

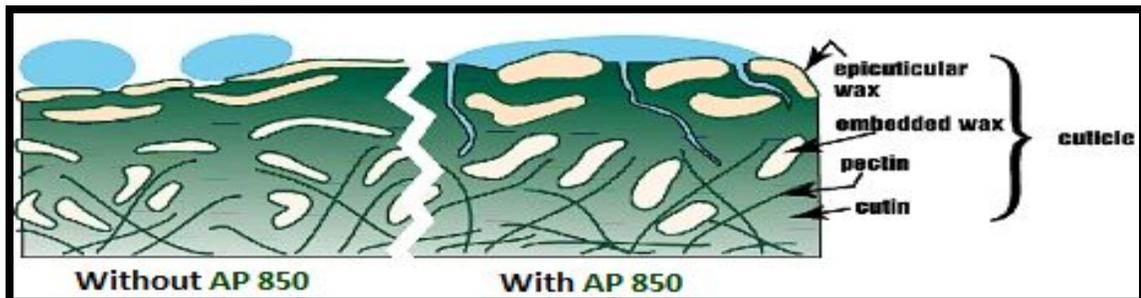


AP 850



★ **Carrier** ★ **Surfactant** ★ **Penetrant** ★ **Acidifier** ★ **Spray Coverage Aid** ★

Agri+Plus AP 850 is a non-ionic general purpose buffering agent and surfactant for use on plants to improve the effectiveness of insecticides, herbicides, fungicides, and defoliants. It works by preventing alkaline hydrolysis—the process of water breaking apart chemical bonds. **AP 850** provides a more uniform coverage without excessive run-off of the spray; increases contact activity, and aids in plant absorption.



Agri+Plus AP 850 is a proprietary blend of 4 different components

- 1) **Alkyl Aryl Polyoxyethylene Glycols**- This will serve the purpose of your **Surfactant**; the primary purpose of the Glycols is to reduce the surface tension of the spray solution to allow more intimate contact between the spray droplet and surface. AP 850's Glycol will lower the surface tension of water to that of an oil or solvent which spreads more readily than water.
- 2) **Tricarboxylic Acid**- This will serve the purpose of your **Acidifier and buffering agent**, by using 8oz. in 100 gals. of water the pH will drop approximately 1 point. Buffers and acidifiers are adjuvants that lower the pH of the water in the spray tank. If the pH in the spray tank rises above 7 the pesticide can break down due to alkaline hydrolysis. Buffers tend to stabilize the pH at a relatively constant level.

A *Harvey's* Product



AP 850



- 3) **Naphthalene Sulfonate**- This will serve the purpose of your **Spray Coverage Aid and Drift Suppressant**; drift is a function of droplet size. Drift retardants and coverage aids improve on target placement of the pesticide spray by increasing the average droplet size.
- 4) **Methylene Ureas**- This will serve the purpose of your **Carrier and Penetrant**, which enhances a liquid's ability to penetrate plant roots, leaves, and stems. Systemic herbicides and some translocatable fungicides can have their activity increased as a result of enhanced penetration.

Can your surfactant do that?

A *Harvey's* Product