nationwide minimum age(18) for certified applicators and persons working under their direct supervision.
- Establishes a maximum recertification interval of 5 years for commercial and private applicators.
- Requires specialized certifications for people using specific application methods (fumigation and aerial).
- Establishes protection for noncertified applicators by requiring training before they can use RUPs (under the direct supervision of a certified applicator). Noncertified applicators must complete the training outlined in the rule, complete Worker Protection Standard handler training, or complete a program approved by the state.



Nicholas Sumner

Pesticide Program Manager
Ag Inputs Division

Georgia Department of Agriculture

19 M.L.K, Jr. Dr. SW | Atlanta, GA | 30334

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