

“SOLE SOURCE” PROCUREMENT JUSTIFICATION

Sole source purchases are goods and services available from only one vendor. There may be just one vendor because of patents or copyrights or simply because the vendor is the only one which supplies the good or service. Using Department must provide a written explanation as to why only this particular product/service is acceptable and why no other will be suitable or acceptable to meet the need. A quote must accompany this form.

Department name: Facilities / Vector

1. Name of product or service: DUET Pesticide
2. Name of product manufacturer: Clarke Mosquito Control
3. Name of “sole” product supplier or service provider: Clarke Mosquito
4. Describe in general terms the product/service you are requesting and the intended application. The product Duet has been used by DAC Vector in past seasons. The product gives excellent suppression in high numbers of adult mosquitoes. This pesticide is loaded into one or two trucks to supplement other lower-cost pesticides. Duet has been sprayed in areas of active West Nile occurrence as needed.
5. Describe the unique features/capabilities/characteristics that distinguish it from other products/services. This product is a dual mode, two active pesticides which overcome pesticide resistance. Vector Control staff have conducted landing counts after spraying and observed the falling mosquitoes and near-total suppression with this product.
6. How did you determine there was only one source for the product or service? Provide information on the research that was performed to locate suppliers for this product(s) or service(s). (Please furnish names, addresses and other documentation). I conducted an internet search using the pesticide’s active ingredients with mosquito control. The only vender that was listed was Clarke.
7. What product supplier or service provider has your Department used until now to satisfy similar requirements? Clarke Mosquito Control.



Signature of Department Head

5.2.23

Date

(Attach Quote and Use Additional Sheets As Necessary)

**This form is used by Purchasing Department to determine if a "Sole Source" procurement criterion is met.
Completing this form does not guarantee approval of this type of procurement.



QUOTATION

B Dona Ana County (039521)
I Don Bullard
L 845 N Motel Blvd
L
T Las Cruces, NM 88007-8100
O 575-525-5928

S Dona Ana County
H
I 101 Del Monte
P
T Las Cruces, NM 88001
O

Address ID: 000001

Quotation #	Quote Date	Salesperson	Written by	Valid to
0002030692	04/27/23	Doug Carroll	Angie Gaul	10/31/23
Delivery Method		Terms		
Best Way		Net 30 Days		
Item #	Item Description	Qty Ordered	Unit Price	Extended Price
11780-2.5	DUET 2.5 GAL	46 ea	524.2600/ ea	24,115.96
11575-2.5	ENVIROTECH ULV DIL OIL 2.5 GAL	92 jug	63.7500/ jug	5,865.00
Order Total				29,980.96
Total				29,980.96

* For your convenience we also accept Visa and MasterCard

Clarke will charge applicable sales taxes unless a valid exemption certificate is Emailed to: accountsreceivable@clarke.com or faxed to: 630-672-7439

* A 15% restocking fee plus freight costs may be assessed to any returned items.
Items must be returned within 120 days of shipment and in an acceptable condition.

January 1, 2023

Dear Sir or Madam:

This letter serves as confirmation that Clarke Mosquito Control is MGK's exclusive distributor for the following products in the United States for 2023:

AquaDUET™	EPA Reg. No. 1021-2562-8329
DUET™	EPA Reg. No. 1021-1795-8329
DUET™ HD	EPA Reg. No. 8329-105

These products contain proprietary active ingredient(s) and unique formulation technology that gives the products superior performance. We have a long history of working with Clarke in this market. We find this arrangement gives us the best chance to reach customers with the support necessary to serve this market. Please let MGK know if you should require further details.

Sincerely,



Michael Burkett
Director of Sales - MGK





Municipalities are encouraged to share this information
with all residents in their community

“Duet Dual-Action[®] Adulticide”

This **Fact Sheet** answers some basic questions about mosquito control products in use in your county. The Monmouth County Mosquito Control Division, along with several other resources (listed at the end of this sheet), can provide more detailed information.

What is *Duet Dual-Action[®]* adulticide and how is it used?

Duet Dual-Action[®] contains two pesticides called ***Prallethrin*** and ***Sumithrin***, and a synergistic compound called ***piperonyl butoxide*** which increases the effectiveness of the pesticides. Prallethrin and Sumithrin are members of a category of pesticides called ***pyrethroids***, which in turn are synthetic versions of pesticides produced by plants called ***pyrethrins***. Pyrethroid/piperonyl butoxide mixtures have been recommended for Ultra-Low-Volume (ULV) mosquito control in New Jersey by Rutgers, The State University of New Jersey. The U.S. Environmental Protection Agency's (EPA) current evaluation considers pyrethroid-containing products to be slightly toxic with minimal potential risk to people when used properly as part of an integrated mosquito control program.

This pyrethroid-containing product is used for the control of adult mosquitoes. While habitat management and measures to control immature mosquitoes in water are preferred and most used, the spraying of adult mosquitoes is called for when biting populations reach critical levels or when a disease organism is present in adult mosquitoes. A very fine mist is sprayed into the air since flying mosquitoes must directly contact the pesticide in order for it to be effective. The combination of the two pesticides has been shown to produce what the manufacturer calls 'benign agitation'. In other words mosquitoes are agitated from a resting state to a non-biting flying state where they are more vulnerable to pesticide exposure. This makes *Duet Dual-Action[®]* adulticide more effective against hard-to-control species like *Aedes albopictus* which typically rest during the evening hours when adulticiding usually takes place.



How can I reduce my exposure to *Duet Dual-Action*®?

Because of the very small amounts of active ingredients released per acre, the risk to the general public from the use of pyrethroid-containing products is minimal. Avoiding exposure is always the safest course of action. Any possible exposure risk can be reduced by following some common sense actions:

- Pay attention to notices about spraying found through newspapers, websites, automated telephone messages or distributed by municipal, county or state agencies.
- Plan your activities to limit time spent outside during times of possible pesticide treatments.
- Move your pets, their food, and water dishes inside during ULV application. Also bring clothing and children's toys inside.
- Stay away from application equipment, whether in use or not.
- Whenever possible, remain indoors with windows closed and with window air conditioners on non-vent (closed to the outside air) and window fans turned off during spraying.
- Avoid direct contact with surfaces that are still wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to *Duet Dual-Action*®?

Symptoms of over-exposure can include irritation to skin and eyes, respiratory and nasal irritation, irritability to sound or touch, abnormal facial sensation, sensation of prickling, tingling or creeping of skin, numbness, headache, dizziness, nausea, vomiting, diarrhea, excessive salivation, and fatigue. The chance of experiencing these symptoms of over-exposure with proper use is low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (NJPIES) at 1-800-222-1222 if you experience these symptoms following a pesticide spraying.



How long will *Duet Dual-Action*[®] last in the environment?

Pyrethroids have a soil half-life of 12 days. They have an extremely low pesticide movement rating because they bind tightly to the soil. Pyrethroids are unstable in light and air. They rapidly degrade in sunlight at the soil surface and in water. Piperonyl butoxide has a soil half-life of approximately 4 days.

Where can I get more information on this adulticide?

The following are resources for more information regarding *Duet Dual-Action*[®] and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information
9:30am to 7:30pm:

National Pesticide Information Center **800-858-7378**

For pesticide health information
& possible exposures – 24 hours:

**New Jersey Poison Information
& Education System** **800-222-1222**

For pesticide regulation & misuse complaints:

NJDEP Pesticide Control Program **609-984-6507**

For pesticide regulation:

USEPA Region 2 Office of Pesticide Programs **877-251-4575**

For state-wide mosquito control information:

NJDEP Office of Mosquito Control Coordination **609-292-3649**

For mosquito control recommendations:

Rutgers University, Department of Entomology **732-932-9774**

For local mosquito control information:

Monmouth County Mosquito Control Division **732-542-3630**

For health related pesticide information:

The Monmouth County Health Department **732-431-7456**