



Bee Facts

- 1 of every 3 bites you take are due to a pollinated crop
- A worker bee will produce 1/12 of a teaspoon of honey during it's life
- Hive consists of 20-60,000 bees
- Worker bees only live 6 weeks

It's Cool to be a Beekeeper



Beekeepers

Hobbyist 10,000 +

Sideline 100s people who derive some income from beekeeping

 Commercial < 12 primarily pollinators who have 1000s of stands of bees

Top Crops Pollinated in NC

- Blueberries
- Pumpkins
- Apples
- Cucumbers

Generally 100.00 per hive for pollination



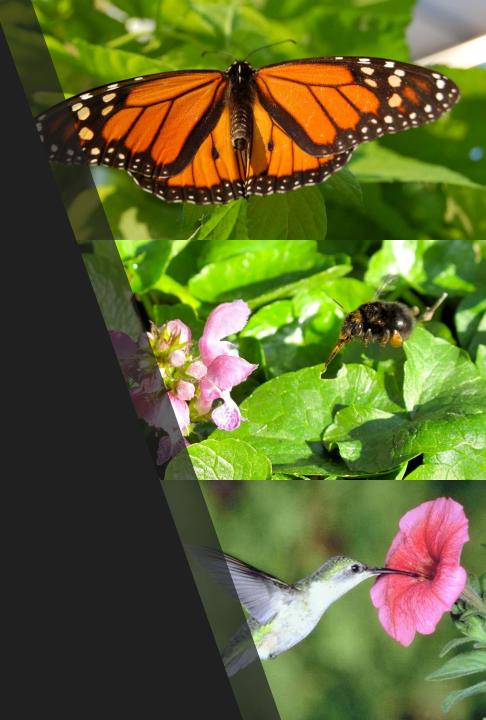
What's Causing Bee Decline?

- Varroa Mites are Public Enemy Number 1
- Habitat Decline
- Forage Resources
- Disease (viral and bacterial)
- and Yes Pesticides



Honeybees: are not the only Pollinators

Several species of Other
Insects that are Responsible
for Pollination too. Even
though they are not
domesticated, they deserve
protections from pesticides



Be in Compliance

- Correct license: Structural License P phase
 Pesticide Section Public
 Health Category
- Use properly labeled Pesticides
- Follow label directions
- Look out for managed hives

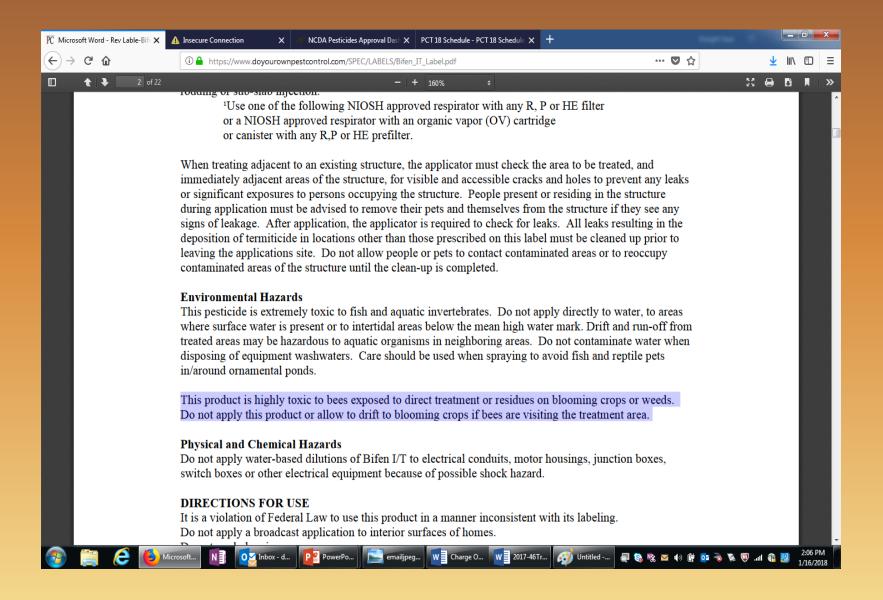


When Bees are Present

- Communicate with beekeeper to cover bees
- Don't apply when bees are foraging area
- Apply at dusk if possible
- Use less toxic insecticide
- Be conscious of drift



Environmental Hazards



Investigation

- Mosquito treatment made using bifenthrin
- Managed hives in the vicinity
- Plants blooming that were attracting bees
- Application made to Privet hedge
- Company not properly licensed expired and didn't have public health category
- Label violation documented



Investigation

- Bee kill reported
- No obvious pesticide treatment
- Termite treatment was made prior
- Bees attracted to AC condensation in trench
- Plastic weed barrier with no gutters on house held water
- Treatment by licensed PMP
- No violations









FieldWatch.com



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Communication + Cooperation + Collaboration = Successful Co-existence

FieldWatch is a non-profit company that offers mapping and communication tools which are just one element of a successful formula for successful co-existence of specialty producers, large scale commodity farmers, commercial and private applicators and beekeepers. Communication is the start, but cooperation and collaboration of all parties is essential. Sometimes it means compromise or adjustments that foster an environment that everyone can do what they need to do with respect to the needs of others.

WELCOME NORTH CAROLINA USERS!!

NCDA&CS Press Release

Click here to sign up or login as a commercial crop producer.



Click here to sign up or login in if you only keep bees.



Click here to sign up or login if you are an applicator.





FOR ORDERING SIGNS AND FLAGS, YOU MUST HAVE AN APPROVED CROP OR APIARY SITE. <---- Click on field sign to go to order page!!

@FieldWatchInc





FieldWatch,

Inc. @FieldWatchInc

lore coverage of #BeeCheck thanks to

@AgricultureDE wgmd.com/beekeepers-



FieldWatch,

vesterday

New Apiary Program In Missouri!!

Check out the new Missouri Pollinator Conservancy Program initiated by University of Missouri Extension in collaboration with the Missouri Department of Agriculture, Missouri Farm Bureau, applicators, crop producers, beekeepers and FieldWatch. New BeeCheck flags are available from FieldWatch for beekeepers who have approved apiary sites on DriftWatch. Link for more information: MPCP



FieldWatch - DriftWatch

Specialty Crop Site Registry

DriftWatch Website

- An easy-to-use, reliable, accurate and secure on-line mapping tool intended to enhance communications that promote awareness and stewardship activities between producers of specialty crops, beekeepers, and pesticide applicators to reduce incidences of drift.
- FREE EASY

Communication + Cooperation + Collaboration = Successful Co-existence

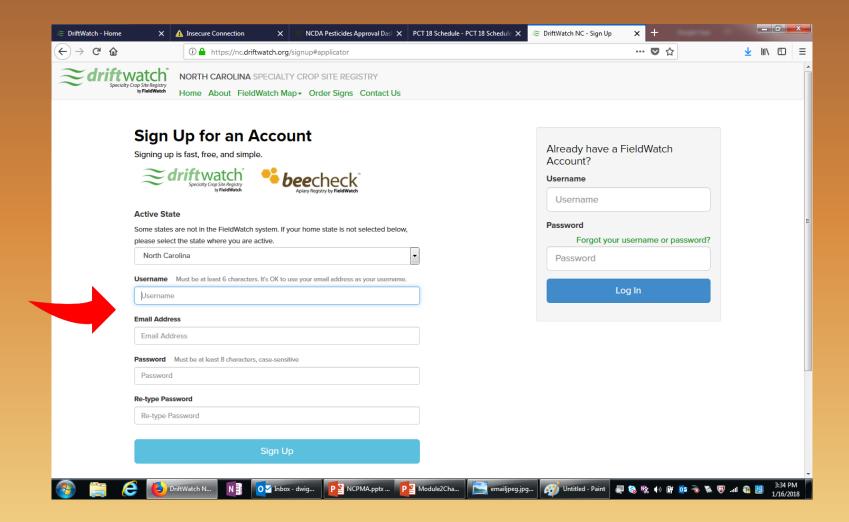
FieldWatch - DriftWatch

Specialty Crop Site Registry

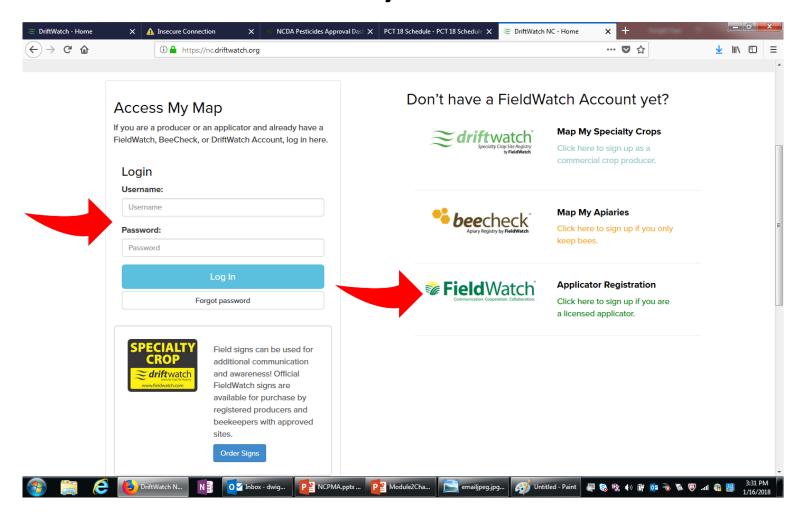
FieldWatch - DriftWatch - BeeCheck

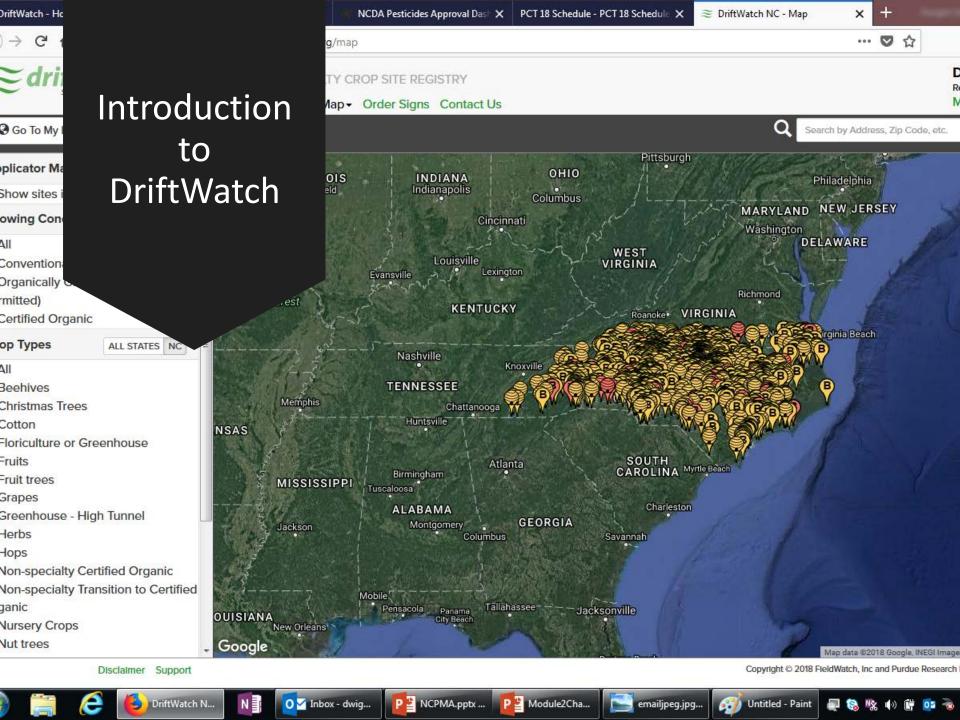
- FieldWatch a non-profit company created to develop and operate the DriftWatch Specialty Crop Site Registry
- DriftWatch a web based mapping tool created to promote communications between producers of specialty crops and pesticide applicators in support of ongoing stewardship activities
 - Designed to alert applicators where specialty crop fields and beehives are located before their applications of chemicals
- BeeCheck a web based mapping tool created for beekeepers (hobby, sideline, and commercial) to map apiaries, purchase signs, and flags.

Register for an Account

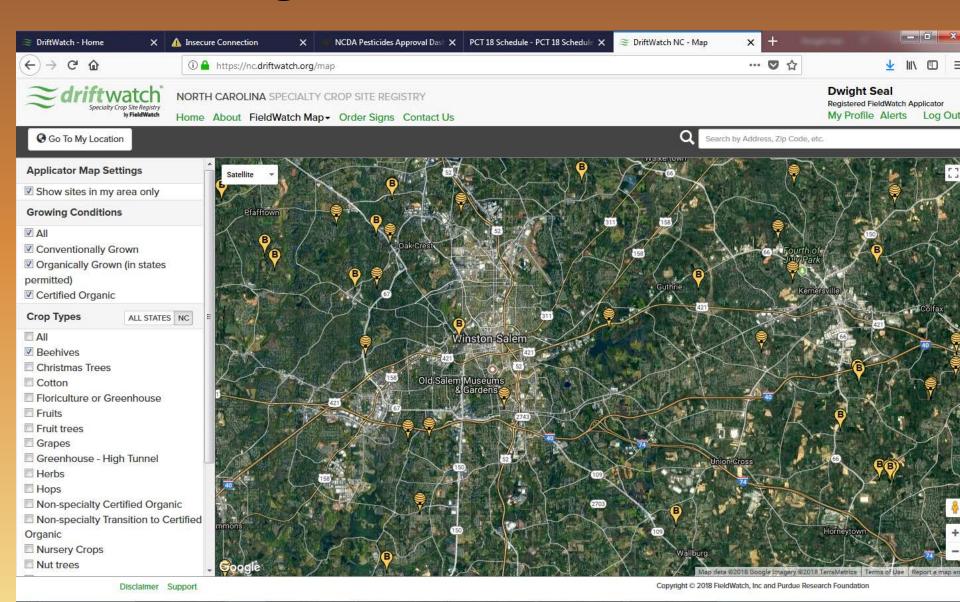


Register with Field Watch and indicate counties you service

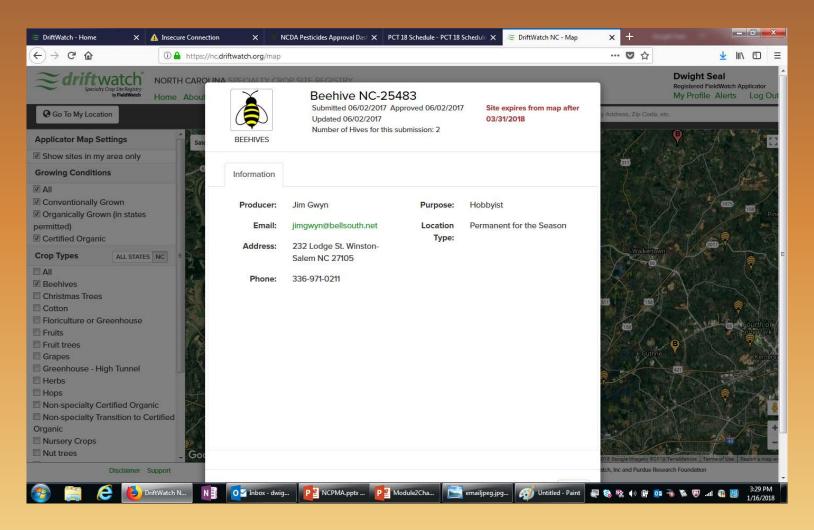




Hives Registered in Winston Salem



Click on Pin and details of Beekeeper will be shown

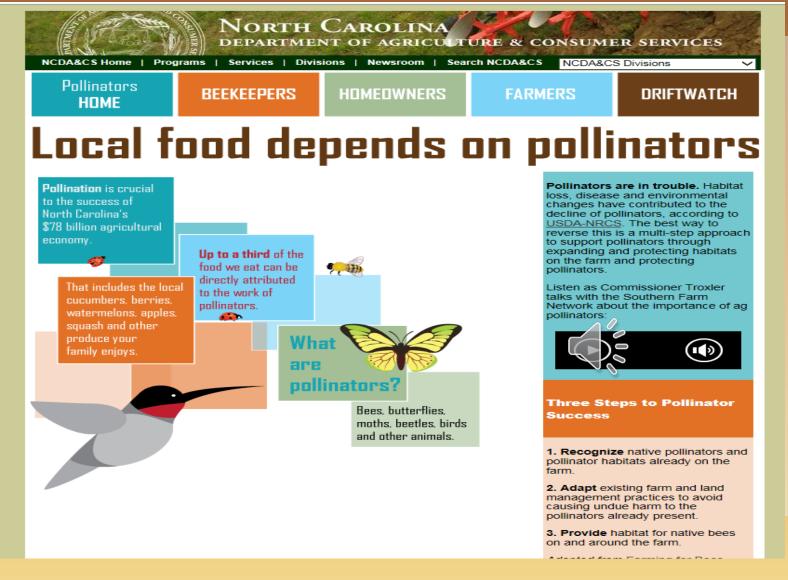


FieldWatch - DriftWatch - BeeCheck

Specialty Crop and Apiary Site Registry

	Registered				
State	Start Date Applicators	Reg	istered Producers Ro	egistered Apiaries	Registered Beehives
Delaware	1/1/14	5	51	41	1890
New Mexico		18	55	109	793
Montana	8/1/12	30	52	112	112
Nebraska	6/1/12	254	575	197	482
Michigan	6/1/10	145	418	232	1095
Kansas	3/1/14	89	384	262	675
Minnesota	8/1/11	132	565	377	2245
Missouri	1/1/13	70	656	599	903
Wisconsin	12/1/10	50	751	650	3443
Colorado	8/1/12	144	360	676	1861
Saskatchewan	5/1/14	9	147	789	7127
Indiana	3/1/09	292	1446	1082	2752
North		4.00	4.400	4.600	- 000
Carolina	4/4/16	160	1430	1699	7888
Illinois	7/1/10	223	1842	1580	3495
Total:		1485	8070	7883	30569

New Webpage: http://www.ncagr.gov/pollinators/index.htm



Visit the Booth for More Information



QUESTIONS, COMMENTS or DISCUSSION?

Dwight E. Seal NCDA&CS
Pesticide Section