



Vector Disease Control, Inc.

Mosquito Surveillance and Control Report

for the

**City of Jonesboro**

**June 2019**

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[www.vdci.net](http://www.vdci.net)





## **City of Jonesboro Activity Report**

**June 2019**

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.

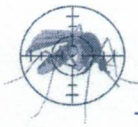
### **Mosquito Surveillance**

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 6.2 mosquitoes per trap night (173 total mosquitoes) during this time. There have been a total of 3 mosquito species collected, with *Anopheles quadrimaculatus* 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, 24 sites inspected with 4 sites having mosquito larvae present. As a result of these inspections 14 ounces of the larvicide Abate 5% 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.





## ADULT MOSQUITO CONTROL ACTIVITY

In response to community events and mosquito surveillance data, VDCI applied adulticide (29) truck routes 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 1,021.3 spray miles (37,135.4 acres) were treated with a total of 228.2 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 7 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.



# Adult Mosquito Surveillance Report

Start Date: 6/1/2019

End Date: 6/30/2019

Jonesboro

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Treatment Area 1 Collections				
Trap Site 1	6/6/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Anopheles quadrimaculatus</i>	1
			<b>Trap Total</b>	3 (Avg. 3)
Trap Site 10	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
			<b>Trap Total</b>	2 (Avg. 2)
Trap Site 2	6/6/2019	NJ Light Trap	<i>Aedes vexans</i>	4
			<i>Anopheles quadrimaculatus</i>	6
Trap Site 2	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	3
			<i>Anopheles quadrimaculatus</i>	4
			<b>Trap Total</b>	17 (Avg. 8.5)
Trap Site 3	6/6/2019	NJ Light Trap	<i>Aedes vexans</i>	8
			<i>Anopheles quadrimaculatus</i>	1
			<b>Trap Total</b>	9 (Avg. 9)
Trap Site 8	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	2
			<i>Anopheles quadrimaculatus</i>	2
			<b>Trap Total</b>	6 (Avg. 6)
Trap Site 9	6/27/2019	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	2
			<i>Anopheles quadrimaculatus</i>	2
			<i>Psorophora columbiae</i>	4
			<i>Psorophora columbiae</i>	4
			<b>Trap Total</b>	12 (Avg. 12)
Treatment Area 2 Collections				
Trap Site 10	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
			<b>Trap Total</b>	2 (Avg. 2)
Trap Site 3	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	2

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Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Trap Site 3	6/20/2019	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				3 (Avg. 3)

#### Treatment Area 3 Collections

Trap Site 2	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Anopheles quadrimaculatus</i>	3
Trap Site 2	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	4
			<i>Anopheles quadrimaculatus</i>	4
<b>Trap Total</b>				15 (Avg. 7.5)
Trap Site 3	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Anopheles quadrimaculatus</i>	2
<b>Trap Total</b>				4 (Avg. 4)

#### Treatment Area 4 Collections

Trap Site 3	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	3
			<i>Anopheles quadrimaculatus</i>	3
<b>Trap Total</b>				8 (Avg. 8)

#### Treatment Area 5 Collections

Trap Site 5	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
Trap Site 5	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
			<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				6 (Avg. 3)
Trap Site 7	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	0
			<i>Aedes vexans</i>	1
<b>Trap Total</b>				1 (Avg. 1)

#### Treatment Area 6 Collections

Trap Site 12	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	4
			<i>Anopheles earlei</i>	2

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Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Trap Site 12	6/27/2019	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	2
			<i>Psorophora columbiae</i>	2
			<b>Trap Total</b>	10 (Avg. 10)
Trap Site 13	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	4
			<i>Psorophora columbiae</i>	2
			<b>Trap Total</b>	6 (Avg. 6)
Trap Site 5	6/6/2019	NJ Light Trap	<i>Aedes vexans</i>	5
Trap Site 5	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	3
			<b>Trap Total</b>	9 (Avg. 4.5)
Trap Site 6	6/6/2019	NJ Light Trap	<i>Aedes vexans</i>	9
Trap Site 6	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	2
			<b>Trap Total</b>	12 (Avg. 6)

#### Treatment Area 8 Collections

Trap Site 11	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	2
			<b>Trap Total</b>	4 (Avg. 4)
Trap Site 4	6/6/2019	NJ Light Trap	<i>Aedes vexans</i>	7
Trap Site 4	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
			<i>Anopheles quadrimaculatus</i>	4
			<b>Trap Total</b>	15 (Avg. 7.5)

#### Treatment Area 9 Collections

Trap Site 6	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	2
			<i>Anopheles quadrimaculatus</i>	2
			<b>Trap Total</b>	6 (Avg. 6)

#### Treatment Area 10 Collections

Trap Site 1	6/20/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Anopheles quadrimaculatus</i>	3



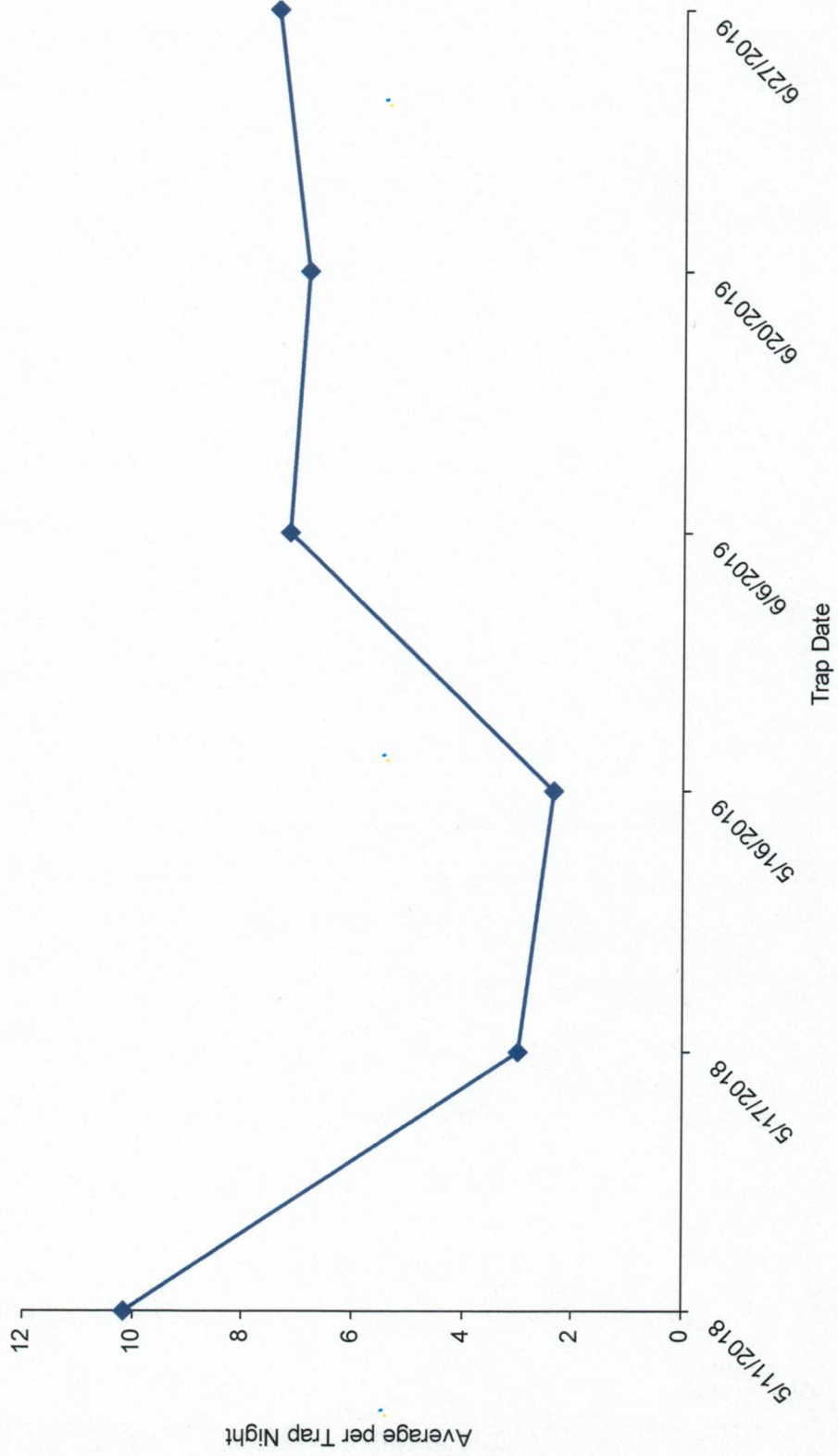
Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Trap Site 1	6/27/2019	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	2
			<i>Anopheles quadrimaculatus</i>	7
			<i>Anopheles quadrimaculatus</i>	7
			<b>Trap Total</b>	

<b>Overall Trap Total</b>	173
<b>Overall Trap Average</b>	6.2



## Adult Mosquito Surveillance Summary

Jonesboro







# Larval Surveillance Data

**Start Date:** 6/1/2019

**End Date:** 6/30/2019

## Jonesboro

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Treatment Area 1 Sites Inspected</b>						
6/17/2019			0	No		
	3206 Industrial Drive	Tires	1-10	Yes		
	3206 Industrial Drive	Tires	1-10	Yes		
	3421 CW Post Road	Tires	1-10	Yes		
	Central GMC-Stadium Blvd	Tires	0	No		
	Central Nissan	Tires	0	No		
	Discount Tires Stadium Blvd	Tires	1-10	Yes		
	Purcell Tire -3012 Parker Road	Tires	0	No		
<b>Total Sites Inspected in Zone 1: 8</b>						
<b>Treatment Area 6 Sites Inspected</b>						
6/24/2019	1411 Old Bridger Road	Ditch	0	No		
	2207 Bridger Road	Ditch	0	No		
	328 Sagewood Drive	Ditch	0	No		
	3500 Barbara Ann St	Ditch	0	No		
	3600 Vickie	Ditch	0	No		
	3609 Marzee Ann Drive	Ditch	0	No		
	4101 Cornerstone Drive	Ditch	0	No		
	4318 Peachtree	Ditch	0	No		
	4808 Prospect Road	Ditch	0	No		
	5107 Kara Drive	Ditch	0	No		
	5600 Prospect Road	Ditch	0	No		
	713 Paragould Drive	Ditch	0	No		

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<b>Date</b>	<b>Location</b>	<b>Habitat</b>	<b>No. Dipped</b>	<b>Larviced</b>	<b>Mosquito Species</b>	<b>No. ID'd</b>
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Total Sites Inspected in Zone 6: 12





# Larvicide Applications

**Start Date:** 6/1/2019

**End Date:** 6/30/2019

## Jonesboro

Date	Location	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq ft)
<b>Treatment Area 1 Applications</b>						
6/17/2019	3206 Industrial Drive	Tires	1-10	Abate 5% (8329-15)	1.0	7.0
	3206 Industrial Drive	Tires	1-10	Abate 5% (8329-15)	1.0	0.0
	3421 CW Post Road	Tires	1-10	Abate 5% (8329-15)	0.3	5.0
	Discount Tires Stadium Blvd	Tires	1-10	Abate 5% (8329-15)	0.5	2.0
<b>Total Ounces Applied:</b>					2.8	14.0 0.0 acres
<b>Total Larvicide Applied in Zone 1:</b>					2.8	14.0 0.0 acres
<b>Overall Total Ounces Applied</b>					2.8	14.0 0.0 acres



# Ground Adulticide Applications

Start Date: 6/1/2019 End Date: 6/30/2019

Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Treatment Area 1 Applications								
June 2019	6/14/2019		Permanone 31-66 (432-1250)	1:4	39.0	38.8	1409.0	12.3
	6/18/2019		Permanone 31-66 (432-1250)	1:4	43.0	31.0	1126.1	8.7
	6/18/2019		Permanone 31-66 (432-1250)	1:4	43.0	37.0	1345.5	9.0
	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 1 Totals:			187.0    164.7    5,989.6    38.0
Treatment Area 2 Applications								
June 2019	6/20/2019		Permanone 31-66 (432-1250)	1:4	40.0	31.3	1137.7	8.8
					Total Permanone 31-66 Applied:			8.8
					Zone 2 Totals:			40.0    31.3    1,137.7    8.8
Treatment Area 3 Applications								
June 2019	6/4/2019		Permanone 30-30 (432-1235 )	1:5	27.0	18.0	654.5	1.0
Treatment Area 4 Applications								
June 2019	6/11/2019		Permanone 31-66 (432-1250)	1:4	43.0	37.0	1345.5	9.0
					Total Permanone 31-66 Applied:			38.0
					Zone 3 Totals:			43.0    37.0    1,345.5    9.0
Treatment Area 5 Applications								
June 2019	6/18/2019		Permanone 31-66 (432-1250)	1:4	43.0	37.0	1345.5	9.0
					Total Permanone 31-66 Applied:			38.0
					Zone 4 Totals:			43.0    37.0    1,345.5    9.0
Treatment Area 6 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 5 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 7 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 6 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 8 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 7 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 9 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 8 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 10 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 9 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 11 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 10 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 12 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 11 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 13 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 12 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 14 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 13 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 15 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 14 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 16 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 15 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 17 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 16 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 18 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 17 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 19 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 18 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 20 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 19 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 21 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 20 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 22 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 21 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 23 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 22 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 24 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 23 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 25 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 24 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 26 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 25 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 27 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 26 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 28 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 27 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 29 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 28 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 30 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 29 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 31 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 30 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 32 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 31 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 33 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 32 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 34 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 33 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 35 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 34 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 36 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 35 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 37 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 36 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 38 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 37 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 39 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 38 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 40 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 39 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 41 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 40 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 42 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 41 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 43 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 42 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 44 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 43 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 45 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 44 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 46 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 45 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 47 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 46 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 48 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 47 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 49 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 48 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 50 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 49 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 51 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 50 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 52 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 51 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 53 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 52 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 54 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 53 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 55 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 54 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 56 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	62.0	58.0	2109.1	8.0
					Total Permanone 31-66 Applied:			38.0
					Zone 55 Totals:			62.0    58.0    2,109.1    8.0
Treatment Area 57 Applications								
June 2019	6/24/2019</							

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	65.0	46.0	1672.7	7.0
					<i>Total Permanone 30-30 Applied:</i>			
					<i>Total Permanone 31-66 Applied:</i>			
					7.0			

**Zone 3 Totals:** 92.0 64.0 2,327.3 8.0

**Treatment Area 4 Applications**

June 2019	6/14/2019		Permanone 31-66 (432-1250)	1:4	49.0	33.2	1206.7	6.0
	6/20/2019		Permanone 31-66 (432-1250)	1:4	42.0	36.0	1309.1	17.6
	6/24/2019		Permanone 31-66 (432-1250)	1:4	69.0	51.0	1854.5	8.0
	6/26/2019		Permanone 31-66 (432-1250)	1:4	56.0	41.0	1490.9	7.0
	6/28/2019		Permanone 31-66 (432-1250)	1:4	45.0	44.3	1609.3	12.3
					<i>Total Permanone 31-66 Applied:</i>			
					50.9			

**Zone 4 Totals:** 261.0 205.5 7,470.6 50.9

**Treatment Area 5 Applications**

June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	45.0	23.5	854.8	6.6
	6/24/2019		Permanone 31-66 (432-1250)	1:4	44.0	26.4	961.0	7.7
					<i>Total Permanone 31-66 Applied:</i>			
					14.3			

**Zone 5 Totals:** 89.0 49.9 1,815.8 14.3

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Treatment Area 6 Applications								
June 2019	6/3/2019		Permanone 30-30 (432-1235)	1:6	49.0	42.0	1527.3	7.0
					Total Permanone 30-30 Applied:			7.0
June 2019	6/26/2019		Permanone 31-66 (432-1250)	1:4	49.0	45.0	1636.4	9.0
					Total Permanone 31-66 Applied:			9.0
					Zone 6 Totals:			16.0
					98.0	87.0	3,163.6	
Treatment Area 7 Applications								
June 2019	6/5/2019		Permanone 30-30 (432-1235)	1:5	40.0	31.0	1127.3	8.0
					Total Permanone 30-30 Applied:			8.0
					Zone 7 Totals:			8.0
					40.0	31.0	1,127.3	
Treatment Area 8 Applications								
June 2019	6/3/2019		Permanone 30-30 (432-1235)	1:6	43.0	38.8	1409.0	10.7
					Total Permanone 30-30 Applied:			11.7
					23.0	17.0	618.2	1.0
					Zone 6 Totals:			16.0
					98.0	87.0	3,163.6	
Treatment Area 8 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	39.0	33.0	1200.0	7.5
					Total Permanone 31-66 Applied:			8.3
					42.0	29.6	1076.0	
June 2019	6/27/2019		Permanone 31-66 (432-1250)	1:4	58.0	47.0	1709.1	8.9
					Total Permanone 31-66 Applied:			8.9

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
June 2019	6/20/2019		Perm-X UL 31-66 (655-812)	1:4	55.0	48.0	1745.5	7.0
					Total Permanone 31-66 Applied: 24.7			
					Total Perm-X UL 31-66 Applied: 7.0			
Treatment Area 9 Applications								
June 2019	6/5/2019		Permanone 30-30 (432-1235 )	1:5	46.0	22.1	803.3	6.6
					Total Permanone 30-30 Applied: 6.6			
June 2019	6/26/2019		Permanone 31-66 (432-1250)	1:4	51.0	31.4	1142.8	8.8
					Total Permanone 31-66 Applied: 8.8			
Treatment Area 10 Applications								
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	61.0	49.0	1781.8	7.0
June 2019	6/24/2019		Permanone 31-66 (432-1250)	1:4	56.0	36.7	1333.9	10.6
					Total Permanone 31-66 Applied: 17.6			
					Zone 10 Totals: 117.0 85.7 3,115.7 17.6			
Treatment Area 11 Applications								
June 2019	6/5/2019		Permanone 30-30 (432-1235 )	1:5	12.0	6.3	229.5	1.8
					Total Permanone 30-30 Applied: 1.8			

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
June 2019	6/26/2019		Permanone 31-66 (432-1250)	1:4	45.0	29.0	1054.5	6.0
<i>Total Permanone 31-66 Applied:</i>								
					<i>Zone II Totals:</i>	57.0	35.3	1,284.0
					<i>Grand Totals:</i>	1,338.0	1,021.3	37,135.4
								228.2





# Service Request Adulticide Applications

**Start Date:** 6/1/2019

**End Date:** 6/30/2019

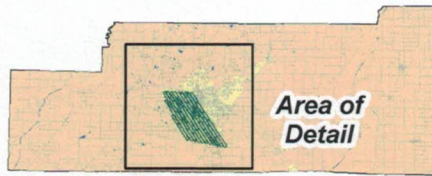
## Jonesboro

Date	Location	Chemical	Mix Ratio	Amount Applied	Area Treated
<b>Treatment Area 0 Applications</b>					
7/10/2019	503 Old Canyon Road	Evoluer 31-66 (769-991)	1:4	90.0	0.25 acres
<b>Total Evoluer 31-66 Applied:</b>				90.0 (0.7 gals)	0.25 acres
<b>Treatment Area 6 Applications</b>					
6/3/2019	Dicile Dr	Permanone 31-66 (432-1250)	1:4	60.0	5.00 acres
6/5/2019	Dicile Dr	Permanone 31-66 (432-1250)	1:4	60.0	5.00 acres
7/10/2019	2020 Dicile Drive	Permanone 31-66 (432-1250)	1:4	48.0	4.00 acres
<b>Total Permanone 31-66 Applied:</b>				168.0 (1.3 gals)	14.00 acres
<b>Treatment Area 8 Applications</b>					
6/20/2019	1408 E. Nettleton Ave	Permanone 31-66 (432-1250)	1:4	640.0	40.00 acres
6/24/2019	1408 East Nettleton	Permanone 31-66 (432-1250)	1:4	256.0	40.00 acres
6/27/2019	2505 Rosewood Circle	Permanone 31-66 (432-1250)	1:4	256.0	0.25 acres
<b>Total Permanone 31-66 Applied:</b>				1,152.0 (9.0 gals)	80.25 acres
<b>Grand Totals</b>				1,410.0 (11.0 gals)	94.50 acres

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## Craighead County



# Jonesboro, Arkansas

Aerial Adulticide Application Date:  
June 30, 2019



**Flight Line**

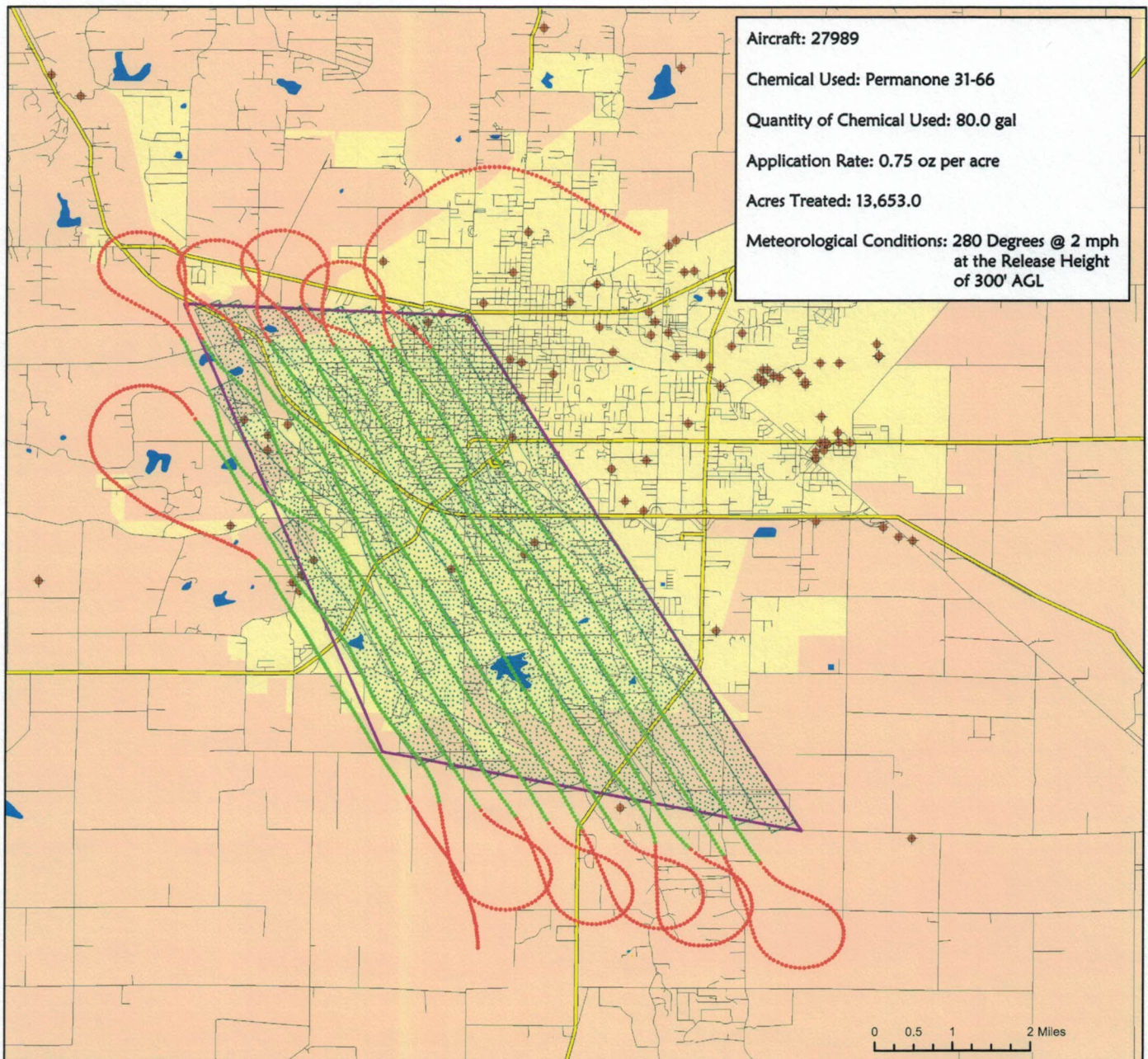
Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



Vector Disease Control  
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