



**'HOOK is More' than a One-Dimensional adjuvant.**

CL#34

**'HOOK' in a Spray Tank is the 'All-In-One adjuvant'.**

An **adjuvant** is broadly defined as **any** substance added to the spray tank, (separate from the pesticide formulation) that will assist in improving the performance of the pesticides, herbicides, fungicides, insecticides etc.

**Many adjuvants used in spray tanks are generally one-dimensional---doing only one thing!**

They are usage specific in that they assist the pesticide in getting **to** (drift control) the target site on the plant **or** once the pesticide ( active ingredient or ai) reaches the site the adjuvant then does what it is designed for...enhancing the effect of the pesticide by using the adjuvants specific property....spreader, penetrator, etc. Many times not only do you have to add many adjuvants individually to a spray tank to get its effectiveness with the pesticide...but you must check for compatibility too!

**HOOK adjuvant has all of the properties listed below, in one product.**

- **HOOK** is the only polymer blend product out there designed with surfactants, activators, penetrants, stickers, deposition aid's and drift control built into one product. No other product is designed like this.
- **HOOK's** effective since it is sprayed on and into the canopy, thereby placed onto and under leaf surfaces. This is so important because **HOOK's** formula allows for the ideal spray droplet size to get effective control for the pesticide. This has been proven and is widely accepted in the field.
- **HOOK** can be used in chemigation in pesticides on all crops, fruit trees, nursery stock and Christmas trees.

**Spray adjuvants most commonly used by function**

- A **Wetting agent adjuvant** in the pesticide solution is just that...a wetting agent to wet plant surfaces, keep the spray solution from separating into droplets and wet evenly. **HOOK has it.**
- A **Spreader adjuvant** is designed to spread the spray solution on the leaf surface more thoroughly and is used in combination with wetters and stickers. **HOOK has it.**
- A **Sticker adjuvant** does just that....sticks the spray solution onto a plant leaf surface to assist in keeping the pesticide (ai) on it and not run off. **HOOK has it.**
- An **Activator adjuvant** combines with the pesticide (ai) to enhance the pesticide's potential for its activity. **HOOK has it.**
- A **Penetrator adjuvant** in the spray tank assists the pesticide to enter the stomatic entry-way and the leaf surface plasma-membranes also acting as a humectant (keeps spray moisture there longer for more effective penetration). **HOOK has it.**
- A **Deposition adjuvant** is one that assists in effectively depositing the pesticide spray solution on not only the top but also the underside of the leaf surface, throughout the canopy. **HOOK has it.**
- A **Drift Control adjuvant** is one that has spray droplets to not only stay within the target field area during application through particle size uniformity, but also allows those particles to penetrate deep into the lower canopy that are the most difficult to reach. **HOOK has it.**

**HOOK added to the spray tank does all of the above. Proven---- true and effective.**

**Remember to 'ADD HOOK LAST'.**

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