

Illinois State Beekeepers Association

Fall Meeting

November 7, 2009

Distribution of Beekeeper Size in Illinois as of July 1, 2009

Number of Colonies	Number of Beekeepers	Percentage of Beekeepers
0	75	5.23
1-5	948	66.2
6-10	209	14.6
11-20	103	7.19
21-50	57	4.0
51-100	25	1.7
101-200	9	.063
201-300	2	.014
301-400	1	.007
401-500	2	.014
>500	2	.001
TOTAL	1433	99.02*

* May not total 100% due to rounding.

Illinois Beekeeper and Colony Statistics from July 1,1989 through July 1 2009

Year	Number of Registered Beekeepers	Number of Apiaries	Number of Colonies	Colonies/ Beekeeper	Colonies/ Apiary
2009	1,433	2,325	19,680	13.7	8.5
2008	1,366	2,303	19,556	14.3	8.5
2007	1,329	2,216	18,821	14.2	8.5
2006	1,264	2,157	20,217	16.0	9.4
2005	1,213	2,054	27,646	22.8	13.5
2004	1,141	1,940	19,572	17.2	10.1
2003	1,117	1,926	18,649	16.7	9.7
2002	1,107	1,914	17,963	16.3	9.4
2001	1,160	2,038	19,627	16.9	9.6
2000	1,142	1,975	18,504	16.2	9.4
1999	1,208	2,025	16,939	14.0	8.4
1998	1,295	2,136	18,129	14.0	8.5
1997	1,521	2,464	17,276	11.4	7.0
1996	1,515	2,506	16,896	11.2	6.7
1995	1,782	2,879	19,037	10.7	6.6
1994	1,999	3,252	21,872	10.9	6.7
1993	2,021	3,350	24,240	12.0	7.2
1992	2,249	3,668	26,405	11.7	7.2
1991	2,329	3,758	27,693	11.9	7.4
1990	2,705	4,336	33,800	12.5	7.8
1989	2,783	4,413	34,966	12.6	7.9

**Number of Registered Apiaries and Colonies
in Illinois Counties as of July 1, 2009**

COUNTY	# OF APIARIES	# OF COLONIES
Adams	33	182
Alexander	1	6
Bond	10	35
Boone	18	317
Brown	22	141
Bureau	32	121
Calhoun	4	9
Carroll	22	377
Cass	13	62
Champaign	63	213
Christian	10	24
Clark	12	61
Clay	7	41
Clinton	13	32
Coles	39	166
Cook	129	701
Crawford	8	21
Cumberland	15	31

COUNTY	# OF APIARIES	# OF COLONIES
DeKalb	16	96
DeWitt	10	24
Douglas	19	63
DuPage	86	263
Edgar	22	145
Edwards	5	19
Effingham	9	57
Fayette	17	71
Ford	10	33
Franklin	8	30
Fulton	45	245
Gallatin	3	24
Greene	4	36
Grundy	17	183
Hamilton	3	7
Hancock	25	167
Hardin	0	0
Henderson	10	81
Henry	8	33

COUNTY	# OF APIARIES	# OF COLONIES
Iroquois	16	1510
Jackson	21	153
Jasper	17	68
Jefferson	7	49
Jersey	8	49
JoDaviess	81	2009
Johnson	10	71
Kane	98	436
Kankakee	17	291
Kendall	28	146
Knox	20	216
LaSalle	35	143
Lake	88	518
Lawrence	9	25
Lee	11	36
Livingston	27	98
Logan	16	274
Macon	17	43
Macoupin	42	166

COUNTY	# OF APIARIES	# OF COLONIES
Madison	48	236
Marion	11	35
Marshall	8	59
Mason	15	84
Massac	3	402
McDonough	29	76
McHenry	69	621
McLean	35	282
Menard	12	43
Mercer	6	18
Monroe	16	288
Montgomery	8	35
Morgan	14	77
Moultrie	15	59
Ogle	43	272
Peoria	41	223
Perry	18	185
Piatt	15	55
Pike	12	21

COUNTY	# OF APIARIES	# OF COLONIES
Pope	1	3
Pulaski	3	534
Putnam	2	18
Randolph	12	60
Richland	8	22
Rock Island	11	48
Saline	2	11
Sangamon	107	340
Schuyler	15	57
Scott	4	6
Shelby	14	125
St. Clair	60	303
Stark	6	22
Stephenson	29	237
Tazewell	46	459
Union	10	1507
Vermilion	20	92
Wabash	1	12
Warren	13	138

COUNTY	# OF APIARIES	# OF COLONIES
Washington	13	55
Wayne	27	132
White	2	9
Whiteside	33	157
Will	47	796
Williamson	34	676
Winnebago	37	253
Woodford	24	119
TOTALS:	2325	19,680

Illinois Apiary Inspection Statistics -- 1990 through July 1, 2008

Year	# Apiaries Inspected	Colonies Inspected	Colonies Opened
FY09	344	4,027	2,947
FY08	314	2,073	1,523
FY07	343	2,561	1,824
FY06	346	2,673	1,939
FY 05	296	4,695	2,603
FY 04	219	4,696	1,747
FY 03	266	3,662	1,915
FY02	196	1,999	1,254
FY01	231	3,228	1,273
FY00	115	1,731	855
FY99	156	4,083	1,424
FY98	199	3,027	1,388
FY97	277	2,086	1,236
FY96	279	2,480	1,349
FY95	333	2,584	1,363
FY94	530	3,809	2,357
FY93	419	2,366	1,530
FY92	460	-	2,173
Cal92	474	-	1,916

Year	AFB		# of Colonies With EFB	# of Colonies w/ Chalk Brood	Varroa Mites		# of Colonies w/Tracheal Mites
	# of Colonies	% of Colonies Opened			# of Colonies	% of Colonies Inspected	
FY09	7	.2	0	5	196	4.9	1
FY08	12	.8	3	10	113	5.5	1
FY07	23	1.3	7	24	157	6.1	1
FY06	36	1.9	2	17	182	6.8	-
FY05	50	1.9	10	69	171	3.6	-
FY04	37	2.1	1	48	54	1.1	-
FY03	89	4.7	8	109	297	8.1	8
FY02	31	2.5	0	4	141	7.0	-
FY01	18	1.4	1	41	217	6.7	-
FY00	21	2.4	0	4	407	23.5	9
FY99	8	0.6	0	19	751	18.4	
FY98	85	6.1	0	51	1,232	40.7	5
FY97	32	2.6	2	7	99	4.7	-
FY96	156	11.8	5	54	260	11.3	-
FY95	15	1.1	3	6	837	32.4	88
FY94	72	3.1	8	33	1,090	28.6	121
FY93	48	3.1	6	10	672	28.4	144
FY92	62	2.8	19	25	389	-	119
Cal92	72	3.7	1	21	618	-	120

Colony Collapse Disorder

- Status
- USDA/ARS Survey-Bee Losses Nationwide-29% (Sept. 08 to April 09)-All causes- 26% surveyed reported some loss from CCD
- USDA/ARS Research-Higher total load of pathogens(viruses, bacteria, fungi) – appear to have strong link with CCD
- University of Illinois Research-CCD Impact on Genes
- Specific Cause(s) of CCD-Jury still out
- CCD in Illinois?
- IDOA Actions

Varroa Mite Treatments

- Api Life VAR – Thymol Based Product
- Apiguard – Thymol Based Product
- Apistan – Fluvalinate
- Checkmite+ Bee Hive Pest Control Strips – Coumaphos Product
- Mite-Away II – Formic Acid Product
 - Mite-Away Quick Strips
- Sucroside – Sugar Based Product (Not Available-IL)
- Hivastan – Fenpyroximate Based Product

- RESULTS??

Mite-Away Quick Strip

- NOD Apiary Products Claims-
 - 95% effective in killing varroa mites
 - Kills varroa under capped brood
 - Treatment is for 7 days
 - No residues-can be applied during honeyflow
 - 100% Compostable-can be left in hive for bees to dispose of or can be removed and composted

Trials underway in Europe currently

General distribution-North America-early 2010

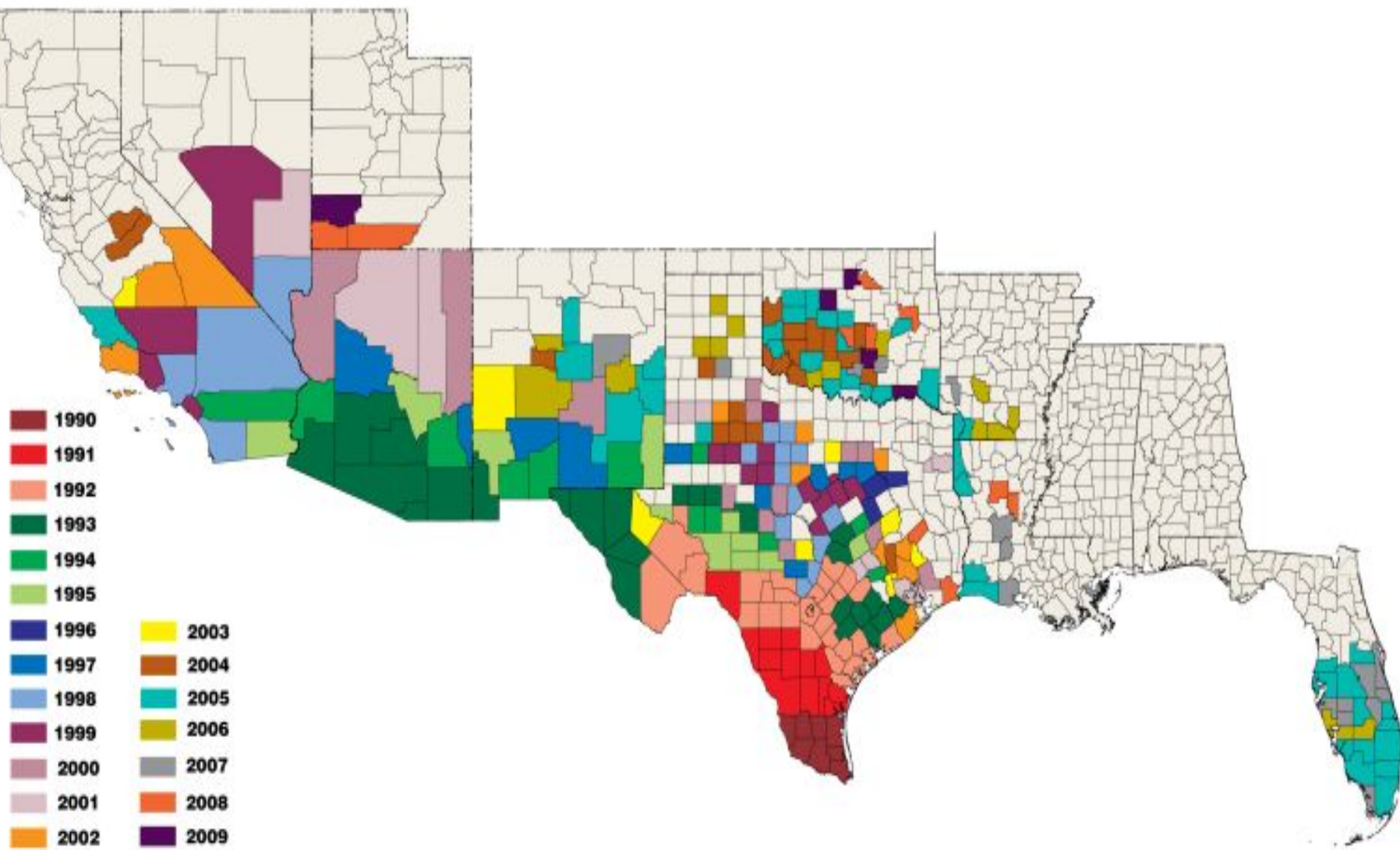
Africanized Honeybee

- Illinois – No Problems Currently
- Report Excessively Aggressive Bees To IDOA –
Samples Collected/Sent To USDA Lab –
Tucson AZ – Analysis
- Bee Constantly Vigilant
- Reference Information Available – Carl Hayden
Bee Lab – *gears.tucson.ars.ag.gov*

Spread of Africanized honey bees by year, by county

Updated July 2009

First found in southern Texas in 1990, Africanized honey bees are now found in much of the South.



Small Hive Beetle

- Major Pest of Apiary Industry
- Entered Illinois in 2001 (Kankakee, McLean & Will Counties)
- Currently Affects 27 Counties (Isolated)-Illinois
- Most Recent Detection – Jefferson County
- New Detections 2009 – Clinton, Fulton, Jefferson and Marion Counties
- Checkmite+ Strips
- West Small Hive Beetle Trap – Dadant
- AJs Beetle Eater - Dadant

Small Hive Beetle-Affected Counties

- Bureau
- Champaign
- Clinton
- Cook
- DuPage
- Effingham
- Franklin
- Fulton
- Grundy
- Henry
- Iroquois
- Jackson
- Jefferson
- Kankakee
- Lake
- Livingston
- Logan
- McHenry
- McLean
- Madison
- Marion
- Monroe
- Sangamon
- St. Clair
- Vermilion
- Whiteside
- Will

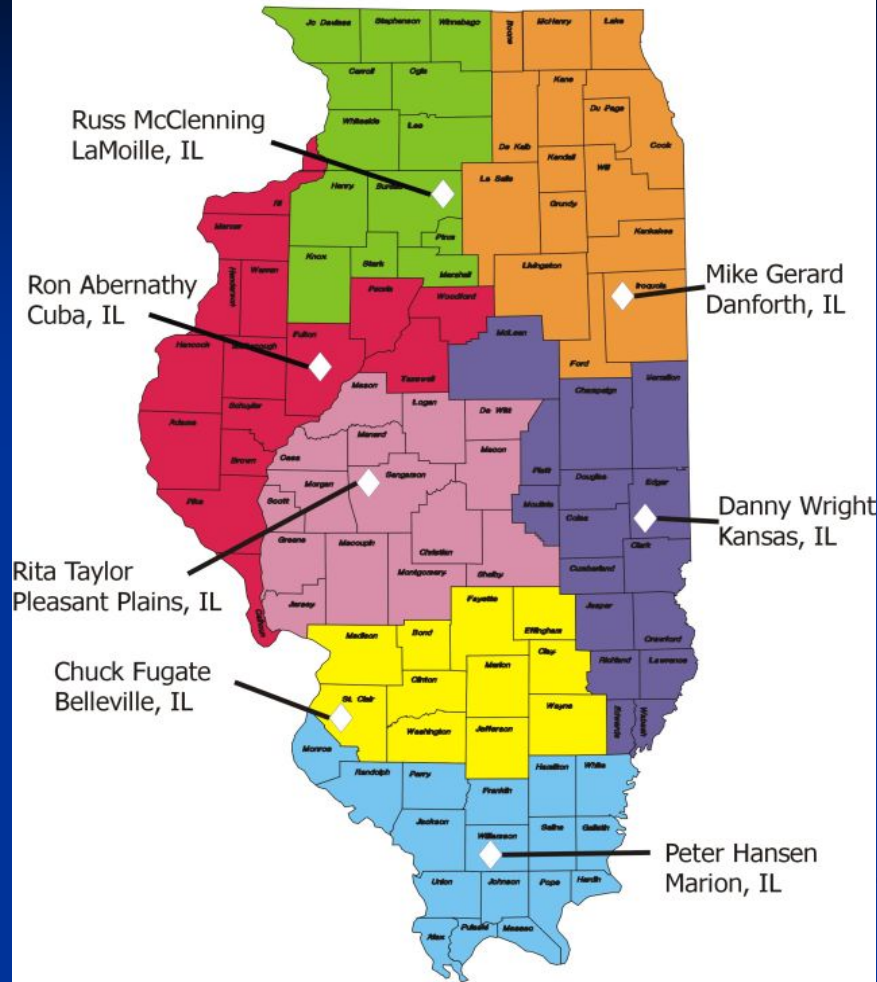
Additional Items

- Annual Registration Renewals
- New Registrations – 175 in Fiscal Year 2009
- Moving Permits
- IDOA Swarm List
- Public Awareness Activities
- IDOA Service to Apiary Industry
- Federal Disaster Assistance-USDA Farm Service Agency

Pesticide Concerns

- ISBA Brochures-<http://isba.us>
- IDOA Project – “Reducing Potential Bee Exposure to Pesticides” – www.agr.state.il.us
- Results

2009 APIARY INSPECTION DISTRICTS



Illinois Department of Agriculture
DIVISION OF NATURAL RESOURCES