



What's Buzzing

- Newsletter for Mosquito Control Professionals

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What is FFAST™ ?

The Challenge:

- Develop a formulation for ULV using water but one that will not evaporate quickly like standard EC formulations.

The Benefits:

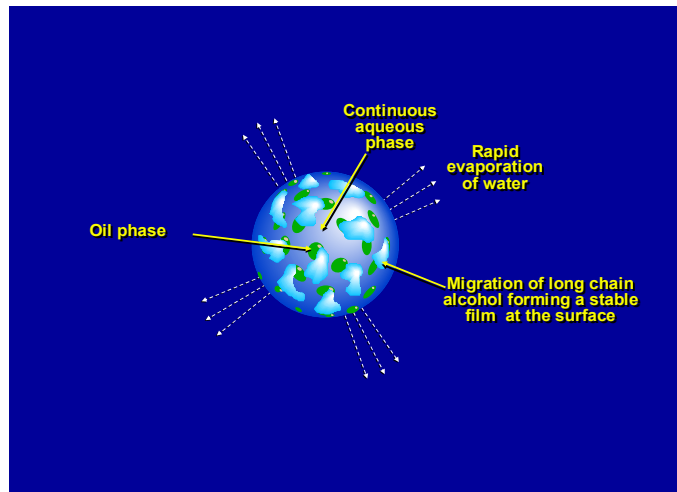
- Water is friendlier to the environment.
- Water is better for workers since it prevents the practice of diluting with oil.
- Water requires no storage since in use with the FFAST Injector mixing is completed only when spray units are filled.
- Water is less expensive than oil when used as a diluent.

The Answer: FFAST

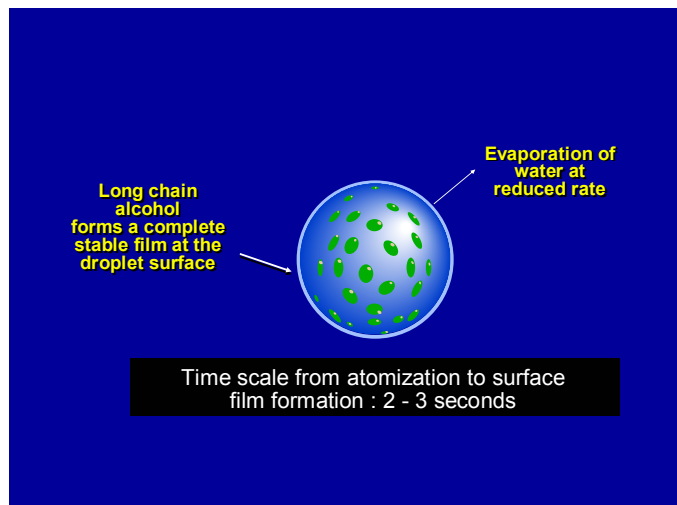
FFAST stands for **Film-Form Aqueous Spray Technology**. This patented technique that allows water droplets to behave as oil droplets. It is currently available only in Bayer **Aqua-Reslin®**.

FFAST formulations use long-chain alcohol molecules to form a protective film around each **Aqua-Reslin** droplet as it leaves the nozzle of ULV sprayers. This film makes droplets highly resistant to evaporation, so they maintain their optimum size while moving through the target zone effectively killing mosquitoes.

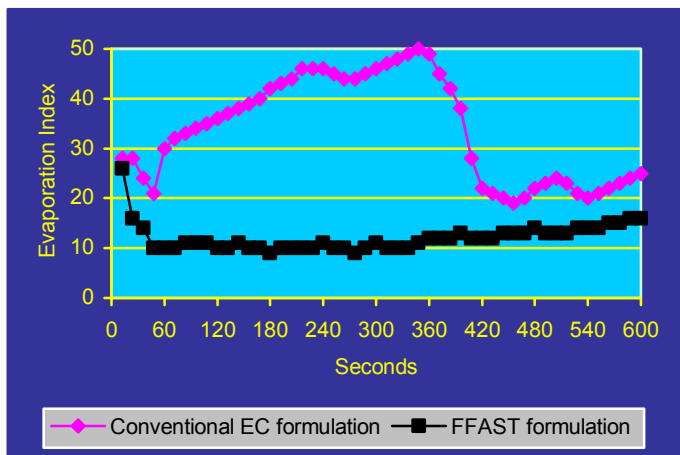
Below is the sequence of events for a single droplet in a **FFAST** formulation from Bayer.



Migration of long-chain alcohol to the surface.



Long-chain alcohol forms a complete stable film at the droplet surface.



Evaporative rate of suspended droplets at 95° F and 30% RH.

After more than 10 years of research, demonstration trials and use in mosquito control programs, **Aqua-Reslin** has proven to be a valuable tool in adulticide programs.

