

Attachment B

Pricing proposal for Vector Disease Control International

Request for Qualifications (RFQ)

**2017-2018 AERIAL MOSQUITO CONTROL
PESTICIDE APPLICATION SERVICES**

February 21, 2017

CITY OF LARAMIE, WYOMING
 REQUEST FOR QUALIFICATIONS
 2017-2018 AERIAL MOSQUITO CONTROL PESTICIDE APPLICATION SERVICE
 FEBRUARY 21, 2017

- I. Mosquito Larviciding Services - 6,000 or more acres to be sprayed by air for the control of mosquito larva, with individual applications ranging from 1,000 acres. Liquid Bti to be applied at a rate of 16 to 30oz/acre. Chemicals supplied by the City, cost to be on a per acre basis.**

ACRES/APPLICATION COST PER ACRE @ APPLICATION RATE

	16 Ounces	20 Ounces	24 Ounces	30 Ounces
1,000-2,000	\$6.00	\$6.00	\$6.00	\$6.00
2,000-3,000	"	"	"	"
3,000-4,000	"	"	"	"
4,000-5,000	"	"	"	"
5,000-6,000	"	"	"	"
6,000-7,000	"	"	"	"
7,000-8,000	"	"	"	"
8,000-9,000	"	"	"	"
9,000-10,000	"	"	"	"
10,000 and up	"	"	"	"

Aircraft Identification Number N2082J

Type of Aircraft Cessna 188

Engine Horsepower 310 hp Turbo

Air Speed Range 130 k

Tank Capacity 280 gals

Pump Type Transland Hydraulic

Pump Capacity 25 gals per min

Type Nozzle Micronair AU5000

Number of Nozzles 2

Operating Pressure 40 psi

Droplet Range 200 to 300 VMD

Material per acre (output in ounces/acre) 16 oz

Effective Swath Width 65 ft

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ACRES/APPLICATION COST PER ACRE @ APPLICATION RATE
 16 Ounces 20 Ounces 24 Ounces 30 Ounces

ACRES	16 Ounces	20 Ounces	24 Ounces	30 Ounces
1,000-2,000	\$6.00	\$6.00	\$6.00	\$6.00
2,000-3,000	"	"	"	"
3,000-4,000	"	"	"	"
4,000-5,000	"	"	"	"
5,000-6,000	"	"	"	"
6,000-7,000	"	"	"	"
7,000-8,000	"	"	"	"
8,000-9,000	"	"	"	"
9,000-10,000	"	"	"	"
10,000 and up	"	"	"	"

Aircraft Identification Number N647LA

Type of Aircraft 2008 Air Tractor AT-502

Engine Horsepower 720 hp

Air Speed Range 150k

Tank Capacity 500 gals

Pump Type Transland (wind driven)

Pump Capacity 100 gal per min

Type Nozzle CP

Number of Nozzles 60

Operating Pressure 40-60 psi

Droplet Range Up to 600 VMD (depends on need)

Material per acre (output in ounces/acre) 16 oz

Effective Swath Width 85 ft

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2. **Mosquito Larviciding Services** – 1,000 or more acres to be treated by air for the control of mosquito larva, with individual applications ranging from 600 acres. Granular Larvicide to be applied at a rate of 3 to 10 lbs. per acre. Chemicals supplied by the City, cost to be on a per acre basis.

ACRES/APPLICATION COST PER ACRE @ APPLICATION RATE

	3 lbs.	5 lbs.	8 lbs.	10 lbs.
600-1,000	\$7.50	\$7.50	\$7.50	\$7.50
1,000-2,000	"	"	"	"
2,000-3,000	"	"	"	"
3,000-4,000	"	"	"	"
4,000-5,000	"	"	"	"
5,000-6,000	"	"	"	"
6,000-7,000	"	"	"	"
7,000-8,000	"	"	"	"

Aircraft Identification Number N647LA N2082J

Type of Aircraft Air Tractor AT-502 Cessna 188

Engine Horsepower 720 hp 310 hp

Air Speed Range 150 k 130 k

Tank Capacity 3000 lbs 820 lbs

Pump Type Transland Spreader

Pump Capacity N/A

Type Nozzle N/A

Number of Nozzles N/A

Operating Pressure N/A

Droplet Range N/A

Material per acre (output in ounces/acre) 3 to 10 lbs

Effective Swath Width Air Tractor - 85 ft Cessna - 60 ft

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3. **Mosquito Adulticiding Services (RURAL)**- 10,000 or more acres to be sprayed by air for the control of adult mosquitoes in rural areas, with individual applications ranging from 2,350 acres. Malathion to be applied ultra-low volume at a rate of 3oz/acre. Chemicals to be supplied by the City, cost to be on a per acre basis.

**ACRES/APPLICATION MALATHION APPLICATION RATE 3oz/acre ULV
 COST PER ACRE**

2,345 – 4,690	\$1.25
4,690 – 7,035	\$1.25
7,035 – 9,380	\$1.25
11,725- 14,070	\$1.25
14,070 – 16,415	\$1.25
16,415 and up	\$1.25

Aircraft Identification Number	N203DM	N40588	N27989
Type of Aircraft	PA23/250	PA23/250	PA31/350
Engine Horsepower	250 hp	250 hp	350 hp
Air Speed Range	165 k and 140 k		
Tank Capacity	175 gals and 75 gals		
Pump Type	Oberdorfer Positive Displacement Pump		
Pump Capacity	9 gal per min and 6.5 gal per min		
Type Nozzle	Micronair AU4000		
Number of Nozzles	2		
Operating Pressure	40 psi and 23 psi		
Droplet Range	20 - 30 VMC		
Material per acre (output in ounces/acre)	3.0		
Effective Swath Width	1000 ft		

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4. **Mosquito Adulticiding Services (RURAL) – 7,680 or more acres to be sprayed by air for the control of adult mosquitoes in rural areas, with individual applications ranging from 7,680 acres. Dibrom Concentrate to be applied at the ultra-low volume rate of ½ oz. per acre. Chemicals to be supplied by the City, cost to be on a per acre basis.**

**ACRES/APPLICATION DIBROM ULV: APPLICATION RATE ½ oz./acre
 ULV COST PER ACRE**

7,680 – 15,360	<u>\$0.82</u>
15,360- and up	<u>\$0.82</u>

Aircraft Identification Number N203DM N40588 N27989

Type of Aircraft Piper 23/250 Piper 23/250 Piper 23/250

Engine Horsepower 250 hp 250 hp 350 hp

Air Speed Range 165 k and 140 k

Tank Capacity 175 gals and 75 gals

Pump Type Oberdorfer Positive Displacement Pump

Pump Capacity 9 gals per min and 6.5 gals per min

Type Nozzle Micronair AU4000

Number of Nozzles 2

Operating Pressure 40 psi and 23 psi

Droplet Range 20 - 30 VMD

Material per acre (output in ounces/acre) up to 1.0 oz per acre

Effective Swath Width 1000 ft

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5. **Mosquito Adulticiding Services (EMERGENCY)** - 11,000 or more acres to be sprayed by air for the control of adult mosquitoes in populated areas (Within the Laramie City Limits). Biomist 4+4 (or similar permethrin based insecticide) to be applied at ultra-low volume rate of 3oz/acre. Chemicals to be supplied by the City, cost to be on a per acre basis. This application shall fall under 14 CFR- chapter I- part 137.51 and 14 CFR- chapter I- part 137. 53 rules for "Operation over congested areas", and the applicant must be able to fulfill all obligations pursuant to these rules. FAA pre-authorization of the congested area plan must be in place by June 15, 2015.

ACRES/APPLICATION BIOMIST 4+4 APPLICATION RATE 3oz/acre ULV	COST PER ACRE
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11,000-and up	<u>\$0.82</u>
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Aircraft Identification Number	<u>N203DM</u>	<u>N40588</u>	<u>N27989</u>
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Type of Aircraft	<u>Piper 23/250</u>	<u>Piper 23/250</u>	<u>Piper31/350</u>
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Engine Horsepower	<u>250 hp</u>	<u>250 hp</u>	<u>350 hp</u>
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Air Speed Range	<u>140 k</u>	<u>140 k</u>	<u>165 k</u>
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Tank Capacity	<u>175 gals and 75 gals</u>
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Pump Type	<u>Oberdorfer Positive Displacement Pump</u>
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Pump Capacity	<u>9 gal per min and 6.5 gal per min</u>
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Type Nozzle	<u>Micronair AU4000</u>
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Number of Nozzles	<u>2</u>
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Operating Pressure	<u>40 and 23 psi</u>
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Droplet Range	<u>20 - 30 VMD</u>
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Material per acre (output in ounces/acre)	<u>3.0</u>
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Effective Swath Width	<u>1000 ft</u>
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