The Altosid Family
LARVICIDE FORMULATIONS

- Altosid XR Briquets
- Altosid 30 Day Briquets
- A.L.L. Concentrate (SR20)
- A.L.L. (SR5)
- Altosid Pellets
- Altosid SBG Granules
- Altosid XR-G Granules
- Altosid WSP
Altosid

Equals

Prevention
What does this mean to you as the applicator?

- You can treat areas that will support mosquito breeding when flooded and be confident that adult development will not occur for 7 days or more.
Altosid Equals Efficiency
What this means to you as the applicator is:

You can treat critical mosquito breeding locations knowing that these areas will not present a problem for 7 days or more and then move on to other issues or areas that need attention.
Altosid Equals Labor Cost Savings
What this means to you is:

- That since labor is a mosquito control agency’s largest expense, using products that last a week or more keeps technicians from repeatedly treating the same areas and allows them to focus on other areas or issues.
Altosid Develops Confidence
What this means to you is:

- You can use Altosid products and know that they will perform for a week or even months without you having to repeatedly check the areas to evaluate results.
Introducing...

Zenivex™

Mosquito Adulticide from Central Life Sciences, the makers of Altosid®, a trusted name in mosquito control.
Etofenprox

Mode of action

- Similar mode of action to traditional pyrethroids

- Sodium channel blocker
  - Hence the broad spectrum of activity

- Contact or ingestion toxicant

- Quick, permanent knockdown
Etofenprox Toxicology

- Very low mammalian toxicity
- Low avian toxicity
- As with pyrethroids, mindful of fish and freshwater invertebrates
- EPA classifies it as reduced risk pesticide for mosquito control
COMPARITIVE ACUTE TOXICITIES

Larger value = Less toxicity

Oral LD$_{50}$ (mg/kg) Rat

- Caffeine 335
- Naled 435
- Pyrethrins 1500
- Salicylic acid 1600
- Sodium chloride 3000
- Resmethrin 4240
- Methoprene >34560
- Etofenprox >42,880
Zenivex formulation

- 1.5 lb. Etofenprox per gallon
- 20% Etofenprox by weight
- Oil based formulation for ULV: neat or diluted applications
- No synergist, that is, no PBO
- Packaging will be 2.5 and 30 gallon containers.
- 30’s will be closed loop returnable/refillable
- RTU formulation in 2010
Zenivex Label Highlights

- Application rates: 0.00175, 0.0035, 0.007 pounds etofenprox per acre
- Aerial, vehicle mounted ground, or hand applied applications
- Droplet range for ground is 10-30 microns
- Droplet range for aerial <60 microns
- No aquatic set backs
- Signal word: Caution
We Thank You For Your Business!
Altosid 30 Day Briquets
Altosid XR Briquets
ALTOSID XR BRIQUETS APPLICATION SITE
Storm Drains
Altosid® XR “ingot” briquet.
Catch Basins
Altosid Liquid Larvicide
Altosid A.L.L.

- Woodland pools & meadows
- Ricefields
- Dredge spoil sites
- Other man made depressions
- Manufacturing Altosand
Floodwater Sites
Altosid Pellets
Retention Ponds
Floodwater Sites
Altosid WSP
Catch Basins
Meadows
Retention Pond with Cattails
Altosid SBG
Single Brood Granule
Temporary Breeding Sites
Temporary Breeding Sites
Tidal Salt Marshes
Why do I need all these formulations?

What does having all these formulations mean to YOU?
QUESTIONS ?

www.arionauro.com.br