



MDAR Apiary Program

Activity Summary 2015-2021



Metric Totals	Year						
	2015	2016	2017	2018	2019	2020	2021
	Outreach Programs (Instruction Hours)	11 (N/A)	41 (110)	56 (172)	60 (162)	56 (196)	33 (92) - virtual
Outreach Programs Attendees	N/A		2,557	3,896	4,077	4,557	4,183
Outreach Programs at State Apiaries	N/A	13	16	17	24	3	15
Visitors to State Apiaries	N/A	238	396	372	760	167 - virtual	276
Outreach Materials Created and Distributed	N/A	4	10	6	1	2	0
Varroa Mite Jars Dispersed	N/A		1,768	1,740	324	912	900
AFB/EFB Sample Envelopes Dispersed	N/A			250	450	375	200
Nosema/Varroa Mite Sample Envelopes Dispersed	N/A			250	450	375	200
Grants Received by Apiary Program (\$Amount)	N/A		0 (\$0)	1 (\$19,997)	1 (\$4,181)	0 (\$)	1 (\$13,800)
Apiary Program Message Line Calls	N/A		174	163	211	153	157
Beekeepers Joined Mailing List	N/A			139	160	229	274
Honey Harvested from State Apiaries in Pounds	N/A		234	407	720	600	50
Inspection Team Staff	4	5	5	5	5	4	5
Interns (EEA, UMass, Tufts)	N/A	1	2	0	2	0	0
Inspector Miles Traveled	9,900	15,500	22,685	23,054	18,055	18,893	25,612
Chief Miles Traveled	10,281	19,778	14,595	18,352	19,503	11,693	7,538
Registered Apiaries	N/A		96	107	153	266	309
Inspections Requested	N/A	783	554	619	531	637	907
Inspections Completed	1,376	783	762	733	625	574	851
Counties Visited	12	12	13	13	14	14	14
Cities/Towns Visited	172	204	225	216	202	197	249
Beekeepers Visited	1,080	582	636	568	476	489	662
Live Colonies Inspected	N/A	4,348	3,682	3,591	4,994	5,088	5,393
Dead Colonies and Equipment Inspected	N/A	309	377	223	130	360	998
Grand Total Colonies Inspected	5,258	4,640	4,059	3,814	5,124	5,448	6,391
USDA Beltsville Lab Samples Submitted*	6	69	128	277	184	124	88
USDA National Honey Bee Survey Apiaries (Colonies)	N/A	24 (192)	24 (187)	19 (192) - UMass	19 (192) - UMass	19 (192) - UMass	18 (170)



MDAR Apiary Program

Activity Summary 2015-2021



National Agricultural Genotyping Center (NAGC) Lab Samples Submitted		N/A				60	89	133	
Hive Health (Total Colonies with Issue)**	American Foulbrood (AFB)	24	5	3	4 (apiaries)	2 (apiaries)	6 (apiaries)	4 (apiaries)	
	European Foulbrood (EFB)	61	140	137	324	127	82	109	
	Chalkbrood	56	50	48	79	63	44	10	
	Stonebrood	0	0	0	1	1	0	1	
	<i>Nosema</i> spp (<i>N. ceranae</i> & <i>N. apis</i>)	12	11	17	68	85	169	172	
	Tracheal Mites	21	0	0	0	0	0	0	
	IBDS/PMS/Snot-Brood/Varroosis	156	208	381	145	334	272	324	
	K-Wing	21	78	26	5	0	0	5	
	Sacbrood Virus (SBV)	105	184	168	122	91	155	272	
	Deformed Wing Virus (DWV)	73	126	290	104	127	124	223	
	Varroa Destructor Virus 1 (VDV1)	N/A		18	79	53	80	125	
	Black Queen Cell Virus (BQCV)	21	17	21	24	10	99	173	
	Chronic Bee Paralysis Virus (CBPV)	2	35	13	21	21	9	24	
	Acute Bee Paralysis Virus (ABPV)	N/A	0	3	0	1	7	14	
	Kashmir Bee Virus (KBV)	N/A	0	1	0	0	0	0	
	Israeli Acute Paralysis Virus (IAPV)	N/A	1	9	15	25	4	33	
	Lake Sinai Virus 1 (LSV1)	N/A						23	57
	Lake Sinai Virus 2 (LSV2)	N/A		3	25	19	16	11	
	Slow Bee Paralysis Virus (SBPV)	N/A	0	0	0	0	0	0	
	Queen Issues (virgin, drone layer, absent, etc.)	N/A		132	170	94	78	130	
Small Hive Beetle (SHB)	6	91	58	28	38	3	93		
Wax Moth	2	64	6	10	15	33	7		
Mouse Damage	N/A	11	3	12	0	9	8		
Bear Damage	9	11	5	7	0	2	2		
Africanized Honey Bee Samples Submitted (Positive)	N/A	0(0)	1(0)	6(0)	0(0)	0(0)	0(0)		

*Submitted by MDAR Apiary Inspectors and results received from individual beekeeper submissions

**Includes USDA National Honey Bee Survey and UMass Hobby Beekeeper Survey sample results when available