

Operating Instructions



Mosquito 'Cognito'® Dispenser

April 2001
Revision 03

Mosquito Solutions
15025 Kimberley Ct.
Houston, Texas 77079
281-556-6699
www.mosquitosolutions.com
A BioSensory, Inc. Product

Table of Contents

Thank You!.....	1
Mosquito 'Cognito dispenser Placement	2
How Mosquito 'Cognito dispenser Works	2
Mosquito 'Cognito dispenser Operation.....	2
Replacing Conceal™ Inhibitor Cartridge	3
Replacing AA Alkaline Batteries	4
Specifications	4

Thank You!

Your Mosquito 'Cognito dispenser is enclosed. Please carefully read these instructions. They tell you the best way to use the Mosquito 'Cognito dispenser.

The key to Mosquito 'Cognito dispenser's extraordinary power is the way it turns the insects' keen sense of smell and poor eyesight against them. Mosquitoes and biting flies have an amazing sense of smell. They can detect your scent from up to 100 m (300 ft) away. But mosquitoes have very poor eyesight. The visual range of mosquitoes is approximately 10 m (30 ft), and they are attracted to the motion of people or animals within this radius.

When mosquitoes detect your scent they immediately fly toward you even though you are well beyond their visual range. That's where Mosquito 'Cognito dispenser comes in. Place Mosquito 'Cognito dispenser where people congregate. Everywhere the wind carries your scent it also carries Mosquito 'Cognito dispenser's patented Conceal™ inhibitor - which blocks mosquitoes ability to track your scent! If they can't smell you they can't get close enough to see you. If they can't see you they can't bite!

Mosquito 'Cognito is not a repellent! Mosquito 'Cognito dispenser releases Conceal™ inhibitor that attacks the insects' keen sense of smell by blocking the sensory receptors for host-odor. With their scent-tracking ability impaired, biting insects have difficulty finding people or animals - especially those in the immediate vicinity of a Mosquito 'Cognito dispenser. The difference between an inhibitor and a repellent is important. Insects may avoid foul smelling repellents, but that does not stop them from tracking down another target somewhere else. Mosquito 'Cognito makes it hard for them to track down anything.

The 'Cognito is one part of the Dragonfly System®. The Dragonfly System® is designed to provide defense in-depth. Our Dragonfly® product contains a powerful mosquito attractant that draws biting insects away from you and kills them, and the Mosquito 'Cognito makes it difficult for biting insects to find you. Use Dragonfly and Mosquito 'Cognito dispenser® together for maximum effectiveness. Visit us on the Internet at www.mosquitosolutions.com for more information.

Mosquito 'Cognito dispenser Placement

Always place Mosquito 'Cognito dispenser where people congregate. As a rule of thumb, use one Mosquito 'Cognito dispenser for gatherings of up to five adults. Use more for larger gatherings. Satisfactory results depend on the number of people you want to protect and the severity of the local mosquito population. Experiment to find the number of Mosquito 'Cognito dispensers that are right for you.

How Mosquito 'Cognito dispenser Works

1. Mosquito 'Cognito dispenser is activated by pulling the top and bottom halves apart until they click into the ON position. This opens the dispenser and activates a battery-powered fan that discharges Conceal™ inhibitor.
2. Push the top and bottom halves together until they click into the OFF position. This turns off the fan and seals the dispenser



Figure 1
Mosquito 'Cognito dispenser

Mosquito 'Cognito dispenser Operation

Pull the top and bottom halves of the Mosquito 'Cognito dispenser apart until they click into the ON position. See Figure 1. This action opens intake and discharge vents, and activates a battery-powered fan. Air is drawn through intake vents into the dispenser where it travels vertically upward to the mouth of the cylindrical fan housing. The low velocity, upward airflow removes most dust and dirt particles from the airstream. The fan and cylindrical housing then force clean air down into the bottom half of the dispenser, where it passes over the fan motor and batteries before encountering the Conceal™ inhibitor cartridge. Bathing the motor and battery compartment with clean air prolongs the life of the electrical contacts. The airstream contacts the center of the Conceal™ cartridge and travels radially across the surface to discharge vents around the periphery. The Conceal™ inhibitor enters the airstream passing over the surface of the cartridge and is discharged with it.

Push the top and bottom halves of the Mosquito 'Cognito dispenser together until they click into the OFF position. This action disconnects power to the fan and closes the intake and discharge vents, conserving both batteries and Conceal™ inhibitor.

When in the OFF position the batteries and the inhibitor are protected from minor showers, however, take care to protect the 'Cognito from heavy downpours and do not clean it with water sprays or the like.

Replacing Conceal™ Inhibitor Cartridge

1. Push the halves of the Mosquito 'Cognito dispenser together to snap into the OFF position.
2. Turn the Mosquito 'Cognito dispenser on its side to gain access to the Conceal™ inhibitor cartridge in the bottom of the dispenser. Remove the old Conceal™ cartridge by grasping the finger-holds on the bottom of the cartridge and turning counter-clockwise. The cartridge will rotate a few degrees and stop. Remove finger pressure and the cartridge will fall into your hand.
3. Remove the seal from a new Conceal™ inhibitor cartridge. Insert it into the bottom half of the Mosquito 'Cognito dispenser, aligning the locking tabs on the cartridge with the mating recess in the dispenser housing. Use the finger-holds on the bottom of the cartridge to rotate it clockwise a few degrees until it locks into place.

The Mosquito 'Cognito dispenser is now ready for use.

Replacing AA Alkaline Batteries

1. Push the halves of the Mosquito 'Cognito dispenser together to snap into the OFF position.
2. To gain access to the battery compartment, remove the Conceal™ inhibitor cartridge. Turn the Mosquito 'Cognito dispenser on its side to gain access to the Conceal™ inhibitor cartridge in the bottom of the dispenser. Remove the Conceal™ cartridge by grasping the finger-holds on the bottom of the cartridge and turning counter-clockwise. The cartridge will rotate a few degrees and stop. Remove finger pressure and the cartridge will fall into your hand, exposing the battery compartment.
3. Remove the two AA alkaline batteries and replace with fresh batteries.
4. Insert the Conceal™ inhibitor cartridge into the bottom half of the Mosquito 'Cognito dispenser, aligning the locking tabs on the cartridge with the mating recess in the dispenser housing. Use the finger-holds on the bottom of the cartridge to rotate it clockwise a few degrees until it locks into place.

The Mosquito 'Cognito dispenser is now ready for use.

Specifications

Component	Specification
Batteries	Two AA alkaline batteries provided. Life: in excess of 720 hours (30 days continuous)
Conceal™ inhibitor cartridge	One provided. Life: 360 hours (15 days continuous)
Housing	Durable, UV stabilized resin. Closes to conserve batteries and inhibitor, and protect motor form rain.
Motor	Silent operation. Efficient axial flow fan.