

# August 2024 Mosquito Control Report

Jonesboro, AR



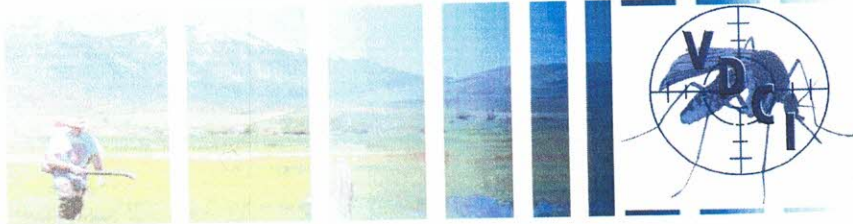
*Prepared by:*

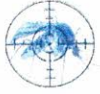
**Vector Disease Control**

2221 North Church  
Jonesboro, AR 72401

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

Office: 870-933-6939





## City of Jonesboro Activity Report

August 2024

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.

### Mosquito Surveillance

VDCI has utilized a total of **(13)** New Jersey light traps placed in residential and recreational areas throughout Jonesboro. These traps collected an average of **7.34** mosquitoes per trap night **(1,303)** total mosquitoes during this time. There have been a total of **3** mosquito species collected.

### 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, **12** sites were inspected with **4** sites having mosquito larvae present. As a result of these inspections, **168.00** ounces of granular BTI (VectoBacG) was applied to these mosquito breeding sites. Additionally, VDCI is continuing to eliminate breeding habitat for artificial container mosquitoes by targeting bird baths, buckets, tires etc.

### Adult Mosquito Control Activity



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In response to community events and mosquito surveillance data, VDCI applied the adulticide on **32** 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 **1,145.4** spray miles and **41,645.3 acres** were treated with a total of **258** gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to **23** service requests and adulticided all parks, and any special events during the month.

VDCI performed **2** aerial spraying during this reporting period. A total of **114.0** gallons of chemical was dispensed treating a total of **22,109** acres.

### **Summary**

Throughout 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. 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 855.933.6939.

	May 2023	May 2024	June 2023	June 2024	July 2023	July 2024	Aug 2023	Aug 2024
<b>Light Trap Surveillance:</b>								
Total Mosquitos Collected	29	217	696	9,179	1667	5,504	1655	1303
Total Average Mosquito Collected (Per Trap Per Day)	1.0825	8.346	13.30125	25.217	32.48325	13.88	31.4125	7.34
Total Average Species	2	3	2	3	2	3	1	3
<b>Larviciding:</b>								
Total Inspected Sites	7	40	81	59	13	65	38	12
Total Sites with Larvicide	4	0	6	20	2	25	12	4
Total Larvicide Used (In Ounces)	232	0	15	800	96	1,728	327	168
<b>Adulticiding:</b>								
Total Spray Miles	560.5	97.2	1,098.40	1,864.90	1193.5	1,965.20	1150.3	1145.4
Total Acres Treated	20,381.10	3,534.60	39,937.50	67,804.50	43,396.80	71,454.30	41824.9	41,645.30
Total Gallons Sprayed	105	26.9	298	442	264	416	277.8	258
Total Nights Sprayed	7	3	16	17	18	19	20	14
<b>Aerials:</b>								
Aerial Sprays	0	0	0	0	2	1	1	2
Total Gallons	0	0	0	0	93	120	70	114
Total Acres	0	0	0	0	18037	23,273	13785	22,109
<b>Requested Services:</b>	0	9	51	58	35	53	41	23

# Ground Adulticide Applications

Start Date: 08/01/2024      End Date: 08/30/2024

*Jonesboro*

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<b>Jonesboro Zone 01 Applications</b>								
August 2024	08/09/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	42.0	35.2	1,279.9	7.0
	08/15/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	88.0	37.6	1,366.8	9.0
					<i>Total CSI 30-30 Applied: 16.0</i>			
					<i>Jonesboro Zone 01 Totals: 130.0      72.8      2,646.6      16.0</i>			

<b>Jonesboro Zone 02A Applications</b>								
August 2024	08/05/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	33.9	30.8	1,118.8	6.0
	08/16/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	44.9	39.8	1,446.0	10.0
	08/27/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	48.9	35.4	1,286.1	8.0
					<i>Total CSI 30-30 Applied: 24.0</i>			
					<i>Jonesboro Zone 02A Totals: 127.7      105.9      3,850.9      24.0</i>			

<b>Jonesboro Zone 02B Applications</b>								
August 2024	08/27/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	11.0	34.0	1,236.2	8.0
					<i>Total CSI 30-30 Applied: 8.0</i>			
					<i>Jonesboro Zone 02B Totals: 11.0      34.0      1,236.2      8.0</i>			

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<b>Jonesboro Zone 03 Applications</b>								
August 2024	08/02/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	31.6	24.3	882.1	6.0
	08/08/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	51.3	49.3	1,792.6	8.0
	08/28/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	83.0	52.3	1,901.6	8.0
	08/28/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	37.2	29.8	1,083.2	5.9
<i>Total CSI 30-30 Applied: 27.9</i>								
<i>Jonesboro Zone 03 Totals: 203.1 155.7 5,659.4 27.9</i>								

<b>Jonesboro Zone 04A Applications</b>								
August 2024	08/02/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	20.0	19.2	698.1	7.0
	08/15/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	52.0	38.0	1,381.7	10.0
	08/28/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	53.0	42.0	1,527.1	10.0
<i>Total CSI 30-30 Applied: 27.0</i>								
<i>Jonesboro Zone 04A Totals: 125.0 99.2 3,606.9 27.0</i>								

<b>Jonesboro Zone 04B Applications</b>								
August 2024	08/09/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	49.4	39.2	1,425.3	11.0
	08/20/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	47.0	39.2	1,425.3	9.0
	08/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	53.4	40.4	1,470.4	9.0

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
	08/28/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	59.0	41.5	1,508.6	10.0
<i>Total CSI 30-30 Applied: 39.0</i>								
<i>Jonesboro Zone 04B Totals: 208.9 160.3 5,829.6 39.0</i>								

Jonesboro Zone 05A Applications								
August 2024	08/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	42.6	33.5	1,216.2	7.0
<i>Total CSI 30-30 Applied: 7.0</i>								
<i>Jonesboro Zone 05A Totals: 42.6 33.5 1,216.2 7.0</i>								

Jonesboro Zone 05B Applications								
August 2024	08/09/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	66.9	39.0	1,418.4	9.0
	08/16/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	44.0	30.0	1,090.8	8.0
<i>Total CSI 30-30 Applied: 17.0</i>								
<i>Jonesboro Zone 05B Totals: 110.9 69.0 2,509.2 17.0</i>								

Jonesboro Zone 07 Applications								
August 2024	08/09/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	40.0	35.0	1,272.6	6.0
	08/15/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	46.9	41.5	1,509.3	9.0
<i>Total CSI 30-30 Applied: 15.0</i>								
<i>Jonesboro Zone 07 Totals: 86.9 76.5 2,781.9 15.0</i>								

Jonesboro Zone 08A Applications								
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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
August 2024	08/06/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	41.1	31.0	1,126.8	6.0
	08/27/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	32.7	28.0	1,018.8	7.0
	08/30/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	27.4	20.9	760.7	7.0
<b>Total CSI 30-30 Applied: 20.0</b>								
<b>Jonesboro Zone 08A Totals: 101.2 79.9 2,906.3 20.0</b>								

Jonesboro Zone 09 Applications								
August 2024	08/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	74.8	53.1	1,931.4	12.0
<b>Total CSI 30-30 Applied: 12.0</b>								
<b>Jonesboro Zone 09 Totals: 74.8 53.1 1,931.4 12.0</b>								

Jonesboro Zone 10A Applications								
August 2024	08/09/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	31.2	25.8	937.0	7.0
	08/16/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	29.4	23.2	843.9	6.0
<b>Total CSI 30-30 Applied: 13.0</b>								
<b>Jonesboro Zone 10A Totals: 60.6 49.0 1,780.9 13.0</b>								

Jonesboro Zone 10B Applications								
August 2024	08/20/2024	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	48.2	37.3	1,357.7	8.0
	08/07/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	48.3	35.3	1,284.6	7.0
<b>Total Permanone 30-30 (General Use) Applied: 8.0</b>								

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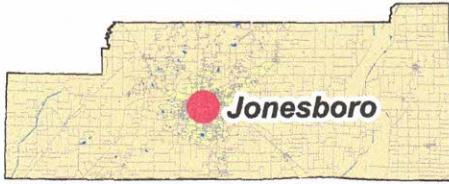


Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
	08/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	51.0	41.0	1,491.1	8.0
					Total CSI 30-30 Applied: 15.0			
					Jonesboro Zone 10B Totals: 147.5 113.7 4,133.4 23.0			

**Jonesboro Zone 11 Applications**

August 2024	08/05/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	47.6	42.8	1,556.2	9.0
					Total CSI 30-30 Applied: 9.0			
					Jonesboro Zone 11 Totals: 47.6 42.8 1,556.2 9.0			
					Grand Totals: 1,477.7 1,145.4 41,645.3 257.9			

# Craighead County



# Jonesboro, Arkansas

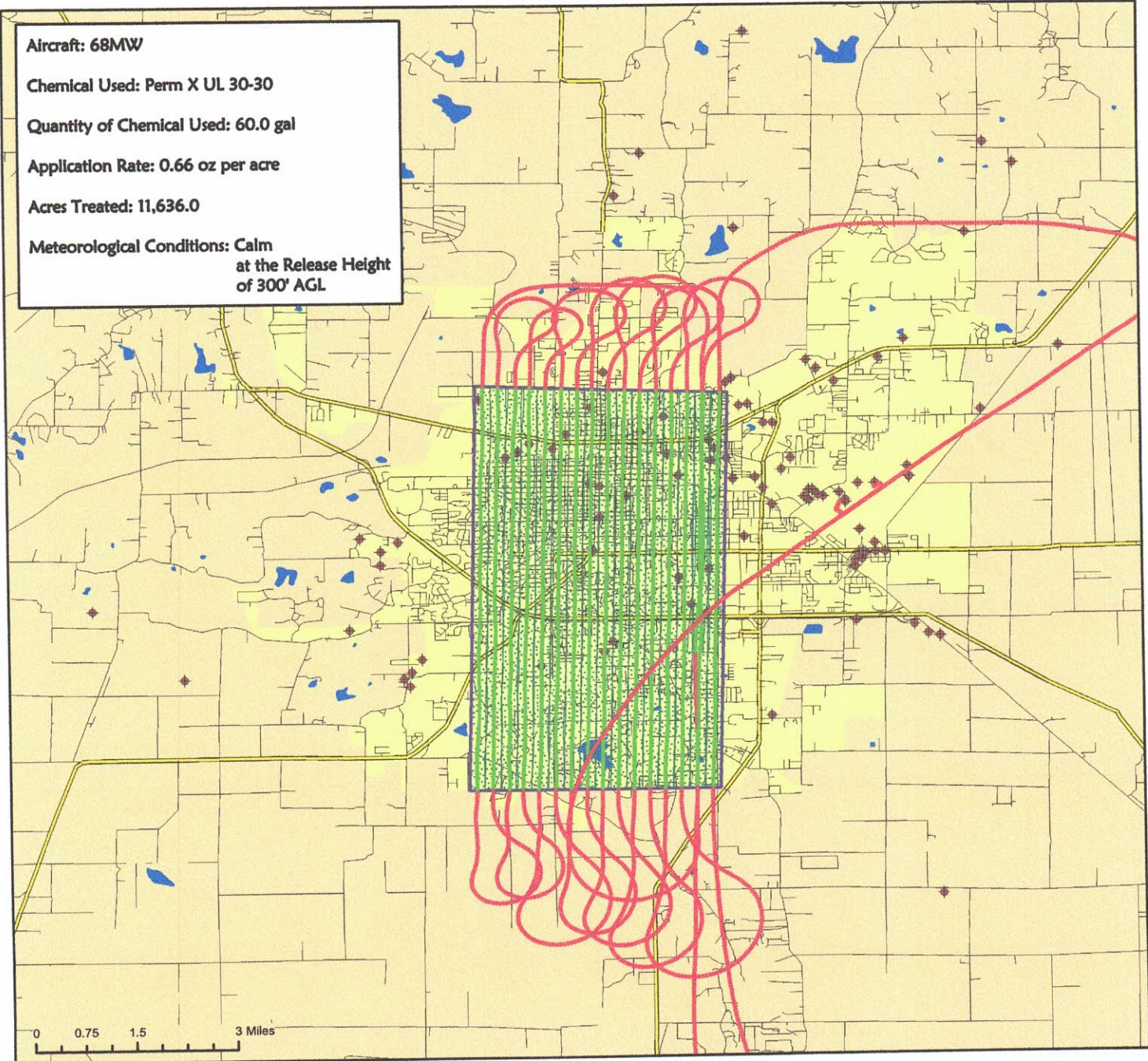
Aerial Adulticide Application Date:  
August 8, 2024



- Flight Line
- Spray Off
- Spray On
- Towers
- Spray Deposition
- Treatment Areas

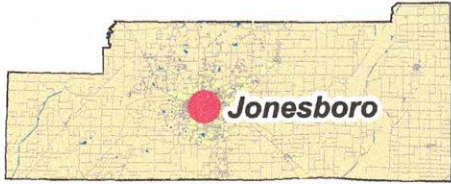


Aircraft: 68MW  
Chemical Used: Perm X UL 30-30  
Quantity of Chemical Used: 60.0 gal  
Application Rate: 0.66 oz per acre  
Acres Treated: 11,636.0  
Meteorological Conditions: Calm  
at the Release Height  
of 300' AGL



0 0.75 1.5 3 Miles

# Craighead County



# Jonesboro, Arkansas

Aerial Adulticide Application Date:  
August 9, 2024



**Flight Line**

Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



**Aircraft: 68MW**

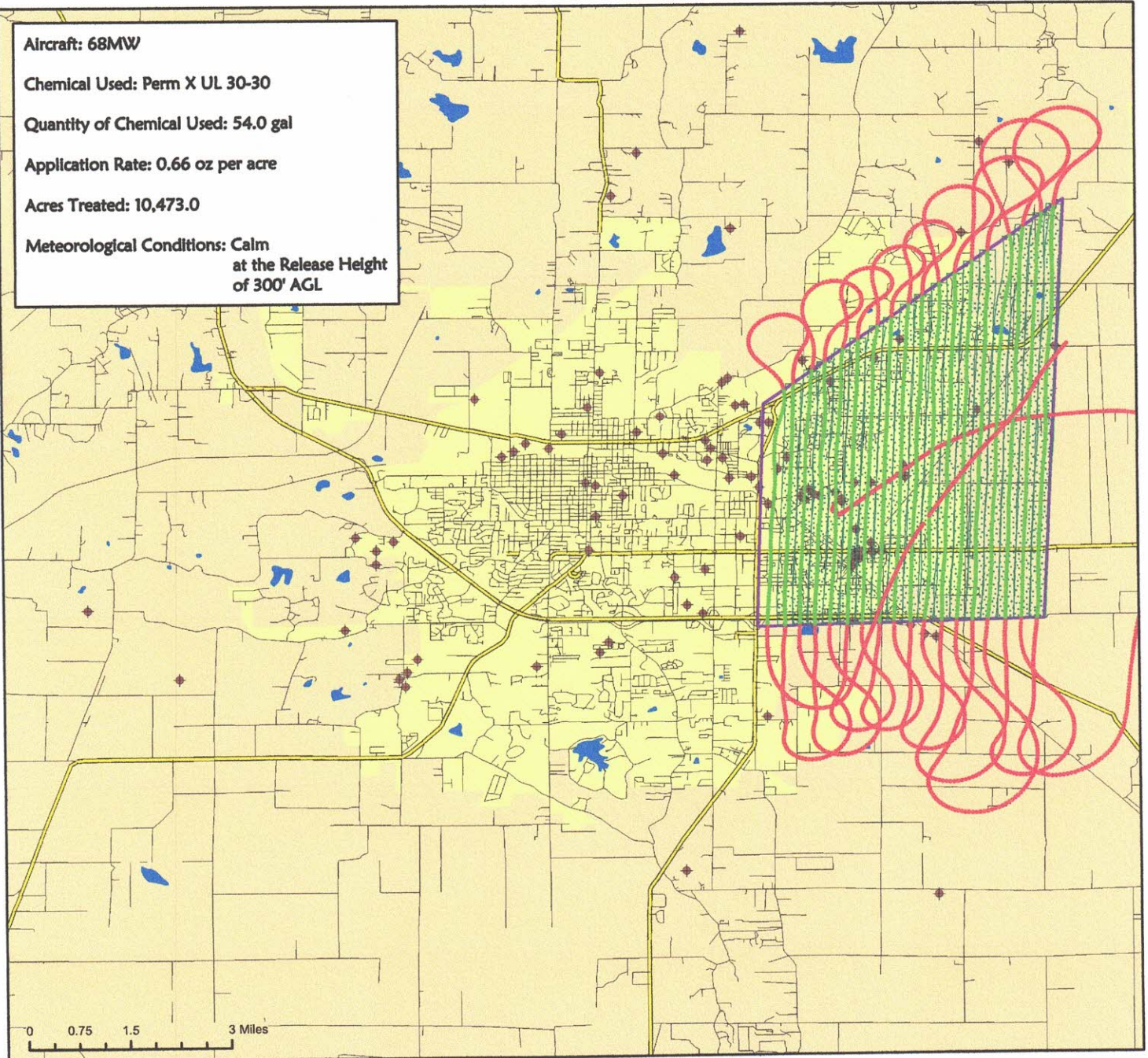
**Chemical Used: Perm X UL 30-30**

**Quantity of Chemical Used: 54.0 gal**

**Application Rate: 0.66 oz per acre**

**Acres Treated: 10,473.0**

**Meteorological Conditions: Calm  
at the Release Height  
of 300' AGL**



0 0.75 1.5 3 Miles