

# IDALS Updates



19th Annual Iowa Farmers Market Association Workshop







# 2015 Iowa Commercial Horticulture Survey Results

By Arlene Enderton, Corry Bregendahl, Dave Swenson, and Leigh Adcock  
Production by Alice Topaloff and Alexa Wahl  
January 2017



IOWA STATE UNIVERSITY  
Extension and Outreach





# Some survey findings...

- Majority of Iowa's hort farmers have been hort farming ten years or less
  - These farmers are farming less acres: the average farm size has decreased from 13 in 2000 to 8 in 2015
  - Top five crops: tomatoes, pumpkins, cucs, green beans, winter squash (in 2000: sweet corn was tops, then tomatoes, green beans, cucs, sweet peppers)
- On average, Iowa producers use two markets to sell products. Half sell exclusively through direct-to-consumer markets.



# Survey findings, cont'd

- The top four markets by dollar value of sales were wholesale-type markets including brokers and wholesalers, contract processors and buyers, retail stores, and produce auctions
  - Beginning hort producers are more likely to sell exclusively through wholesale markets
  - Most high tunnel produce is sold at produce auctions
  - Most grapes and Aronia berries are sold to contract processors





# Survey findings, cont'd

- Hort sales doubled from 2010 to 2015: \$30 million in direct sales was reported and \$20 million in value-added commerce for a total of nearly \$50 million in economic activity
- These results can be used to estimate total Iowa sales of \$48 million and \$32 in value-added commerce for nearly \$80 million in economic activity
- While sales are increasing, producers are deriving less gross family income from hort production: 14 percent of respondents in 1989 reported 71% or more of family income from horticulture while only 4% did in 2015

2015 Iowa



# Commercial Horticulture Survey

- Final publication should come out at end of February
- The survey steering committee wants to extend a big “Thank you!” to the Iowa Farmers Market Association
- The survey will help industry groups like IFMA, Practical Farmers of Iowa, Iowa Fruit and Vegetable Growers, etc.; policymakers; legislators; growers, staff at IDALS, etc. make informed decisions down the road



January, 2017

Dear Iowa Farmers Market Association Members,

The IFMA board is pleased to announce that the Iowa Farm Bureau has created a new insurance policy specifically designed for Iowa's farmers markets.

A few months ago the board approached the Farm Bureau to create such a policy, and Farm Bureau released the attached information to the board in late January. Prior to this, Farm Bureau did not have an insurance policy tailored to the needs of Iowa's farmers markets: we hope this information and offer provides you with one more option as you consider your market's insurance needs.

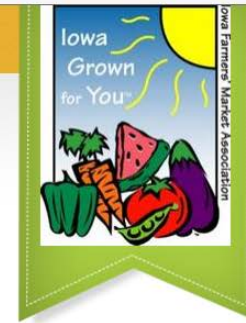
Sincerely,

*Donna Brahms*

Donna Brahms, President  
Iowa Farmers Market Association

<http://www.iafarmersmarkets.org/home.html>

<https://www.facebook.com/IowaFarmersMarketAssociation/>



## RESOURCES

[List of Iowa farmers markets](#)  
[State of Iowa Farmers Market Operating Guidelines](#)  
[IDALS Market Development Manual](#)  
[Des Moines Market Pricing Report 2015](#)  
[Regulatory Guidance for Cottage Foods Commonly Sold at Markets](#)  
[FMNP Training Sessions 2016](#)  
[FMNP Webinar Training 2016](#)  
[The New Farmers Market \(book resource for managers\)](#)  
[Online GAP training](#)  
[Contact information for Iowa legislators](#)

Send IFMA (or me) your market rules!

## SAMPLE MARKET RULES

[Lakes Area Farmers Market Rules](#)  
[Clarke County Farmers Market Rules](#)





EBT Wireless History		
Total Sales by Calendar Year		
	2015	2016
<b>EBT</b>	\$55,910	\$47,913
<b>Debit/Credit</b>	\$1,308,809	\$1,417,825
<b>Total Sales</b>	\$1,364,719	\$1,465,738
<b># of Producers</b>	129	140

**Tracy Penick**  
**Iowa Dept of Human Services**  
**515-281-4935**  
**[tpenick@dhs.state.ia.us](mailto:tpenick@dhs.state.ia.us)**



**FieldWatch**<sup>®</sup>

Communication. Cooperation. Collaboration.



**driftwatch**<sup>™</sup>  
Specialty Crop Site Registry  
by FieldWatch



**beecheck**<sup>™</sup>  
Apiary Registry by FieldWatch

# **IDALS Sensitive Crops Directory & FieldWatch, Inc. Online Registry Tools**

*a new partnership to assist in protecting  
pesticide-sensitive crops and apiaries*



**FieldWatch** is a non-profit company created to develop and operate the DriftWatch Specialty Crop Site & BeeCheck Apiary Registries. Formed in 2012 by Purdue University and interested agriculture stakeholder groups, the nonprofit is funded by state departments of ag, corporate entities, and producers.

**driftwatch** and **beecheck** are web-based mapping tools created by FieldWatch to promote communication between beekeepers, producers of specialty crops and pesticide applicators in support of ongoing stewardship activities.







# FieldWatch®

Communication. Cooperation. Collaboration.



**FieldWatch®**

Communication. Cooperation. Collaboration.

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**Bob Walters**

FieldWatch Administrator

[My Profile](#)

Select a state below to view the interactive map:

## United States

[Colorado](#)

[Delaware](#)

[Illinois](#)

[Indiana](#)

[Iowa](#)

[Kansas](#)

[Michigan](#)

[Minnesota](#)

[Missouri](#)

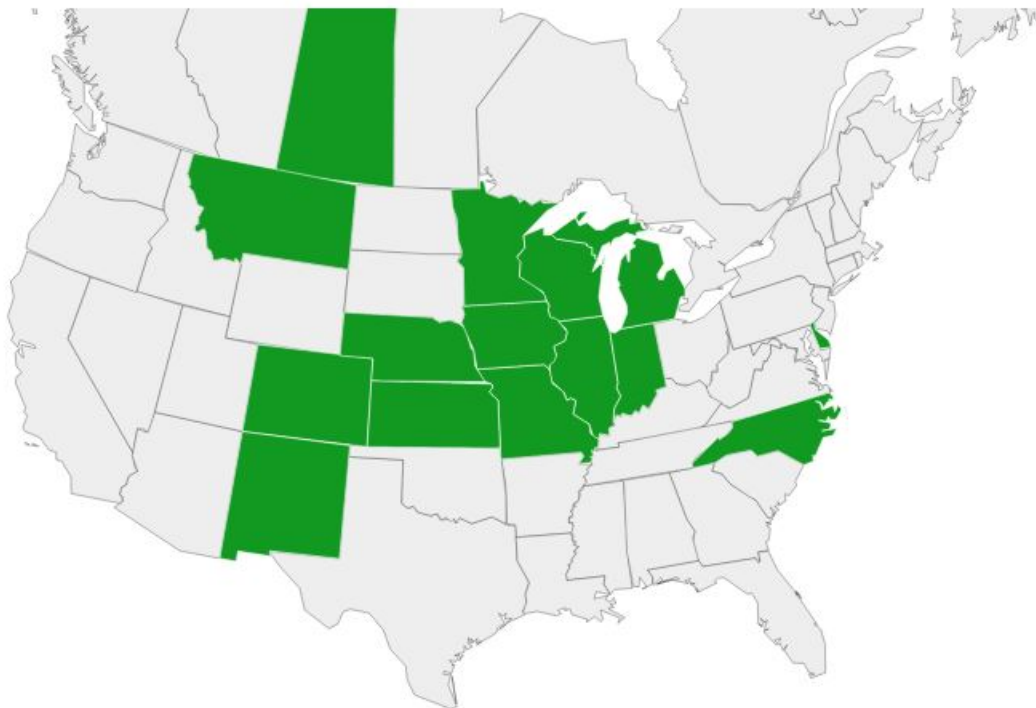
[Montana](#)

[Nebraska](#)

[New Mexico](#)

[North Carolina](#)

[Wisconsin](#)



## Canadian Provinces


[Saskatchewan](#)

FieldWatch is currently in 14 states and 1 Canadian province.



# FieldWatch Specialty Crop and Apiary Registries

## Easy-to-Use Website Mapping Tools

 DriftWatch - Home

## Welcome to FieldWatch™ 2016

*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:**

[Log In](#)

[Forgot password](#)

### Don't have a FieldWatch Account yet?



#### Map My Specialty Crops

[Click here to sign up as a commercial 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 a licensed applicator.](#)





- Producers of commercially-grown specialty crops\* can register their sites on-line and provide contact information about their operation.
- This registry tool allows producers to trace their field boundaries with easy-to-use mapping features.
- Crop producers that also have apiaries can register those hives through the driftwatch portal – they do not need to go through the beecheck registry.

\*includes commercial fruit and vegetable producers, orchards, vineyards, floriculture sites, tree nurseries, Christmas tree farms, and organic production sites

# driftwatch Specialty Crop Site Registry

*Crop Producer View – allows producers to trace field boundaries*

DriftWatch IN - Map

in.driftwatch.delmarit.com:1180/map

**driftwatch**  
Specialty Crop Site Registry  
by FieldWatch

About DriftWatch Map Resources Contact Us

Reid Sprenkel  
Registered DriftWatch Producer  
[My Profile](#) [Log Out](#)

ADD NEW SITE

Search by Address, Zip Code, etc.

**My Sensitive Sites**

- My new field Unfinished
- My Bees Submitted
- Grapes Rejected
- South Tomatoes Approved
- Grapes 2 Approved

**Crop Types** ALL STATES IN

- ☒ All
- ☒ Beehives
- ☒ Certified Organic
- ☒ Christmas Trees
- ☒ Fish Farm
- ☒ Floriculture or Greenhouse
- ☒ Fruits
- ☒ Grapes
- ☒ Greenhouse - high tunnel
- ☒ Hardwood Plantation
- ☒ Mint or Herbs
- ☒ Nursery Crops
- ☒ Organic Crops
- ☒ Organic Livestock
- ☒ Other

Google

Map data ©2013 Google Imagery ©2013, DigitalGlobe, IndianaMap Framework Data, Landsat, USDA Farm Service Agency



**beecheck** provides features such as GPS mapping, optional designation of time frames at given locations, and features viewable one-mile boundary zones around hives. beecheck is FREE to register and use for commercial and hobby beekeepers.



[About](#) [BeeCheck Map](#) [Order Signs](#) [Resources](#) [Contact Us](#)

My BeeCheck

[Sign Up Free](#)

beecheck walters

\*\*\*\*\*

[Log In](#)

## Welcome to BeeCheck™

BeeCheck is a voluntary communication tool that enables beekeepers and pesticide applicators to work together to protect apiaries through use of the BeeCheck mapping program. It is not a substitute for any state regulatory requirements.


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






# beecheck Site Registry

*Beekeeper View – allows commercial and hobby beekeepers to designate sites by clicking locations on maps*

 IOWA APIARY REGISTRY  
Apiary Registry by FieldWatch

AboutBeeCheck MapOrder SignsResourcesContact Us

ALL STATESIASTATE APIARY DISTANCE1/2 ACRE APIARY CIRCLE New SiteGo BackCancel SubmissionGo To My Location

101 1st St, Keosauqua, Ia

Paul Ovrom  
Registered Beekeeper  
My ProfileLog Out

Click once on each hive location to place a hive area.  
When finished, click 'Done Placing Hives'.

Done Placing HivesClear

Satellite



**driftwatch** IOWA SPECIALTY CROP SITE REGISTRY  
Specialty Crop Site Registry by FieldWatch

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

**SUBMIT NEW SITE** [Go To My Location](#)

**My Sites**

- IA-20048 **SUBMITTED** 01/10/2017
- Capitol Hill Hive **APPROVED** 01/10/2017

**Growing Conditions**

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

**Crop Types** ALL STATES IA

- ☒ All
- ☒ Beehives
- ☒ Berries
- ☒ Evergreen/Christmas Trees
- ☒ Fruits
- ☒ Grapes
- ☒ Non-specialty Certified Organic
- ☒ Non-specialty Transition to Certified Organic
- ☒ Nursery Crops
- ☒ Orchard (Nuts, Fruit, Trees)
- ☒ Pumpkins or Melons
- ☒ Vegetables
- ☒ Other

**Map Overlays**

- ☒ State Apiary Distance
- ☐ County Lines
- ☐ Commercial Wind Farms

**Satellite**

Google


Map data ©2017 Google Imagery  
Copyright © 2017 FieldWatch, Inc.

[Disclaimer](#) [Support](#)

Once a apiary site is approved by the data steward, a one mile boundary is propagated onto FieldWatch maps.



Prior to inclusion on the driftwatch and beechek registries, sites submitted by producers are reviewed and approved by an IDALS Data Steward.

**BEEHIVES**

**Specialty Crop Area IA-12830**  
Approximately 0.5 acres  
Conventionally Grown  
Submitted 09/27/2016  
Number of Hives for this submission: 3

**Site expires from map after 12/31/2016**

Information

Modifications

**Producer:** Elizabeth Buffington

**Company:** Iowa state university

**Email:** [bbuffing@iastate.edu](mailto:bbuffing@iastate.edu)

**Address:** 9 Insectary Building2311 Pammel Dr. Ames IA 50011-1025

**Phone:** 5152947293

**Website:** <http://www.extension.iastate.edu/psep/>

**Site Link:** <http://ia.demo.driftwatch.org/map?view=IA-12830>

**Purpose:** Commercial Managed Pollinators

**Bee Type:** Leafcutting bees (or other solitary bee)

**Location Type:** Permanent for the Season

**Registered with State:** Yes

Approve Site

Reject Site

Place On Hold

**Steward Review Note:**  
Placing this hive location on hold until I talk with Elizabeth. Re: site appears to be in the middle of a field, and I want to verify.





## Applicator Registration

Click here to sign up if you are a licensed applicator.

## Applicator User Page – Applicator View

EXPORT SITES IN MY AREA

Go To My Location

Search by Address, Zip Code, etc.

### Growing Conditions

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

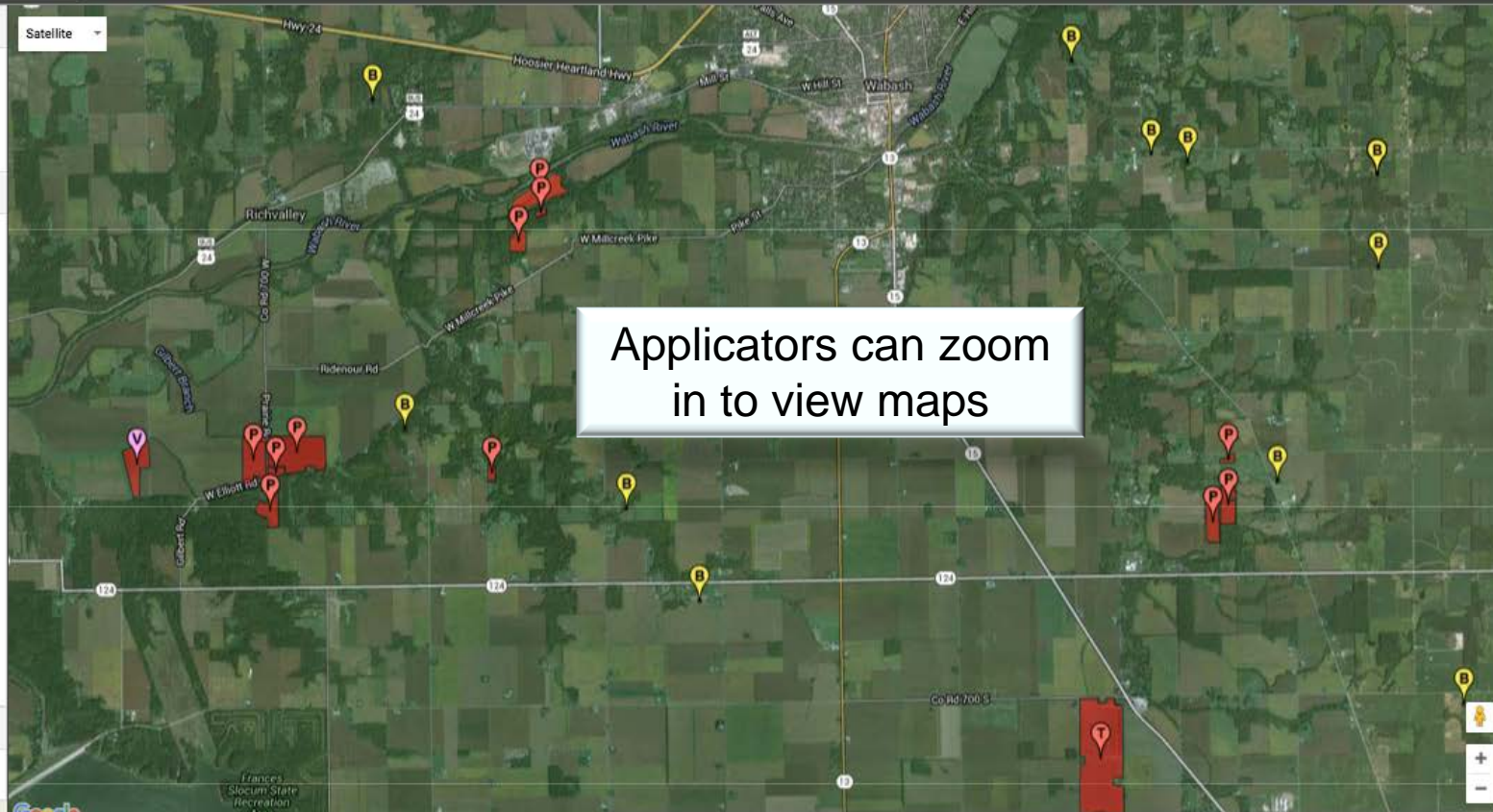
### Crop Types

ALL STATES IN

- ☒ All
- ☒ Beehives
- ☒ Christmas Trees
- ☒ Fish Farm
- ☒ Floriculture or Greenhouse
- ☒ Fruits
- ☒ Grapes
- ☒ Greenhouse - High Tunnel
- ☒ Hardwood Plantation
- ☒ Mint or Herbs
- ☒ Non-specialty Certified Organic
- ☒ Non-specialty Transition to Certified Organic
- ☒ Nursery Crops
- ☒ Pastures
- ☒ Pumpkins or Melons
- ☒ Tobacco
- ☒ Tomatoes
- ☒ Vegetables
- ☒ Other

### Map Overlays

- ☐ County Lines
- ☐ Commercial Wind Farms



Crop designations, field boundaries, and one-mile apiary radii are all features within the applicator view

# FieldWatch Specialty Crop & Apiary Registries

*Contact Info Viewable for Applicators*

The screenshot shows the FieldWatch Indiana Specialty Crop Site Registry interface. A pop-up window for 'Specialty Crop Area IN-11839' is displayed over a map. The pop-up contains the following information:

- Icon:** A bee icon labeled 'BEEHIVES'.
- Title:** Specialty Crop Area IN-11839
- Description:** Approximately 0.5 acres, Conventionally Grown, Approved 08/04/2015, Updated 08/04/2015.
- Site Expiry:** Site expires from map after 12/31/2015.
- Producer:** Michael Gillen
- Email:** mgillen8@yahoo.com
- Address:** 108 academyt st darlington IN 47940
- Phone:** 7652670788
- Purpose:** Hobbyist
- Bee Type:** Honeybee (or similar colony bee)
- Location Type:** Permanent for the Season
- Actions:** 'Report a problem with this site' (green link) and 'Close' (button).

A red arrow points from the text box below to the 'Report a problem with this site' link.

**FieldWatch INDIANA SPECIALTY CROP SITE REGISTRY**  
Communication, Cooperation, Collaboration. About FieldWatch Map Order S

**Reid Sprenke**  
Registered FieldWat  
My Profile: Alen

Search by Address, Zip Code, etc.

Go To My Location

ALL STATES IN

Conditions

Satellite

Conventionally Grown

Conventionally Grown (in states

Organic

House - High Tunnel

Food Plantation

Herb

Specialt

Specialt

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Lines

Special Wind Farms

Applicators can view contact info when viewing maps by clicking on a producer site icon



# FieldWatch®

Communication. Cooperation. Collaboration.

## Field Signs Available

*To further promote awareness and communication in the field at the site*

# BEEHIVE



## beecheck™

Apiary Registry by FieldWatch

[www.fieldwatch.com](http://www.fieldwatch.com)

# SPECIALTY CROP



## driftwatch™

Specialty Crop Site Registry by FieldWatch

[www.fieldwatch.com](http://www.fieldwatch.com)

FieldWatch®  
Communication. Cooperation. Collaboration.



# beecheck

Apiary Registry by FieldWatch

FieldWatch®  
Communication. Cooperation. Collaboration.





## IDALS “No Spray” signs will also be available for purchase



Department “No Spray” markers are durable aluminum 12” x 18” signs. Signs are available only to those that have registered on the driftwatch® or beecheck® registries. An order form can be found on the Department’s Sensitive Crops Directory homepage.





## Annual Registration

- Registered producers and beekeepers may update their information at any time during the year.
- Because registration expires December 31st of each year, producers and beekeepers that wish to remain actively registered must confirm, and edit if necessary, their registration information beginning in January of the following year.
- FieldWatch will send out up to three notices to renewing producers reminding them to renew.

# Food Safety Modernization Act or FSMA

- The law had broad bi-partisan support in Congress and was enacted on January 4, 2011
- FSMA is administered by the U.S. Food & Drug Administration (FDA)
- Since 2011, the FDA has been collecting input and formulating rules to enact this law
- The Act will be fully implemented over time

# FSMA

- Primary goal is **prevention** of food borne illnesses
  - Reduce and eliminate outbreaks of *Salmonella*, *E. Coli*, *Listeria*, etc. related illnesses and deaths
  - FDA reports about 48 million people (1 in 6 Americans) get sick, 128,000 are hospitalized, and 3,000 die each year from foodborne diseases, according to recent data from the Centers for Disease Control and Prevention.
- Last major update to the nation's food safety laws was 1938
- Most sweeping reform of FDA's food safety authority in more than 70 years

# FSMA: 7 “Foundational Rules”

- One of those seven foundational rules is the “Produce Safety Rule”
  - **The Produce Safety Rule** “establishes science-based standards for growing, harvesting, packing and holding produce on domestic and foreign farms.” Final rule issued: Nov. 13, 2015.
- **How does your farm fall under the FSMA Produce Safety Rule?**
  - Exempt
  - Modified requirements/qualified exemption
  - Full compliance



**Does your farm grow, harvest, pack or hold produce?**

Sections 112.1 and 112.3(c)  
We define "produce" in section 112.3(c).

NO



**Your farm is NOT covered by this rule.**

YES

**Is your produce for personal/on-farm consumption?**

Section 112.2(a)(2)

YES



**This product is NOT covered by this rule.**

NO

**Does your farm on average (in the previous three years) have \$25k or less in annual produce sales?**

Section 112.4(a)

YES



**Your farm is NOT covered by this rule.**

NO

**Is your produce one of the commodities that FDA has identified as rarely consumed raw?**

Section 112.2(a)(1)

If you grow, harvest, pack or hold more than one produce commodity, you must ask this question separately for each one to determine whether that particular produce commodity is covered by this rule.

YES



**This product is NOT covered by this rule.**

NO

**Is your produce intended for commercial processing that adequately reduces pathogens (for example, commercial processing with a "kill step")?**

Section 112.2(b)

YES



**This produce is eligible for exemption from the rule,**

provided you make certain statements in documents accompanying the produce, obtain certain written assurances, and keep certain documentation, as per Sections 112.2(b)(2) through (b)(6).

NO

**Is your produce one of the commodities that FDA has identified as rarely consumed raw?**

Section 112.2(a)(1)

If you grow, harvest, pack or hold more than one produce commodity, you must ask this question separately for each one to determine whether that particular produce commodity is covered by this rule.

YES



**This product is NOT covered by this rule.**

\*Rarely consumed raw produce commodities include asparagus; black beans, great Northern beans, kidney beans, lima beans, navy beans, and pinto beans; garden beets (roots and tops) and sugar beets; cashews; sour cherries; chickpeas; cocoa beans; coffee beans; collards; sweet corn; cranberries; dates; dill (seeds and weed); eggplants; figs; horseradish; hazelnuts; lentils; okra; peanuts; pecans; peppermint; potatoes; pumpkins; winter squash; sweet potatoes; and water chestnuts. Also food grains, including barley, dent- or flint-corn, sorghum, oats, rice, rye, wheat, amaranth, quinoa, buckwheat, and oilseeds (e.g. cotton seed, flax seed, rapeseed, soybean, and sunflower seed).

**Does your farm on average (in the previous three years) as per Section 112.5:**

**have < \$500k annual food sales,**

**AND**

**a majority of the food (by value) sold directly to “qualified end-users”?**

Section 112.3(c)

“Qualified End-User” as defined in Section 112.3(c) means:

- the consumer of the food OR
- a restaurant or retail food establishment that is located—
  - (i) in the same State or the same Indian reservation as the farm that produced the food; OR
  - (ii) not more than 275 miles from such farm.

(The term “consumer” does not include a business.)

YES



**Your farm is eligible for a qualified exemption from this rule,**

which means that you must comply with certain modified requirements and keep certain documentation, as per Sections 112.6 and 112.7.

What do you need to do if you fall under the qualified exemptions?

Primarily...

- 1) Labeling
- 2) Records

# Qualified Exempt: Labeling

- Name and complete business address of the farm where produce was grown must be “prominently and conspicuously” displayed on a label, poster, sign, placard or documents delivered with the produce
- Purchased produce sold along side of the produce you grow must also display the complete business address of that farm



# Labeling Requirement Dates

- Farms grossing no more than \$250,000 in produce sales annually: the general compliance date is four years from the effective date of the rule (so, four years from January 26, 2016): **January 26, 2020**
- Farms grossing no more than \$500,000 in produce sales annually (based on a rolling three-year average) but more than \$250,000: the general compliance date is three years from the effective date of the rule (so, three years from January 26, 2016): **January 26, 2019**

# Qualified Exempt: Records

- Must keep adequate records necessary to demonstrate the farm satisfies the criteria for the qualified exempt status:
  - records that show the farm sales are below the \$500K sales threshold (a detailed Schedule F on tax forms could suffice)
  - Records showing the majority of your sales go to “qualified end users” (retail outlets, direct to consumer, restaurants in Iowa or within 275 miles)

**Does your farm on average (in the previous three years) as per Section 112.5:**

**have < \$500k annual food sales,**

**AND**

**a majority of the food (by value) sold directly to “qualified end-users”?**

Section 112.3(c)

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  - (i) in the same State or the same Indian reservation as the farm that produced the food; OR
  - (ii) not more than 275 miles from such farm.

(The term “consumer” does not include a business.)

YES



**Your farm is eligible for a qualified exemption from this rule,**

which means that you must comply with certain modified requirements and keep certain documentation, as per Sections 112.6 and 112.7.

NO

**YOU ARE COVERED  
BY THIS RULE.**

**Fall under full  
compliance? Go to [http://  
www.fda.gov/Food/  
GuidanceRegulation/  
FSMA/ucm334114.htm](http://www.fda.gov/Food/GuidanceRegulation/FSMA/ucm334114.htm)**



# IDALS & ISU Extension have partnered on FSMA

- All growers are encouraged to take steps towards GAP certification and FSMA Produce Safety Rule compliance
- ISU Extension has a team to aid all growers in GAP training and Produce Safety Rule assistance
- Angela Shaw is the ISU team lead
  - 515-294-0868
  - [angelaml@iastate.edu](mailto:angelaml@iastate.edu)
  - [safeproduce.cals.iastate.edu](http://safeproduce.cals.iastate.edu)

# Postcards on the handout table

Map of Iowa showing winter weather data for 2017/2018 and 2018/2019 seasons. The map is color-coded by county, with yellow representing 2017/2018 Winter and green representing 2018/2019 Winter. Large numbers indicate the number of days with significant weather events.

**2017/2018 Winter (Yellow):**

- Sioux: 5
- Woodbury: 5
- Monona: 12
- Harrison: 17
- Mills: 17
- Fremont: 17
- Page: 17
- Union: 18
- Ringgold: 18
- Decatur: 18
- Wayne: 19
- Appanoose: 19
- Davis: 19
- Van Buren: 19
- Lee: 20

**2018/2019 Winter (Green):**

- O'Brien: 2
- Clay: 2
- Palo Alto: 2
- Hancock: 2
- Cerro Gordo: 3
- Floyd: 3
- Chickasaw: 4
- Winneshiek: 4
- Allamakee: 4
- Butler: 9
- Bremer: 9
- Black Hawk: 9
- Benton: 10
- Linn: 10
- Jones: 10
- Jackson: 11
- Clinton: 16
- Scott: 16

■ **2018/2019 Winter**  
Regions 2, 6, 8, 9, 12, 14, 15, 16, 18, 20

**Safeproduce.cals.iastate.edu**

# Safeproduce.cals.iastate.edu

## Who should attend?

Vegetable and fruit growers. This class meets the FSMA Produce Safety Rule training requirements.

## What will attendees learn?

The all-day class will explore:

- Introduction to produce safety
- Worker health and hygiene
- Soil amendments
- Wildlife, domesticated animals, and land use
- Agricultural water
- Postharvest handling and sanitation
- How to develop a farm food safety plan

**IOWA STATE UNIVERSITY**  
Extension and Outreach

Iowa State University Extension and Outreach does not discriminate on the basis of age, disability, ethnicity, sex, sexual orientation, socioeconomic status, or status as a U.S. veteran. (Not all prohibited bases apply to all programs.) Inquiries regarding non-discrimination policies may be directed to [angela@iastate.edu](mailto:angela@iastate.edu).

## What does this cost?

The cost to attend the training is \$20 and includes the training manual, certificate of completion, and lunch.

## Need more help?

The Food Safety team is available for On-farm Readiness Review and Preventive Controls Human Food Compliance Checks, free upon request through our website.

For more information, contact Angela Shaw (515) 294-0868, [angelaml@iastate.edu](mailto:angelaml@iastate.edu) or visit our website at [safeproduce.cals.iastate.edu](http://safeproduce.cals.iastate.edu).

FS 0013 January 2017

**Questions on Food Safety? IDALS has partnered with ISU Extension to provide outreach on compliance.**



- Thank you!

- Contact info:

Paul Ovrom

State Horticulturist

[paul.ovrom@iowaagriculture.gov](mailto:paul.ovrom@iowaagriculture.gov)

515-242-6239



- Sensitive Crop Directory
- Farmers Market topics
- FSMA Produce Safety Rule
- Hort Food Crop Survey
- Outreach & Promotion
- Questions on Hort topics, etc., etc. – we're here to help!