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City Clerk's Office
Hiawatha City Hall
101 Emmons Street
Hiawatha, Iowa 52233

Memo

To: Mayor and City Council
From: Kelly Kornegor, City Clerk
Date: April 5, 2017
Re: Mosquito Control Services for the 2017 Season

The City Clerk's Office sent out requests for quotations to four companies as well as published a notice of bids for mosquito control services for the 2017 season. Two bids were received, one from Schendel Pest Control located in Marshalltown and one from Mosquito Control located in Rolfe. Note: Mosquito Control did provide an alternate bid for on call treatment sprays. (See attached bid matrix).

As a part of our bid request we asked that the companies not only bid for the summer city-wide spraying program including request spraying before community events such as concerts in the park and the Hiawatha Fun Fest, but we also asked the companies to bid an Integrated Pest Management Program if available.

As you know Mosquito Control of Iowa has been performing city wide mosquito control services in Hiawatha for at least 12 consecutive years. For the last five years, the city signed an agreement with Mosquito Control for an Integrated Pest Management Program at a cost of $20,000.00, including ground spraying, aerial surveying availability, integrated pest management, larvacide monitoring, adulticiding to control adult mosquitoes, several varieties of contact and residual spraying equipment, and up to eight to ten spraying treatments.

Mosquito Control of Iowa has kept their pricing the same for the last five years of service, they are extremely knowledgeable in the field of mosquito control, and have done a great job of providing mosquito control services in past years.

Schendel Pest Control does their city-wide spraying using a ULV (ultra low volume) machine from the back of a truck. They do not have various types of equipment and treatments or the ability to go into the parks and wooded areas.

Staff recommendation is to enter into a new agreement with Mosquito Control for a full Integrated Pest Management Program at a cost of $20,000.00 for the 2017 season.

Thanks for your consideration of this item. Let me know if you have any questions or concerns.

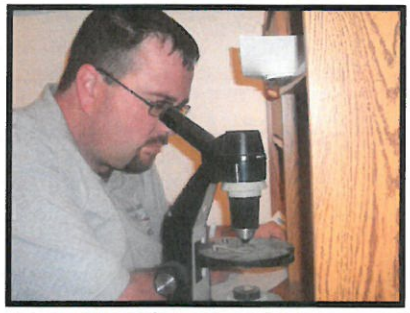
2017 Mosquito Control Bids

Company	Services	Pricing
Mosquito Control of Iowa located in Rolfe, Iowa	Four (4) on call adulticiding treatments, dates set up by the City. City wide spray ability. Use various equipment inlcuding Argos, ATV's, airplane, back packs, hand held electric sprayers, trucks and buffalo turbines.	**Price 4 treatments:** $15,500.00 **Additional treatments:** $4,000.00
Mosquito Control of Iowa located in Rolfe, Iowa	Integrated Pest Management Program: Surveying for mosquito breeding areas, larvaciding, monitoring and adulticiding. Combination of treatments based on NEPDES permit throughout the program season. Price includes spraying for City events.	**Full Program Price for 2017 Season:** $20,000.00
Schendel Pest Control located in Marshalltown, Iowa	Spraying done using ULV (ultra low volume) machine from the back of a truck.	**Spraying city wide:** $1,850.00 for each 30 miles of road including mobile home parks, $65.00 per additional mile. **Request Sprays:** $890.00 each

Enhanced Full Program Ground Mosquito Control Bid 2017

Integrated Pest Management

We utilize the IPM Program which combines all methods of mosquito warfare for the best possible control.



Survey

To evaluate potential mosquito breeding areas (i.e. areas where water will stand for over 5 days) using ground and aerial mapping.

Monitoring

Dipping: To know where the mosquito larva are hatching and to see population and the stage of the larva.

Bite counts and Light Traps: To see amount and species of adults and effects of spraying.

Weather Conditions: Rain and temperature to anticipate hatch and correlate sprayings to optimize the control.

Larvaciding

Larvaciding in stagnant water areas to control the mosquito in the larva stage will be performed during the program. In addition, trucks are equipped to larvacide while adulticiding.

Adulticiding

Contact Spraying: to control the adult mosquitoes when they are active usually done at night.

Residual Spraying: is used to lay down a barrier that will kill adult mosquitoes that come into contact with it. This barrier is effective for seven to ten days.

Contact Spraying Equipment

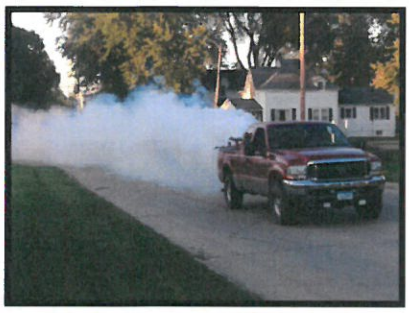
Aerial Application ULV Sprayer: Piper Aztec twin engine aircraft with state of the art application equipment designed for mosquito control. (used at MCI discretion)

Multiple trucks : TUG and ULV sprayers

TUG (Thermal ULV Generator): 1 - 1.5 micron droplet size for better penetration into larger blocks and dense foliage areas. Smaller droplet size means greater quantity of droplets produced, creating a greater chance of mosquito contact.

ULV (Ultra Low Volume) Sprayer: 15-18 micron droplet used when weather conditions are not favorable for the TUG units.

XUV (John Deere Gators) (for use in remote areas R.R. tracks, low areas, wooded areas, etc.)



Residual Spraying Equipment:

P3CWR (City-Wide Residual spraying system)

Deep penetration into foliage where mosquitoes will rest

Remote area coverage

Variable spray tips for a wide variety of spray coverage

RAS (Residual Alley Sprayer)

Used to spray habitat areas in alleys (shrubs, hedges, brush piles, etc)

Mounted on all ULV equipped trucks

ORLAS (Off Road Large Area Sprayer)

Used for large areas (parks, ball fields, etc)

Used prior to community events (holiday celebrations, appreciation days, carnivals, etc)

Program Description:

The city will receive a combination of treatments from the Integrated Pest Management treat ments through out the program season based on the NEPDES permit. Depending the weather and species of mosquitoes that we are encountering the treatments will be selected from the control methods to provide the city with the best results available.

City of: Hiawatha

Price: $20,000

Mosquito Control Of Iowa

402 Broad ST.

Rolfe IA. 50581

712-848-3295

www.mosquitocontrolofiowa.com

mosquito@iowatelecom.net

Date: 03/27/17

Signed: Matt Weber

Accepted by: _____

Date: _____

On Call Ground
Mosquito Control Bid 2017
For the city Hiawatha

Adulticiding

Contact Spraying: to control the adult mosquitoes when they are active usually done at night.

Contact Spraying Equipment

Multiple trucks : TUG and
ULV (**U**ltra **L**ow **V**olume) Sprayer: 15-18 micron droplet the comparable unit to other companies.

Program Description:

The city will receive 4 on call adulticiding treatments with ground on dates set up by the city. The city can also request additional treatments at an additional cost.

City of: Hiawatha

Price for 4 treatments: $15,500

Price for additional treatments: $4,000

Mosquito Control Of Iowa
402 Broad ST.
Rolfe IA. 50581
712-848-3295
www.mosquitocontrolofiowa.com
mosquito@iowatelecom.net

Date: _____

Signed: Matt Weber

Accepted by: _____

Date: 3/30/17

Schendel Pest Control
625 W. Lincoln Way
Marshalltown, IA. 50158
641/752-0986
Fax 641/752-8645
E-mail spc@mailmis.com

3/21/17

City of Hiawatha
101 Emmons St.
Hiawatha, IA. 52233-1697

Re: Mosquito Management Services

Thanks for the opportunity to present our mosquito services. Mosquito spraying is done with a ULV (ultra low volume) machine from the back of a truck. The product being used is Sumithrin a synthetic pyrethroid. Natural pyrethrin comes from the chrysanthemum flower. A copy of the label is available.

We try to cover all accessible alleys and streets as well as any city park or recreation area.

The cost is $1850 for each 30 miles of road including the mobile home parks, then $65 per mile after that.

The cost for any request spraying would be a minimum of $890 per request.

Feel free to contact us with any other questions.

Thank you,
Bill Schendel

Thank you,

DRAFT

RESOLUTION NO. 17-
City Council

RESOLUTION AWARDING CONTRACT
2017 MOSQUITO CONTROL

WHEREAS, the City of Hiawatha received quotations from two (2) qualified companies to perform mosquito control services for the 2017 season as follows:

Mosquito Control of Iowa: Full Integrated Pest Management Program including ground and aerial surveying (used at discretion), integrated pest management, larvacide monitoring and up to eight to ten treatments at a rate of $20,000.00 for the 2017 season; company also bid cost for four adulticiding treatments and request spraying, and

Schendel Pest Control: Spraying done with ULV (ultra low volume) machine from the back of a truck at a rate of $1,850.00 for each 30 miles of road including mobile home parks and $65.00 per additional mile; $890.00 per spray request spraying, and

WHEREAS, Funding in the amount of $20,000.00 has been budgeted in the General Fund for the 2017 mosquito control services and purchase of the full Integrated Pest Management program as presented by Mosquito Control will allow for greater mosquito control measures throughout the City while also allowing Staff to remain within budgeted funding, and

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to extend a contract for mosquito control services with Mosquito Control of Iowa of Rolfe, Iowa at a cost of $20,000.00 for a full Integrated Pest Management program including ground surveying (also have ability to do aerial surveying), integrated pest management, larvacide monitoring, adulticiding, and up to eight to ten treatments for the 2017 season including event spraying.

BE IT FURTHER RESOLVED to authorize proper City Officials to secure appropriate insurance certificates and sign contract agreement.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 5th day of April, 2017.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kari Graber, Deputy Clerk