

Vector Disease Control, Inc.

Mosquito Surveillance and Control Report

for the

City of Jonesboro

May 2017

2221 N. Church St. Jonesboro, AR 72401 T-870.933.6939 F- 870.933.0122

www.vdci.net













Control Report

City of Jonesboro Activity Report

May 2017

Vector Disease Control, Inc. (VDCI) provides a proven, scientific approach to mosquito control for the city of Jonesboro. VDCI's operations include larval and adult mosquito surveillance followed by the application of larvicides and adulticides. In addition, our office responds to service requests from the public.

Mosquito Surveillance

VDCI has utilized a total of thirteen (13) New Jersey light traps placed in residential and recreational areas throughout Jonesboro during this reporting period. These traps collected an average of 16.6 mosquitoes per trap night (947 total mosquitoes) during this time. There have been a total of 1 mosquito species collected, with *Aedes Vexans* being the most predominant species.

Larval Control Activity

Permanent water, flood water, artificial containers, and drainage system sites are inspected for larval mosquito breeding on a regular basis. In total, 27 sites inspected with 11 sites having mosquito larvae present. As a result of these inspections 60 ounces of the larvicide Aquabac 200G was applied to these mosquito breeding sites. Additionally, VDCI is continuing to eliminate breeding habitats for artificial container mosquitoes by targeting bird baths, buckets, tires, etc.

Control Report

ADULT MOSQUITO CONTROL ACTIVITY

In response to community events and mosquito surveillance data, VDCI applied adulticide (6) truck night for this reporting period. All adulticide ULV applications were made with truck-mounted ULV units equipped with GPS-enabled monitors. During this report period, a total of 579.0 spray miles (21054.5 acres) were treated with a total of 81.0 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 0 service request and adulticided all parks and special events during this month.

Summary

During this reporting period, VDCI has continued to provide exceptional control of larval and adult mosquito populations. VDCI will remain diligent in our surveillance and control activities to prevent a significant increase in the mosquito population. Based on recent weather conditions VDCI expects the trend of routine adulticiding and larviciding to continue. However, if VDCI detects a significant rise in the mosquito population we will increase larval and adult control. As always, VDCI welcomes residents with any mosquito-related questions or concerns to contact VDCI's Jonesboro office directly at 870.933.6939.



Ground Adulticide Applications

Start Date: 5/1/2017

End Date: 5/31/2017

M								
Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
eatment Area	1 Applications							
May 2017 5/25/2017 5/25/2017 5/26/2017	5/25/2017		Kontrol 30-30 (73748-5)	1:5	0.0	47.0	1709.1	8.0
	5/25/2017		Kontrol 30-30 (73748-5)	1:5	44.0	45.0	1636.4	6.0
	5/26/2017		Kontrol 30-30 (73748-5)	1:4	47.0	47.0	1709.1	8.0
					Te	otal Kontrol 30-	30 Applied:	22.0
				Zone 1 Totals:	91.0	139.0	5,054.5	22.0
reatment Area	2 Applications							
May 2017	5/15/2017		Kontrol 30-30 (73748-5)	1:5	39.0	40.0	1454.5	8.0
	5/25/2017		Kontrol 30-30 (73748-5)	1:4	76.0	44.0	1600.0	9.0
	5/31/2017		Kontrol 30-30 (73748-5)	1:4	32.0	47.0	1709.1	5.0
					T	otal Kontrol 30	-30 Applied:	22.0
				Zone 2 Totals:	147.0	131.0	4,763.6	22.0

Vector Disease Control International 2221 N. Church Street Jonesboro, AR 800-413-4445

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
May 2017	5/25/2017		Kontrol 30-30 (73748-5)	1:5	48.0	49.0	1781.8	7.0
	5/26/2017		Kontrol 30-30 (73748-5)	1:5	39.0	55.0	2000.0	5.0
					To	tal Kontrol 30-	30 Applied:	12.0
				Zone 4 Totals:	87.0	104.0	3,781.8	12.0
reatment Area	6 Applications							
May 2017	5/22/2017		Kontrol 30-30 (73748-5)	1:5	30.0	43.0	1563.6	2.0
					To	tal Kontrol 30-	30 Applied:	2.0
				Zone 6 Totals:	30.0	43.0	1,563.6	2.0
Treatment Area	7 Applications							
May 2017	5/25/2017		Kontrol 30-30 (73748-5)	1:5	38.0	39.0	1418.2	5.0
					Total Kontrol 30-30 Applied:		5.0	
				Zone 7 Totals:	38.0	39.0	1,418.2	5.0
Γreatment Area	9 Applications							
May 2017	5/31/2017		Kontrol 30-30 (73748-5)	1:4	52.0	59.0	2145.5	7.0
					Te	otal Kontrol 30	-30 Applied:	7.0
				Zone 9 Totals:	52.0	59.0	2,145.5	7.0
Treatment Area	a 10 Applications							
May 2017	5/10/201 7		Kontrol 30-30 (73748-5)	1:5	0.0	32.0	1163.6	8.0

Vector Disease Control International 2221 N. Church Street Jonesboro, AR 800-413-4445

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
May 2017	5/22/2017		Kontrol 30-30 (73748-5)	1:5	34.0	32.0	1163.6	3.0
					To	otal Kontrol 30-	-30 Applied:	11.0
				Zone 10 Totals:	34.0	64.0	2,327.3	11.0
				Grand Totals:	479.0	579.0	21,054.5	81.0



Adult Mosquito Surveillance Report

Start Date: 5/1/2017

End Date: 5/31/2017

	Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collec	eted
Freatme	ent Area 1 Collecti	ions				
	Trap Site 1	5/9/2017	NJ Light Trap	Aedes vexans	8	
	Trap Site 1	5/16/2017	NJ Light Trap	Aedes vexans	4	
				Trap Total	1 12	(Avg. 6)
	trap Site 10	5/9/2017	NJ Light Trap	Aedes vexans	15	
				Trap Total	1 15	(Avg. 15)
	Trap Site 2	5/9/2017	NJ Light Trap	Aedes vexans	2	
	Trap Site 2	5/16/2017	NJ Light Trap	Aedes vexans	11	
				Trap Tota	1 13	(Avg. 6.5)
	trap Site 8	5/9/2017	NJ Light Trap	Aedes vexans	8	
	trap Site 8	5/23/2017	NJ Light Trap	Aedes vexans	0	
				Trap Tota	1 8	(Avg. 4)
	trap Site 9	5/9/2017	NJ Light Trap	Aedes vexans	2	
	trap Site 9	5/23/2017	NJ Light Trap	Aedes vexans	9	
				Trap Tota	l 11	(Avg. 5.5)
Treatm	ent Area 2 Collect	ions				
	Trap Site 10	5/23/2017	NJ Light Trap	Aedes vexans	7	
				Trap Tota	1 7	(Avg. 7)
	Trap Site 3	5/9/2017	NJ Light Trap	Aedes vexans	15	
	Trap Site 3	5/16/2017	NJ Light Trap	Aedes vexans	31	
				Trap Tota	d 46	(Avg. 23)
Treatm	ent Area 3 Collec	tions				
	Trap Site 2	5/9/2017	NJ Light Trap	Aedes vexans	9	
	Trap Site 2	5/23/2017	NJ Light Trap	Aedes vexans	7	
	Trap Site 2	5/30/2017	NJ Light Trap	Aedes vexans	3	
				Trap Tota	al 19	(Avg. 6.3)
	Trap Site 8	5/9/2017	NJ Light Trap	Aedes vexans	9	

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Colle	cted
			Trap Total	9	(Avg. 9)
ent Area 4 Collect	ions				
Trap Site 3	5/9/2017	NJ Light Trap	Aedes vexans	7	
Trap Site 3	5/23/2017	NJ Light Trap	Aedes vexans	12	
Trap Site 3	5/30/2017	NJ Light Trap	Aedes vexans	- 11	
			Trap Total	30	(Avg. 10)
Trap Site 9	5/9/2017	NJ Light Trap	Aedes vexans	7	
Trap Site 9	5/16/2017	NJ Light Trap	Aedes vexans	37	
			Trap Total	44	(Avg. 22)
ient Area 5 Collect	tions				
Trap Site 11	5/9/2017	NJ Light Trap	Aedes vexans	1	
Trap Site 11	5/16/2017	NJ Light Trap	Aedes vexans	12	
			Trap Tota	1 13	(Avg. 6.5)
Trap Site 13	5/9/2017	NJ Light Trap	Aedes vexans	12	
			Trap Tota	1 12	(Avg. 12)
Trap Site 5	5/9/2017	NJ Light Trap	Aedes vexans	1	
Trap Site 5	5/23/2017	NJ Light Trap	Aedes vexans	5	
Trap Site 5	5/30/2017	NJ Light Trap	Aedes vexans	5	
			Trap Tota		(Avg. 3.7)
trap Site 7	5/9/2017	NJ Light Trap	Aedes vexans	12	
trap Site 7	5/23/2017	NJ Light Trap	Aedes vexans	18	
trap Site 7	5/30/2017	NJ Light Trap	Aedes vexans	17	
			Trap Total	47	(Avg. 15.7)
nent Area 6 Collec	tions				
trap Site 12	5/9/2017	NJ Light Trap	Aedes vexans	17	
trap Site 12	5/23/2017	NJ Light Trap	Aedes vexans	3	
			Trap Total	ıl 20	(Avg. 10)
trap Site 13	5/9/2017	NJ Light Trap	Aedes vexans	16	
trap Site 13	5/23/2017	NJ Light Trap	Aedes vexans	6	
			Trap Total	al 22	(Avg. 11)
Trap Site 5	5/9/2017	NJ Light Trap	Aedes vexans	17	

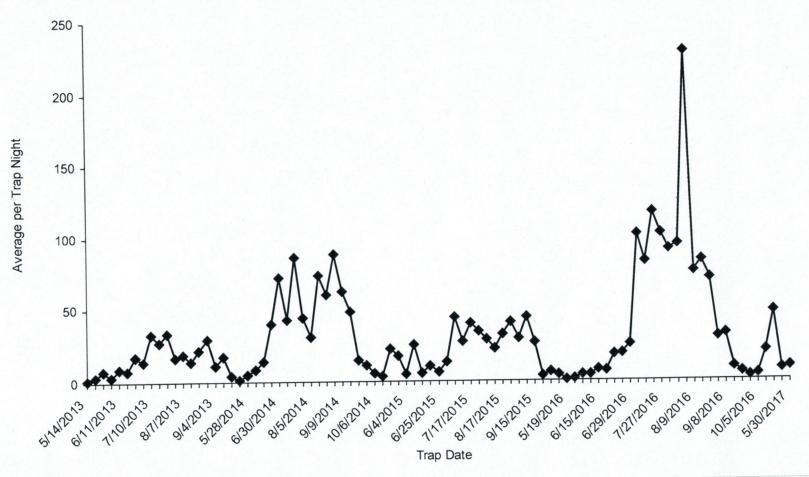
Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Colle	ected
Trap Site 5	5/16/2017	NJ Light Trap	Aedes vexans	66	
			Trap Total	83	(Avg. 41.5)
Trap Site 6	5/9/2017	NJ Light Trap	Aedes vexans	16	
Trap Site 6	5/16/2017	NJ Light Trap	Aedes vexans	68	
			Trap Total	84	(Avg. 42)
Γreatment Area 8 Collect	ions				
Trap Site 10	5/9/2017	NJ Light Trap	Aedes vexans	6	
Trap Site 10	5/16/2017	NJ Light Trap	Aedes vexans	6	
			Trap Total	1 12	(Avg. 6)
trap Site 11	5/9/2017	NJ Light Trap	Aedes vexans	12	
trap Site 11	5/23/2017	NJ Light Trap	Aedes vexans	6	
			Trap Total	1 18	(Avg. 9)
Trap Site 4	5/9/2017	NJ Light Trap	Aedes vexans	6	
			Aedes vexans	12	
Trap Site 4	5/16/2017	NJ Light Trap	Aedes vexans	78	
Trap Site 4	5/23/2017	NJ Light Trap	Aedes vexans	4	
Trap Site 4	5/30/2017	NJ Light Trap	Aedes vexans	5	
			Trap Tota	1 105	(Avg. 26.2)
Freatment Area 9 Collec	tions				
Trap Site 12	5/9/2017	NJ Light Trap	Aedes vexans	5	
Trap Site 12	5/16/2017	NJ Light Trap	Aedes vexans	13	
			Aedes vexans	17	
			Trap Tota	d 35	(Avg. 17.5)
Trap Site 6	5/9/2017	NJ Light Trap	Aedes vexans	5	
Trap Site 6	5/23/2017	NJ Light Trap	Aedes vexans	14	
Trap Site 6	5/30/2017	NJ Light Trap	Aedes vexans	18	
			Trap Tota	d 37	(Avg. 12.3
Treatment Area 10 Colle	ections				
Trap Site 1	5/16/2017	NJ Light Trap	Aedes vexans	132	
Trap Site 1	5/23/2017	NJ Light Trap	Aedes vexans	8	
Trap Site 1	5/30/2017	NJ Light Trap	Aedes vexans	6	
r			Trap Tota	al 146	(Avg. 48.7

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collec	eted
Trap Site 4	5/9/2017	NJ Light Trap	Aedes vexans	21	
			Trap Total	21	(Avg. 21)
Trap Site 7	5/9/2017	NJ Light Trap	Aedes vexans	21	
			Trap Total	21	(Avg. 21)
Trap site 8	5/16/2017	NJ Light Trap	Aedes vexans	46	
			Trap Total	46	(Avg. 46)
			Overall Trap Total		
	Trap Site 4 Trap Site 7	Trap Site 4 5/9/2017 Trap Site 7 5/9/2017	Trap Site 4 5/9/2017 NJ Light Trap Trap Site 7 5/9/2017 NJ Light Trap	Trap Site 4 5/9/2017 NJ Light Trap Aedes vexans Trap Total Trap Site 7 5/9/2017 NJ Light Trap Aedes vexans Trap Total Trap site 8 5/16/2017 NJ Light Trap Aedes vexans Trap Total	Trap Site 4 5/9/2017 NJ Light Trap Aedes vexans 21 Trap Total 21 Trap Site 7 5/9/2017 NJ Light Trap Aedes vexans 21 Trap Total 21 Trap Total 46 Trap Total 46 Overall Trap Total 947

Overall Trap Average 16.6



Adult Mosquito Surveillance Summary



Larval Surveillance Data

Start Date: 5/1/2017

End Date: 5/31/2017

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
tment Are	a 1 Sites Inspected					
5/9/2017	Johnson Ave/ Hwy 91	ditch	0	No		
5/15/2017			0	No		
5/30/2017	1900 Jean Dr	ditch	0	No		
	3305 bowden Dr.	ditch	0	No		
	3500 woodsprings rd.	ditch	0	No		
	3702 Hidden hill creek	ditch	0	No		
	4893 Darr Hill	ditch	0	No		
	5101 Deerfield rd	ditch	0	No		
	5200 Martha Dr	ditch	0	No		
	5216 Friendly Hope Rd	ditch	0	No		
	5400 Johnwood Dr	ditch	0	No		
	5412 Maple Dr	ditch	0	No		
	5511 Southwest Dr	ditch	0	No		
	5700 Wimpy Ln	ditch	0	No		
5/31/2017	314 Oak	ditch	1-10	Yes		
				Total Sites In	spected in Zone	1: 15
atment Arc	ea 2 Sites Inspected					
5/9/2017	715 Old Bridger Rd	ditch	0	No		
5/15/2017		ditch	0	No		
5/23/2017	CRAIGHEAD FORREST	DITCH	0	No		
				Total Sites In	spected in Zone	2:3
atment Ar	ea 4 Sites Inspected				A SECTION OF	
5/23/2017	204 HUNTCLIFFE	DITCH	0	No		

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
5/23/2017	219 DUNWOODY DR:	DITCH	0	No		
	3820 S. CULBERHOUSE	DITCH	0	No		
	812 SHERWOOD OAKS LN	DITCH	0	No		
	815 SHERWOOD OAKS LN	DITCH	0	No		
	CRAIGHEAD FOREST ROAD	DITCH	0	No		
				Total Sites Ins	spected in Zone	4: 6
reatment Ar	ea 6 Sites Inspected					
5/9/2017	1250 Old Paragould Rd	ditch	0	No		
	1312 Bridger Rd	ditch	0	No		
	2462 Clinton School Rd	ditch	0	No		
	3700 Airport Rd	ditch	0	No		
	3900 Airport Rd	ditch	0	No		
	4827 East Johnson	ditch	0	No		
	5600 Prospect Rd	ditch	0	No		
	Sage Meadows Blvd	ditch	0	No		
				Total Sites In	spected in Zone	6:8
Treatment Ai	ea 7 Sites Inspected					
5/22/2017		ditch	0	No		
	1001A Scott St.	ditch	0	No		
	1011 Peggy Dr.	ditch	0	No		
	1017 mays rd	ditch	0	No		
	1020Thomas Green	ditch	0	No		
	1225 Magnola Rd	ditch	0	No		
	1603 Magnola rd.	ditch	0	No		
	1700 Johnson Ave.	ditch	0	No		
	2207 Ranchette Dr.	ditch	0	No		
	2929 E. philedelpha rd	ditch	0	No		
				Vector Di	sease Control In	ternatio

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
5/22/2017	313 Bradley St.	ditch	0	No		
	821 Mays rd	ditch	0	No		
	Ponderosa Ln	ditch	0	No		
				Total Sites Ins	spected in Zone	7: 13
reatment Are:	a 8 Sites Inspected					
5/18/2017	1487 OAKHURST ST	Ditch	0	No		
	FLOYD ST.	Ditch	0	No		
	LOBERG ST	Ditch	0	No		
5/22/2017	1305 Charles Dr.	ditch	0	Yes		
	1600 Datbreak dr.	ditch	1-10	Yes		
	2506 Edna	ditch	1-10	Yes		
	2700 covey Dr	ditch	1-10	Yes		
	3419 Quail Ridge Rd	ditch	1-10	Yes		
5/23/2017	Craighead forrest	big hole	1-10	Yes		
5/25/2017	Front st.	ditch	1-10	Yes		
	100 SE 8th St.	ditch	0	Yes		
	210 Robin	ditch	1-10	Yes		
	803 Circle Dr	ditch	1-10	Yes		
	Robin St	ditch	1-10	Yes		
				Total Sites In	spected in Zone	8: 14
Γreatment Are	ea 9 Sites Inspected					
5/15/2017	1615 easley Rd	ditch	1-10	Yes		
	2701 Heath Rd	ditch	0	No		
	2800 fritolay rd.	ditch	1-10	Yes		
	2800 Quality Way	ditch	0	No		
	3100 cottage home rd	ditch	1-10	Yes		
	3100 Nestle Rd	ditch	0	No		
	5517 Pacific Rd	ditch	0	No		

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
5/15/2017	9400 CW Post rd	ditch	1-10	Yes		
	CW Post Rd	ditch	0	No		
	Industrial Dr	ditch	0	No		
	Stanley Rd	ditch	0	No		
				Total Sites Ins	spected in Zone): 11
Treatment Are	ea 10 Sites Inspected					
5/22/2017	1706 DEERWOOD	DITCH	0	No		
	1806 COVEY DR	DITCH	0	No		
	2010 BOB WHITE DRIVE	DITCH	0	No		
5/30/2017	1704 DEERWOOD	Ditch	0	No		
	1817 COVEY DR.	Ditch	0	No		
	1912 CHERRYWOOD DR	Ditch	0	No		
	2010 BOBWHITE	Ditch	0	No		
	2013 TURTLE CREEK RD	Ditch	0	No		
	2305 VAIL DR	Ditch	0	No		
	2704 RANKIN RD	Ditch	0	No		
	2904 Covey Dr.	Ditch	0	No		
	3107 HARRISON HILLS	Ditch	0	No		
	3109 ASHWOOD	Ditch	0	No		
	3201QUAIL RD	Ditch	0	No		
	3305 REDWOOD CIRCLE	Ditch	0	No		
				Total Sites Ins	spected in Zone	10: 15
Treatment A	rea 11 Sites Inspected					
5/15/2017	1500 Bittle ST	ditch	0	No		
	2200 Brazos	ditch	0	No		
	2400 Mary jane	ditch	1-10	Yes		
	2409 west acres	ditch	1-10	Yes		

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
5/15/2017	3015 Dayton St	ditch	0	No		
	3700 Airport Rd	ditch	0	No		
	3900 Lindenburgh Dr	ditch	0	No		
	4000 Nettleton	ditch	0	No		
	Allen Park: Race St	ditch	0	No		
5/30/2017		ditch	0	No		
	1020 Neil Dr.	Ditch	0	No		
	1500 Bittle ST.	Ditch	0	No		
	2000Watt St.	Ditch	0	No		
	2125 Fair Park BLVD	Ditch	0	No		
	2200 Brazos St	ditch	1-10	Yes		
	2200 willow Rd	ditch	11-50	Yes		
	2300 West Acres Dr.	ditch	1-10	Yes		
	2400 Mary Jane Dr.	ditch	1-10	Yes		
	2800 Matthews AVE.	Ditch	0	No		
	3000 Industrial DR.	Ditch	0	No		
	3015 Dayton St	Ditch	0	No		
	3100 Parkwood RD.	Ditch	0	No		
	3700 Airport Rd.	Ditch	0	No		
	3704 Race St.	Ditch	0	No		
	3900 Airport rd.	ditch	1-10	Yes		
	3902 Griggs	ditch	1-10	Yes		
	4000 Nettleton Ave.	Ditch	0	No		

Total Sites Inspected in Zone 11: 27



Summary of Service Requests

Start Date: 5/1/2017

End Date: 5/31/2017

Month	Municipality	Treatment Area	Total Calls	Total Inspected	Disposition Total	s	Total Sites with Mosquitoes	Total Amount of Larvicide Applied	Total Amount of Adulticide Applied
May 2017		8	1	0	No Action Required:	0	Eggs: 0	0.00 oz	0.0 oz
					Emptied Containers:	0	Larvae: 0		
					Biological Control:	0	Pupae: 0		
					Larvicided:	0	Adults: 0		
					Adulticided:	0			
					Needed to Return:	0			
		Overall Totals:	1	0	NA: 0 LV:	0		0.00oz	0.0 oz
					EC: 0 AT:	0			
					BC: 0 NR:	0			



Jonesboro, Arkansas

Ground Adulticide Application Date: May 31, 2017

Sprayer Status

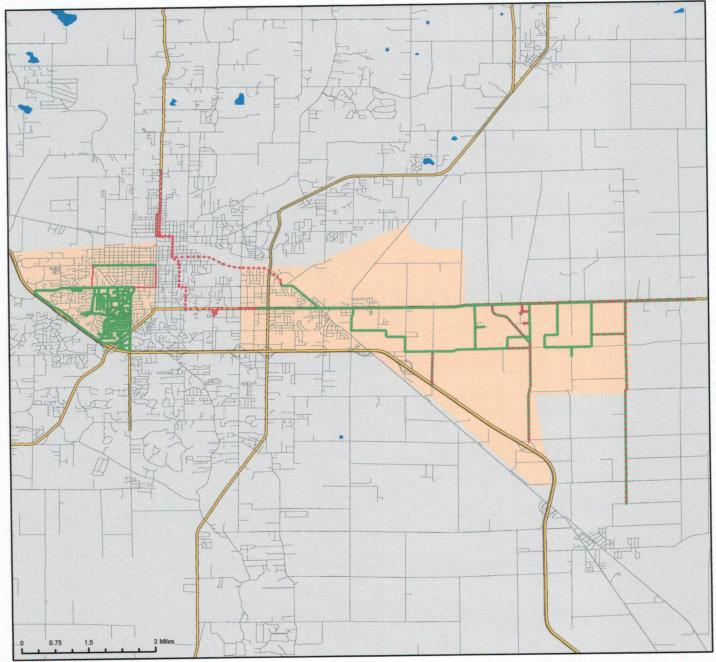
Spray Off

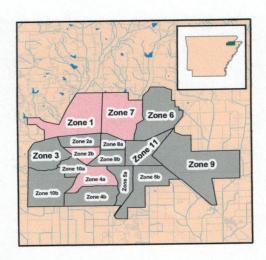
Spray On

Chemical: Kontrol 30-30 Quantity Used: 16.6 gal Miles Treated: 60.3

Acres Treated: 2,191.0







Jonesboro, Arkansas

Ground Adulticide Application Date: May 25, 2017

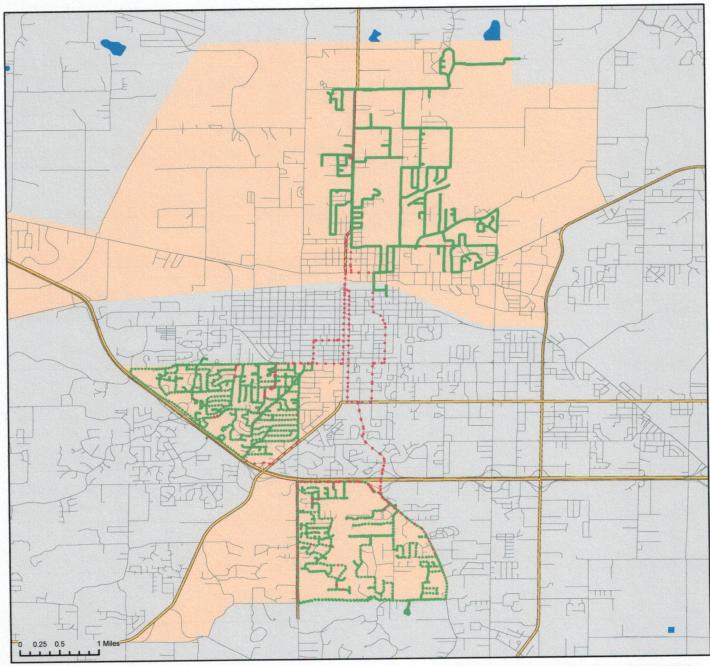
Sprayer Status

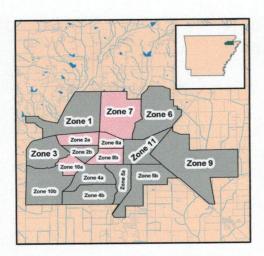
Spray Off

Spray On

Chemical: Kontrol 30-30 Quantity Used: 27.3 gal Miles Treated: 103.0 Acres Treated: 3,691.0







Jonesboro, Arkansas

Ground Adulticide Application Date: May 22, 2017

Sprayer Status

Spray Off

Spray On

Chemical: Kontrol 30-30 Quantity Used: 17.5 gal Miles Treated: 68.5 Acres Treated: 2,489.0



