

## TEST FOXYL BRACELETS MOSQUITOES REPELLENT, ECO & BIO



### **Test Objective**

- Highlight the effectiveness of anti-mosquito bracelet real condition
- Confirm laboratory testing laboratory
- Validate and verify that the current presentation in the form of bracelet is well accepted by the subjects to be protected without any resistance
- Confirm the time of effectiveness under real exposure conditions

### **Methodology of the test:**

- ✚ The test is conducted in Senegal in Dakar on 15 July 2005 to 30 September 2005 in Casamance and of 20 July 2005 to 30 September 2005.
- ✚ The areas chosen for testing are particularly exposed to mosquitoes:
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  - residential area "Patte d'Oie" near a marshy bottom



- East of town "Sally" houses without sanitation and flooded in the rainy season
- "Konquésile", along a dead arm of the Casamance River
  
- + The test is performed with the help of 30 volunteer families, only one Bracelet is distributed by family, to highlight the effectiveness of the protection of mosquito repellent bracelet compared to unprotected subjects without changing the lives mode and habits of the testers.
  
- + Living conditions, food, habitat and exposure to mosquitoes are identical in the same family living in the same house
  
- + Test duration : 45 days

### **Climate during the test period::**

- + The test is performed during the wintering period also called "rainy season". The rainfall over Senegal were higher than in previous years reaching a new record. The city of Dakar was almost flooded involving labor and government efforts in the field of sanitation of rainwater.
  
- + The weather was very wet and the temperatures varied from 35 to 45 ° C
  
- + The Casamance River has experienced a maximum flow during the rainy season
  
- + Mosquitoes are present in huge quantities before sunset until about 7 am

### **Test results and observations:**

#### **People protected with the bracelet**

- + No sting recorded on the subjects protected by mosquito bracelet. Wearing the bracelet has been accepted by holders, no reluctance in wearing the bracelet, not skin allergy
  
- + The testers slept shirtless without mosquito net despite the buzzing of mosquitoes present in the room
  
- +



- ✚ The testers noticed that sometimes the mosquito lands on their skin and leave without bite.
- ✚ Early morning testers are well rested, fresh and available to go about their business

### **People unprotected, without bracelets**

- ✚ The subjects did not have net (normal condition) and slept in the same conditions as protected subjects.
- ✚ We noticed many mosquitoes bites mainly located around the joints (elbows, wrists, ankles) and also the head. Some bites melts through clothes
- ✚ We counted an average of counts of 10 to 25 stitches per night per person
- ✚ In the morning testers are half awake and have not benefited from a good night's sleep. A Palud crisis was observed on a tester during the test

### **Conclusion :**

The tests performed in laboratories are confirmed without restriction by the tests in real conditions of exposure to mosquitoes

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**JJM, Research and Development Director**