

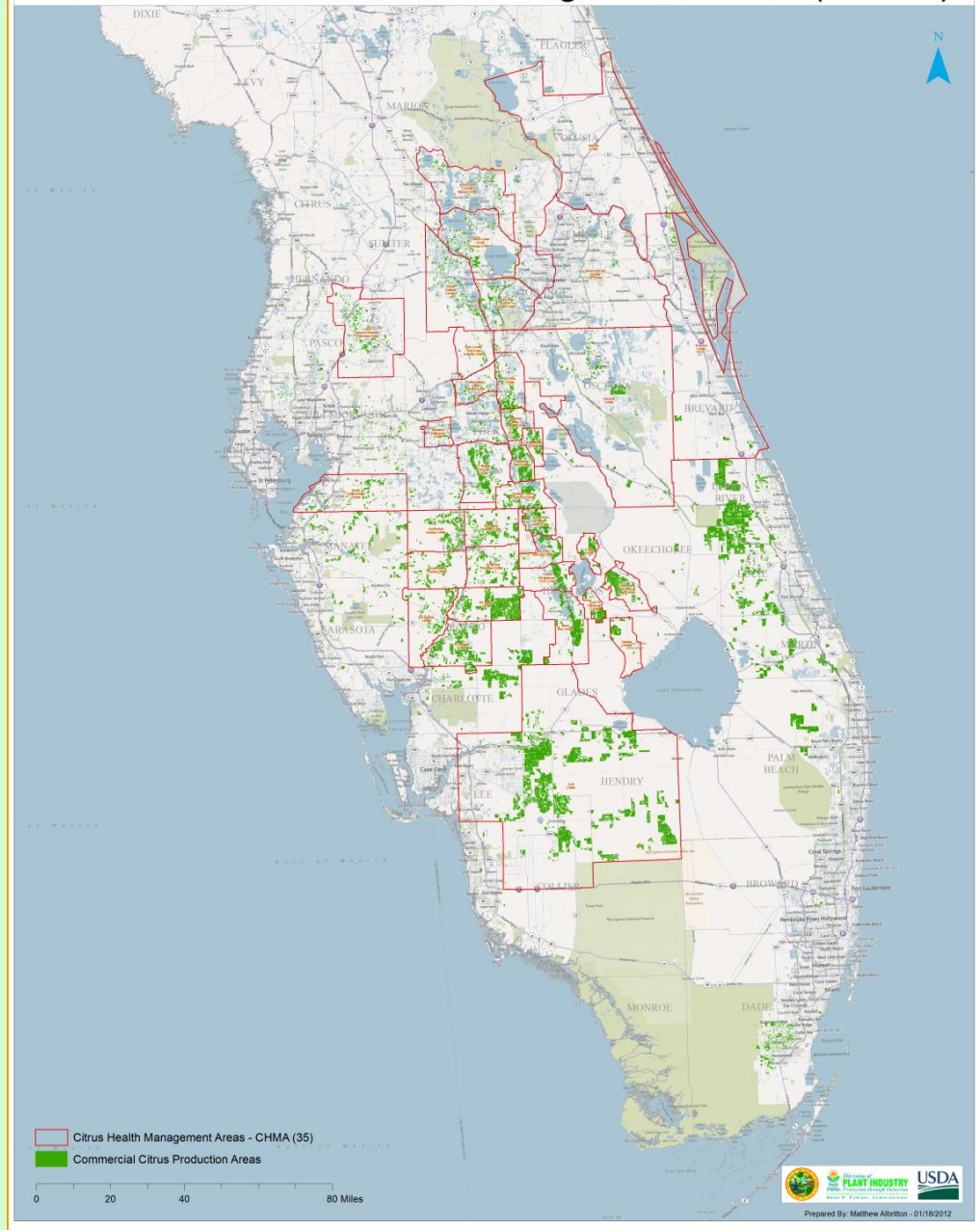
# ***2012 FLORIDA CITRUS GROWERS' INSTITUTE Avon Park, Florida "CHMA"***



## Current Status

- Began survey 8/2011
- 35 CHMAs
- 434,000 Acres in CHMAs
- Counting 6,000 blocks on a 3 week cycle
- 50 Counts/block
- 10 Trees at 4 corners of block and 1 in center
- 11 Cycles Completed

## Statewide Citrus Health Management Areas (CHMA)





## UF/IFAS Extension Solutions for Your Life



- ▶ [Citrus Research and Education Center](#)
- ▶ [Citrus Extension Home](#)
- ▶ [Entomology/Nematology](#)
- ▶ [Plant Pathology](#)
- ▶ [Horticulture](#)
- ▶ [Economics](#)
- ▶ [Food Science](#)
- ▶ [Extension Publications](#)
- ▶ [Citrus Extension Agents](#)
- ▶ [Industry Links](#)

### Citrus Health Management Areas (CHMA's)

Creation of Citrus Health Management Areas (CHMAs) has been identified as a high priority for Florida citrus growers to slow the spread of citrus greening disease and preserve the current Florida commercial citrus acreage. The purpose of CHMAs is to encourage neighboring citrus growers to work together to combat citrus greening, particularly through the coordination of psyllid control efforts. The information found in the links below is provided to aid Florida citrus growers in establishing CHMAs in their areas.

[CHMA overview](#)

[CHMA toolkit](#)

[Contact information](#)

[Active CHMA Websites](#)

### Related Sites

[Citrus Research and Development Foundation, Inc.](#)

### Resources

[Florida Citrus Pest Management Guide](#)

[Citrus Greening Disease](#)

[Citrus Black Spot](#)

[Citrus Health Management Areas \(CHMA'S\)](#)

[Citrus Canker](#)

[Asian Citrus Psyllid](#)

[Pesticide Information](#)

# UF/IFAS Extension

Solutions for Your Life



[Home](#) [About Extension](#) [Local Offices](#) [FAQ](#) [Success Stories](#) [Jobs](#) [Weather](#)

GO

- ▶ [Citrus Research and Education Center](#)
- ▶ [Citrus Extension Home](#)
- ▶ [Entomology/Nematology](#)
- ▶ [Plant Pathology](#)
- ▶ [Horticulture](#)
- ▶ [Economics](#)
- ▶ [Food Science](#)
- ▶ [Extension Publications](#)
- ▶ [Citrus Extension Agents](#)
- ▶ [Industry Links](#)

## Citrus Health Management Areas (CHMAs)

### Active CHMA Websites



**Volusia, Seminole, Lake, Orange, Brevard, Osceola and Marion counties**

[Seminole / East Orange CHMA](#)

[Volusia CHMA](#)

[South Lake / West Orange CHMA](#)

[Central Lake / North Orange CHMA](#)

[Green Swamp CHMA](#)

[North Lake / South Marion CHMA](#)

[Brevard CHMA](#)

[Osceola CHMA](#)



**Polk, Hillsborough counties**

[South Hillsborough CHMA](#)

[Auburndale / Lake Alfred CHMA](#)

### Related Sites

[Citrus Health Management Areas](#)

### Resources

[Florida Citrus Pest Management Guide](#)

[Citrus Greening Disease](#)

[Citrus Black Spot](#)

[Citrus Health Management Areas \(CHMAs\)](#)

[Citrus Canker](#)

[Asian Citrus Psyllid](#)

[Pesticide Information](#)

[< CHMA Home](#)

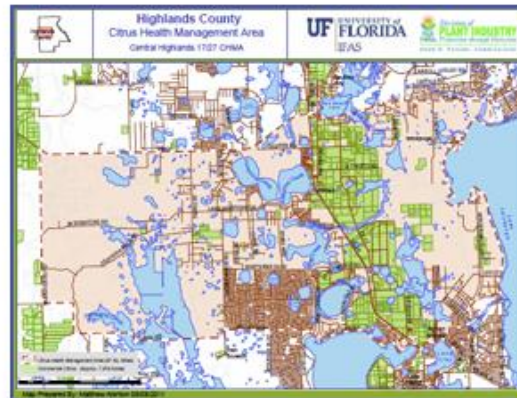




- ▶ Citrus Research and Education Center
- ▶ Citrus Extension Home
- ▶ Entomology/Nematology
- ▶ Plant Pathology
- ▶ Horticulture
- ▶ Economics
- ▶ Food Science
- ▶ Extension Publications
- ▶ Citrus Extension Agents
- ▶ Industry Links

## Citrus Health Management Areas (CHMAs)

### Central Highlands 17/27 CHMA



(click to enlarge map)

- Planned pesticide applications
- Report of acres treated
- Psyllid scouting reports
- Grower forum - (online CHMA discussion board for registered growers)
- Join the CHMA – (to receive automated emails notices of new information updates)

### Central Highlands 17/27 CHMA

#### CHMA Contacts

Area Captain  
John Gose – Lykes  
(863) 465-4127 ext. 24  
John.Gose@lykes.com

Raymond D. Royce – HCCGA  
(863) 385-8091  
rroyce@hccga.com

Tim Hurner – UF IFAS Citrus Ext. Agent  
(863) 402-7150  
plowboy@ufl.edu

#### Latest News

11/8/11 – Central Highlands 17/27 CHMA Plan – 2011/2012

11/8/11 – The first scheduled dormant spray scheduled for Nov 9-22

10/18/11 – Next CHMA planning meeting scheduled for 9:30AM Nov. 1 at Lykes

5/3/11 – Latest psyllid scouting reports for Highlands county now posted

3/14/11 – Next coordinated spray scheduled for Mar 28-Apr 11

## Central Highlands 17/27 CHMA: 2010-11 Coordinated Psyllid Spray Plan

Month	Application Window Targeted <sup>1</sup>	Chemical Class <sup>2</sup>	Comments
November / December	Nov 8-19	Organophosphate	<u>Possible OP product options:</u> chlorpyrifos (Lorsban), dimethoate, malathion, phosmet (Imidan)
January / February	Jan 31-Feb 14	Pyrethroid	<u>Pyrethroid product options:</u> fenpropathrin (Danitol), zeta-cypermethrin (Mustang)
March (bloom period)			
April	Mar 28-Apr 11 (post-bloom)	Organophosphate	<u>Possible OP product options:</u> chlorpyrifos (Lorsban), dimethoate, malathion, phosmet (Imidan)
May	Depending on pest pressure	Various options	Growers are encouraged to add psyllid control products to their planned summer oil or nutritional spray programs. Make sure to not apply the same chemical class back-to-back keeping in mind the products planned to be used during the coordinated sprays in April and August/September windows.
June	1 <sup>st</sup> summer oil spray	Various options	
July	2 <sup>nd</sup> summer oil spray	Various options	
August / September	Prior to fall flush (DATES TBA)	Pyrethroid	<u>Pyrethroid product options:</u> fenpropathrin (Danitol), zeta-cypermethrin (Mustang)
October	Depending on pest pressure	Various options	Do not use pyrethroid since previously used. Do not use an organophosphate which is planned for next coordinated spray in Nov.

<sup>1</sup> Four Coordinated sprays planned for 2010-2011 are highlighted in yellow. All growers in the Central Highlands 17/27 CHMA are encouraged to treat their groves in this 2 week window.

<sup>2</sup> In order to prevent pesticide resistance, growers are encouraged to use a product from the specified chemical class.

# UF/IFAS Extension Solutions for Your Life



Home About Extension Local Offices FAQ Success Stories Jobs Weather

Search

GO

- ▶ Citrus Research and Education Center
- ▶ Citrus Extension Home
- ▶ Entomology/Nematology
- ▶ Plant Pathology →
- ▶ Horticulture
- ▶ Economics
- ▶ Food Science
- ▶ Alternative Crops
- ▶ Extension Publications
- ▶ Citrus Extension Agents
- ▶ Industry Links →

## Citrus Health Management Areas (CHMAs)

### Statewide ACP Monitoring Reports

- ACP Monitoring Status Map
- ACP Scouting Summary Spreadsheet
- ACP Block Specific Report Spreadsheet

### Central Highlands 17/27 CHMA Psyllid Scouting Reports

- Latest ACP Scouting Report Map

### Previous ACP Scouting Report Maps

Select a Date ▼

North Highlands County Scouting Report - (Feb-Apr 2011)

South Highlands County Scouting Report - (Mar-Apr 2011)

## Central Highlands 17/27 CHMA CHMA Contacts

Area Captain  
John Gose – Lykes  
(863) 465-4127 ext. 24  
John.Gose@lykes.com

Raymond D. Royce – HCCGA  
(863) 385-8091  
rroyce@hccga.com

Tim Hurner – UF IFAS Citrus Ext.  
Agent  
(863) 402-7150  
plowboy@ufl.edu

## Latest News

12/19/11 The second scheduled dormant spray for our area will be during the time frame of January 3, 2012 through January 17, 2012.

11/8/11 – Central Highlands 17/27 CHMA Plan – 2011/2012

11/8/11 –The first scheduled dormant spray scheduled for Nov







# UF/IFAS Extension Solutions for Your Life



[Home](#) [About Extension](#) [Local Offices](#) [FAQ](#) [Success Stories](#) [Jobs](#) [Weather](#)

Search  [GO](#)

- ▶ Citrus Research and Education Center
- ▶ Citrus Extension Home
- ▶ Entomology/Nematology
- ▶ Plant Pathology
- ▶ Horticulture 
- ▶ Economics
- ▶ Food Science
- ▶ Extension Publications
- ▶ Citrus Extension Agents
- ▶ Industry Links

## Citrus Health Management Areas (CHMAs)

### Statewide ACP Monitoring Reports

- ACP Monitoring Status Map
- ACP Scouting Summary Spreadsheet
- ACP Block Specific Report Spreadsheet

### Volusia CHMA Psyllid Scouting Reports

- Latest ACP Scouting Report Map

### Previous ACP Scouting Report Maps

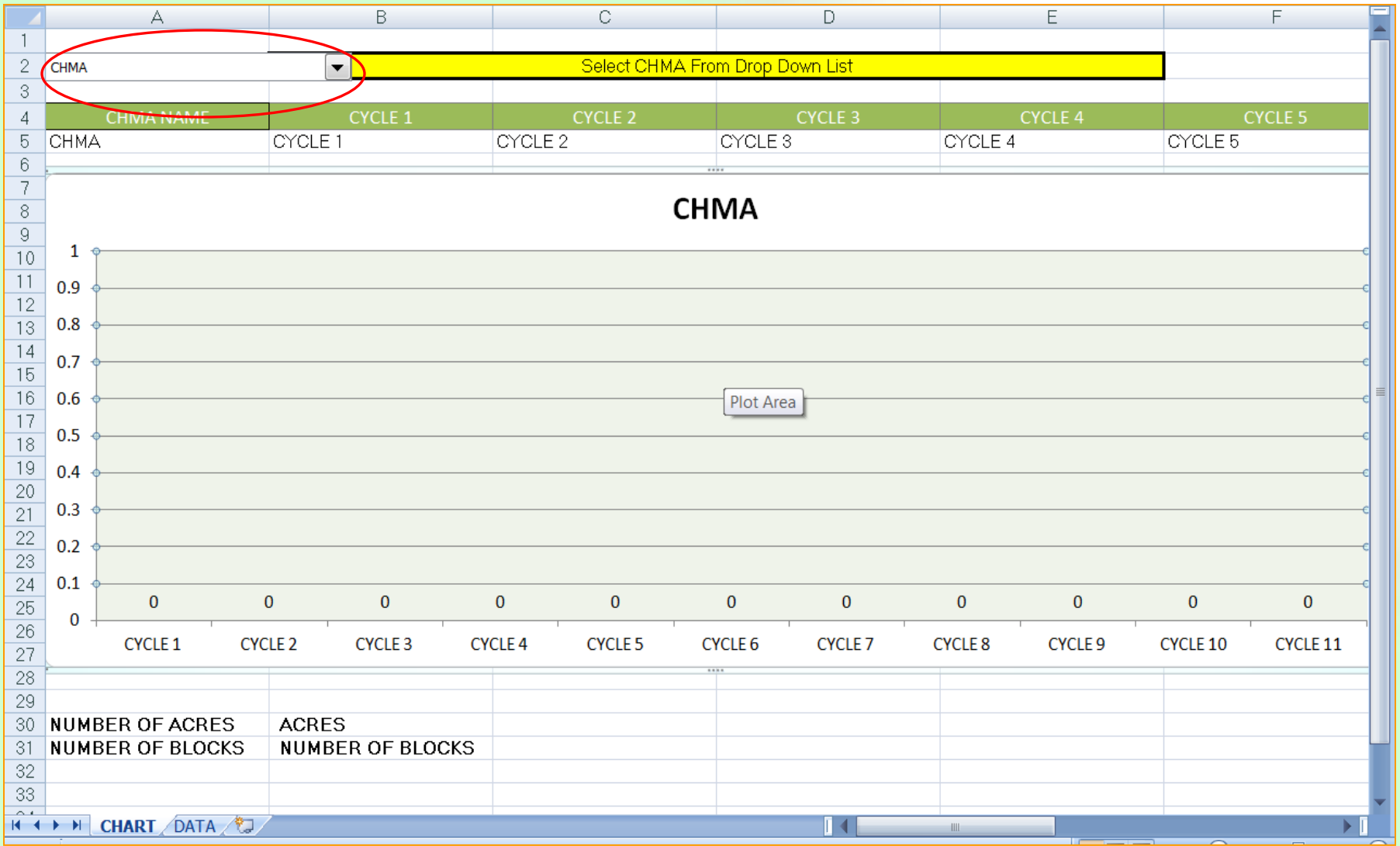
Select a Date

## Volusia CHMA Contacts

Gary England – UF IFAS  
Citrus Ext. Agent  
(352) 343-4101  
gke@ufl.edu

## Latest News

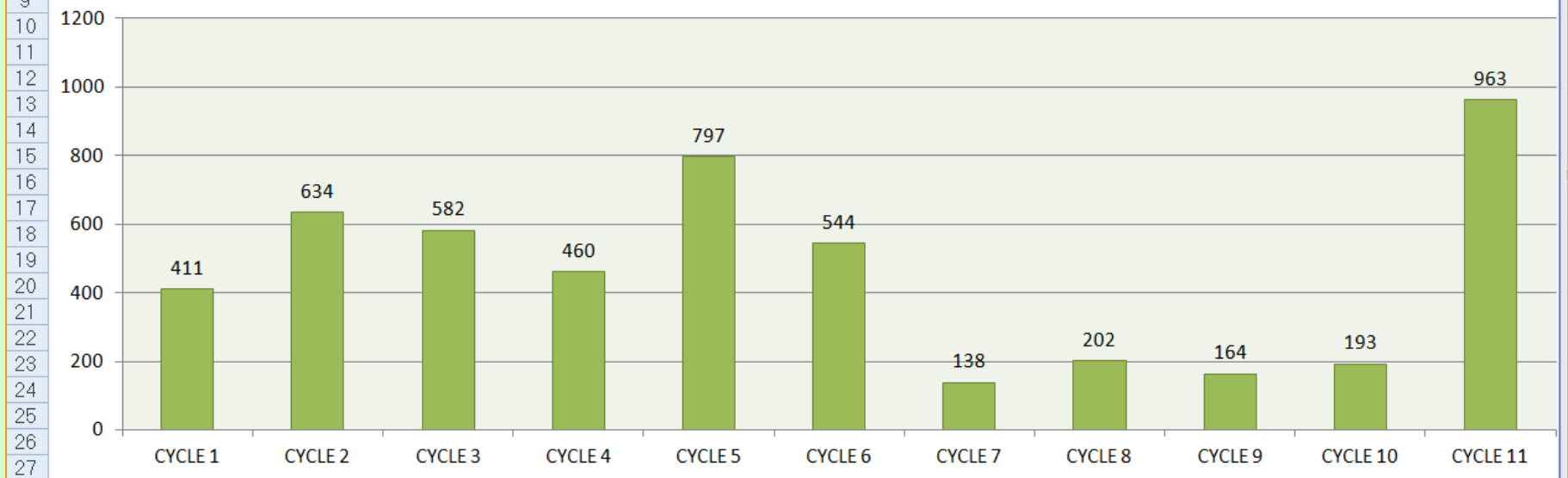
[< CHMA Home](#)





CHMA NAME	CYCLE 1	CYCLE 2	CYCLE 3	CYCLE 4	CYCLE 5
Central Highlands 17/27 CHM	411	634	582	460	797

**Central Highlands 17/27 CHMA**



<b>NUMBER OF ACRES</b>	1.953
<b>NUMBER OF BLOCKS</b>	88

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	CHMA	CYCLE 1	CYCLE 2	CYCLE 3	CYCLE 4	CYCLE 5	CYCLE 6	CYCLE 7	CYCLE 8	CYCLE 9	CYCLE 10	CYCLE 11	ACRES
2	Auburndale / Lake Alfred CHMA	1237	404	906	632	408	169	261	138	336	233	191	459.4
3	Avon Park / Lake Letta CHMA	814	388	314	407	391	142	166	170	98	59	519	2296.6
4	Babson Park CHMA	1802	915	1264	956	376	563	420	209	123	181	409	1763.4
5	Bairs Den CHMA	1377	1252	1070	784	583	714	329	324	155	343	774	4641.3
6	Bereah / South Frostproof CHMA	120	171	326	195	166	104	100	60	46	61	25	1263.4
7	Brevard CHMA	189	192	231	225	159	81	113	88	83	63	77	1958.2
8	Central Highlands 17/27 CHMA	411	634	582	460	797	544	138	202	164	193	963	1952.5
9	Central Lake / North Orange CHMA	1258	1563	1110	1130	1339	1556	1455	1307	1409	1332	990	2338.9
10	East 70 Flatwoods CHMA	667	282	801	356	183	99	54	25	66	11	224	397.6
11	East Pasco/Hernando Counties CHMA	1622	1323	1304	1548	1599	1232	1002	1372	1595	1177	1047	4108.2
12	Ft. Meade / Alturas CHMA	1027	1631	860	848	1104	385	498	425	462	366	889	2545.3
13	Glades CHMA	242	239	51	31	142	41	138		124	2	71	687.2
14	Green Swamp CHMA	446	819	543	405	1221	551	435	331	681	191	412	2499.4
15	Gulf CHMA	1673	1844	1240	1479	1525	1475	1023	817	550	368	969	31461
16	Hesperides CHMA	2157	285	805	706	614	449	407	257	210	88	161	1120.3
17	Kissimmee River Basin CHMA	503	259	188	8889	308	229	129	107	67	109	171	4188.5
18	Lake Letta / Sebring CHMA	176	85	73	84	85	52	15	30	19	1	44	1407.4
19	Lakeland Highlands CHMA	177	204	42	64	37	21	134	62	3	1	63	84.6
20	Lorida CHMA	329	400	186	91	332	139	157	9	10	25	367	1622.6
21	Mountain Lake / Dundee CHMA	1368	1284	854	804	609	494	434	272	250	116	507	2387
22	NE Desoto CHMA	46	85	234	45	59	14	25	53	25	7	108	3410.1
23	NE Polk CHMA	2565	1393	1763	1356	879	1069	511	313	752	239	517	1659.9
24	North Lake / South Marion CHMA	2583	1660	1637	1083	1351	942	1465	617	1156	1181	489	2320.3
25	Northeast Hardee CHMA	769	625	999	598	442	178	282	225	239	221	654	1999.3
26	Northwest Hardee CHMA	2668	1437	1903	1132	708	933	801	778	905	632	1441	1547.5



# UF/IFAS Extension

Solutions for Your Life



[Home](#)
[About Extension](#)
[Local Offices](#)
[FAQ](#)
[Success Stories](#)
[Jobs](#)
[Weather](#)

- ▶ Citrus Research and Education Center
- ▶ Citrus Extension Home
- ▶ Entomology/Nematology
- ▶ Plant Pathology
- ▶ Horticulture
- ▶ Economics
- ▶ Food Science
- ▶ Extension Publications
- ▶ Citrus Extension Agents
- ▶ Industry Links

## Citrus Health Management Areas (CHMAs)

### Statewide ACP Monitoring Reports

- ACP Monitoring Status Map
- ACP Scouting Summary Spreadsheet
- ▶ ACP Block Specific Report Spreadsheet

### Volusia CHMA Psyllid Scouting Reports

- Latest ACP Scouting Report Map

### Previous ACP Scouting Report Maps

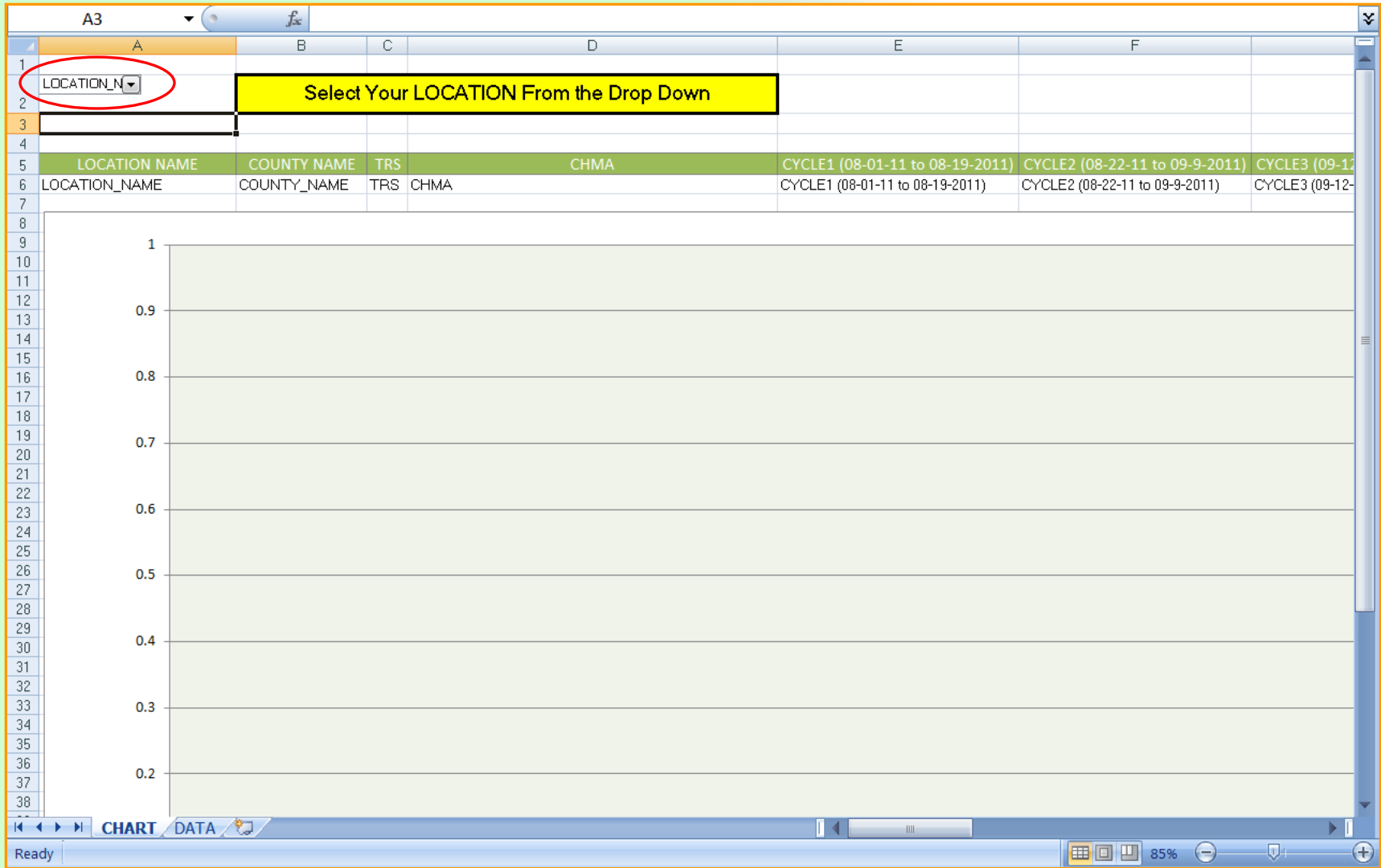
Select a Date

## Volusia CHMA Contacts

Gary England – UF IFAS  
 Citrus Ext. Agent  
 (352) 343-4101  
 gke@ufl.edu

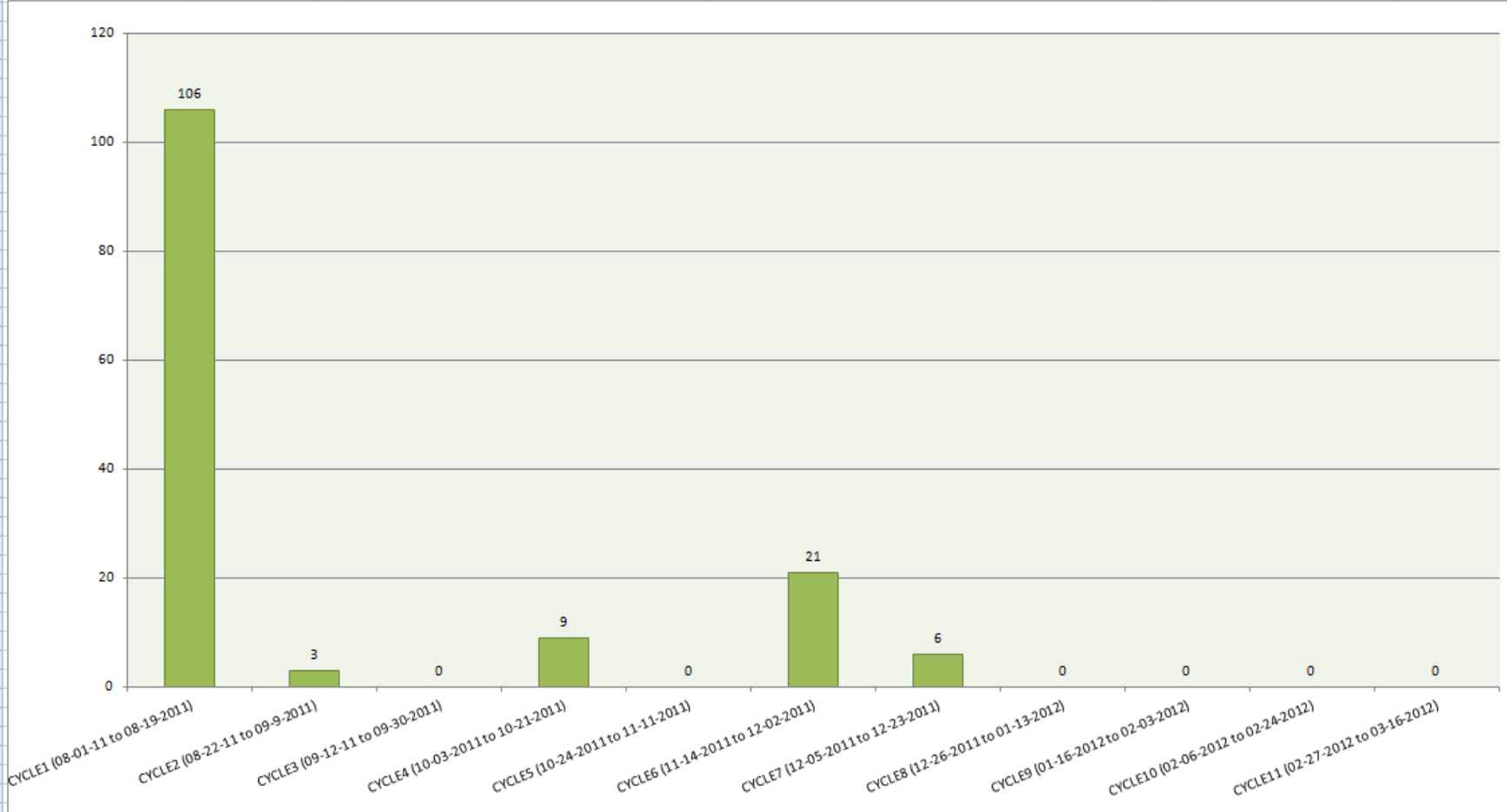
## Latest News

< CHMA Home





	A	B	C	D	E	F	G	H
3								
4								
5	LOCATION NAME	COUNTY NAME	TRS	CHMA	CYCLE1 (08-01-11 to 08-19-2011)	CYCLE2 (08-22-11 to 09-9-2011)	CYCLE3 (09-12-11 to 09-30-2011)	CYCLE4 (10-03-2011 to 10-11-2011)
6	3166	HIGHLANDS	35S2	Central Highlands 17I27 CHMA	106	3	0	
7								



	A	B	C	D	E	F	G	H	I	J	K
1	LOCATION_NAME	COUNTY_NAME	TRS	CHMA	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6	Cycle 7
2	3115	HIGHLANDS	35S29E22	Central Highlands 17/27 CHMA	0	0	0	0	0	0	0
3	3126	HIGHLANDS	35S29E22	Central Highlands 17/27 CHMA	0	4	0	0	0	0	0
4	3134	HIGHLANDS	35S29E22	Central Highlands 17/27 CHMA	0	1	0	0	2	3	1
5	3146	HIGHLANDS	35S29E22	Central Highlands 17/27 CHMA	0	1	3	0	0	0	0
6	3158	HIGHLANDS	35S29E23	Central Highlands 17/27 CHMA	0	0	0	0	0	0	2
7	3166	HIGHLANDS	35S29E23	Central Highlands 17/27 CHMA	106	3	0	9	0	21	6
8	3167	HIGHLANDS	35S29E23	Central Highlands 17/27 CHMA	0	0	0	0	1	0	1
9	3168	HIGHLANDS	35S29E23	Central Highlands 17/27 CHMA	2	0	2	0	0	0	0
10	3177	HIGHLANDS	35S29E24	Central Highlands 17/27 CHMA	27	7	16	3	11	0	9
11	3182	HIGHLANDS	35S29E25	Central Highlands 17/27 CHMA	#N/A	0	4	1	#N/A	1	0
12	3183	HIGHLANDS	35S29E25	Central Highlands 17/27 CHMA	0	0	0	0	0	0	0
13	3185	HIGHLANDS	35S29E25	Central Highlands 17/27 CHMA	#N/A	0	2	0	#N/A	0	0
14	3187	HIGHLANDS	35S29E25	Central Highlands 17/27 CHMA	1	0	0	0	0	0	0
15	3189	HIGHLANDS	35S29E25	Central Highlands 17/27 CHMA	1	0	0	0	0	0	0
16	3190	HIGHLANDS	35S29E26	Central Highlands 17/27 CHMA	0	7	#N/A	0	0	0	0
17	3191	HIGHLANDS	35S29E26	Central Highlands 17/27 CHMA	0	11	2	3	0	0	0
18	3202	HIGHLANDS	35S29E26	Central Highlands 17/27 CHMA	0	3	#N/A	0	0	0	0
19	3203	HIGHLANDS	35S29E26	Central Highlands 17/27 CHMA	0	0	#N/A	0	0	0	0
20	3205	HIGHLANDS	35S29E26	Central Highlands 17/27 CHMA	0	0	0	0	#N/A	0	0
21	3206	HIGHLANDS	35S29E26	Central Highlands 17/27 CHMA	4	0	0	0	0	0	0
22	3224	HIGHLANDS	35S29E27	Central Highlands 17/27 CHMA	0	0	0	0	0	0	0
23	3232	HIGHLANDS	35S29E27	Central Highlands 17/27 CHMA	0	0	2	0	0	0	0

CHART

DATA

# UF/IFAS Extension

Solutions for Your Life



[Home](#) [About Extension](#) [Local Offices](#) [FAQ](#) [Success Stories](#) [Jobs](#) [Weather](#)

Search  [GO](#)

- ▶ [Citrus Research and Education Center](#)
- ▶ [Citrus Extension Home](#)
- ▶ [Entomology/Nematology](#)
- ▶ [Plant Pathology](#)
- ▶ [Horticulture](#)
- ▶ [Economics](#)
- ▶ [Food Science](#)
- ▶ [Extension Publications](#)
- ▶ [Citrus Extension Agents](#) 
- ▶ [Industry Links](#)

## Citrus Health Management Areas (CHMAs)

### Statewide ACP Monitoring Reports

- [ACP Monitoring Status Map](#)
- [ACP Scouting Summary Spreadsheet](#)
- [ACP Block Specific Report Spreadsheet](#)

### Volusia CHMA Psyllid Scouting Reports

- [Latest ACP Scouting Report Map](#)

### Previous ACP Scouting Report Maps

Select a Date

### Volusia CHMA Contacts

Gary England – UF IFAS  
Citrus Ext. Agent  
(352) 343-4101  
gke@ufl.edu

### Latest News

[< CHMA Home](#)





## HIGHLANDS COUNTY Citrus Health Management Area Central Highlands 17/27 CHMA

**UF** UNIVERSITY of  
**FLORIDA**  
IFAS

**Fresh Florida. Protection through Detection**  
Division of **PLANT INDUSTRY**  
Florida Department of Agriculture and Consumer Services  
Adam H. Putnam, Commissioner



Map Prepared By: Matthew Albritton - 12/13/2011

\* Blocks Listed as #N/A have not had two consecutive surveys and therefore increase/decrease could not be calculated.

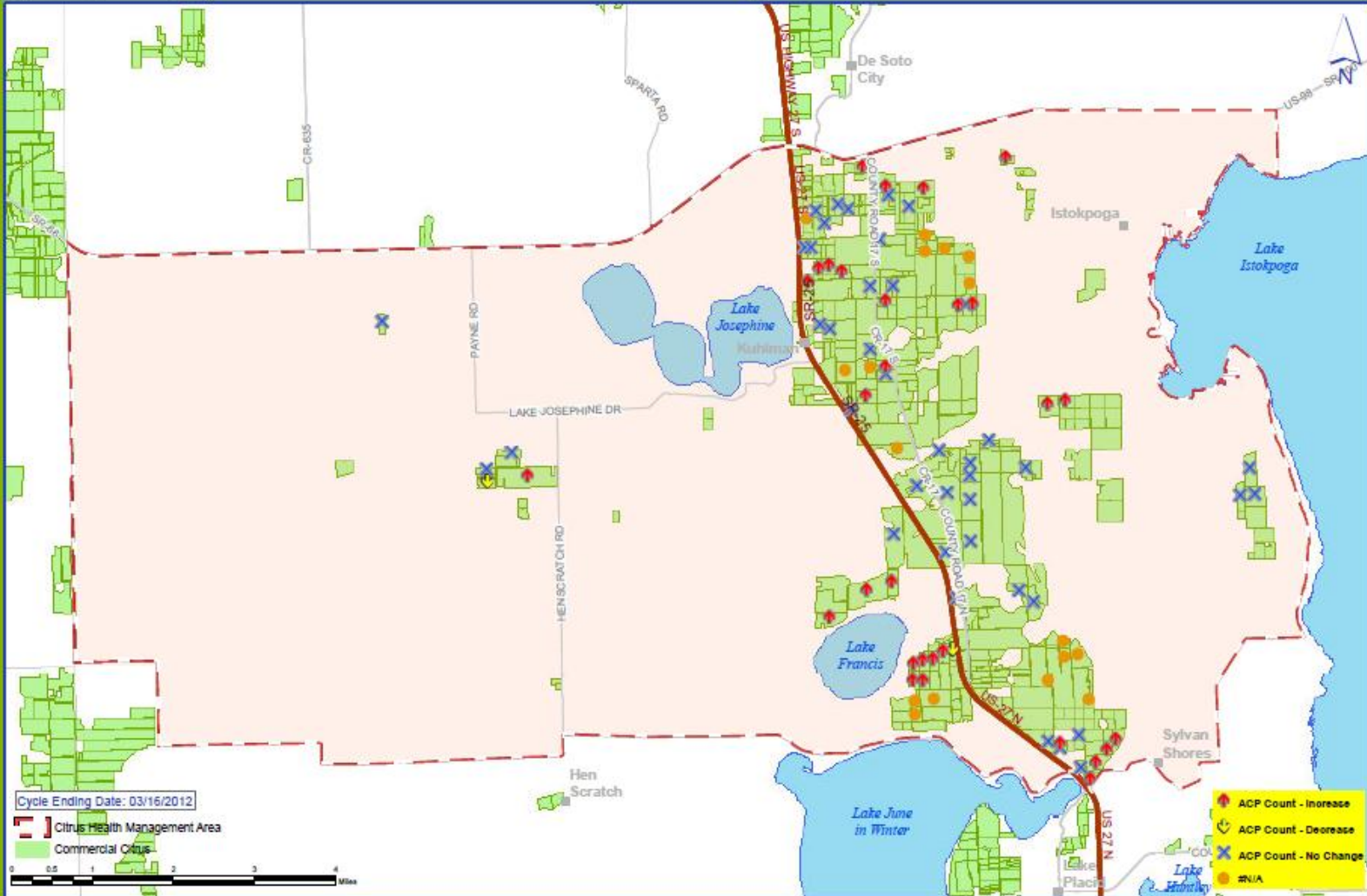


# HIGHLANDS COUNTY Citrus Health Management Area

Central Highlands 17/27 CHMA

**UF** UNIVERSITY of  
**FLORIDA**  
IFAS

**Division of  
PLANT INDUSTRY**  
Fresh Florida. Protection through Detection  
FLORIDA DEPARTMENT OF AGRICULTURE AND FORESTRY SERVICES  
Adam H. Putnam, Commissioner



Map Prepared By: Matthew Albritton - 3/21/2012

\* Blocks Listed as #N/A have not had two consecutive surveys and therefore increase/decrease could not be calculated.

## Results and Observations

- **Grower participation is increasing as they see the data and results**
- **Psyllid populations are decreasing where coordinated applications have been implemented**





## Results and Observations

- **Grower leadership is key to obtaining and sustaining grower cooperation**
- **Grower interaction is enhanced**
- **Ultimately, ACP populations and production costs should be reduced!**





**For more information:**

**Visit the Florida CHMA Website:**

**[www.flchma.org](http://www.flchma.org)**

**Additional questions, contact:**

**Area Citrus County Extension Agents**

**Local CHRP Offices**



Florida Department of Agriculture & Consumer Services  
Division of Plant Industry