



ADJUVANCE NI

PENETRANT, SURFACTANT, ACIDIFIER, DRIFT CONTROL AGENT

- **Increases Uptake of Foliar Fertilizer**
- **Manages Spray Droplet Size**
- **Reduces Surface Tension of Pesticide Sprays**

PRINCIPAL FUNCTIONING AGENTS:

F1521

Methylacetic acid, Alhyl polyoxyethylene, and Phosphatidylcholine 80%
 Constituents Ineffective as Spray Adjuvant 20%
 Total 100%
 CAS #37281-78-0, 9003-11-6

PRODUCT SPECIFICATIONS:

Weight per gallon 8.64 lbs.
 Weight per Liter 1.03 Kg
 pH @ 20 deg C 2-3

PRODUCT DESCRIPTION:

AdjuVance is a non-ionic penetrant, blend of soy oil (lecithin oil), propionic acid and a surfactant that will enhance the performance of pesticides. In addition it is an acidifier when applying pesticides to avoid alkaline hydrolysis. Used for drift management, AdjuVance reduces the surface tension of water / spray droplets which increases the pesticide coverage. It increases the foliar uptake of N-P-K fertilizers for better nutrient absorption. It is compatible with all liquid and soluble fertilizers, herbicides, pesticides, fungicides, and absorbent gels. It can be applied to a wide variety of crops including fruits, vegetables, citrus, row crops, forage, vines and other non-crop plant materials.

AdjuVance is a multipurpose adjuvant which is composed of natural surfactants and penetrants derived from soyabean oils. These are combined with propionic acid to produce a penetrant, surfactant, acidifier for use with herbicides, insecticides, fungicides, foliar fertilizers and plant growth regulators. The unique properties of AdjuVance enhance the uptake of many systemic herbicides, allowing them to effectively penetrate into leaves, without causing damage to non-target crop plants.

AdjuVance also acts as an acidifier which will reduce pH, in most cases to between 4 and 5. This reduces losses due to alkaline hydrolysis and also assists with the uptake of weak acid herbicides.

AdjuVance will reduce the number of fine droplets produced by flat fan nozzles, without increasing the number of large spray droplets. AdjuVance will reduce drift potential; fine droplets associated with, but not eliminate, off-target movement of the pesticide being used. This is contingent upon good agricultural spraying practise and appropriate nozzle choice. DO NOT use in situations that are conducive to drift.

- **Acidifying and Penetrant Surfactant**
- **Increases Herbicide Penetration**

Application Rates per 100 gallons of Spray		
	Application	Rate
Acidifying Agent	Highly alkaline (pH 8 or higher) Mildly alkaline (pH 6.5 to 8)	8 - 16 oz. per 100 gal. water 4 - 8 oz. per 100 gal. water
General Use	Herbicides, Defoliants, Desiccants	1 -4 pints per 100 gal of spray mixture
	Insecticides, Fungicides, Acaricides, Plant Growth Regulators, Foliar Nutrients	1/2 - 2 pints per 100 gal of spray mixture
Drift Reduction	1 - 2 quarts per 100 gal. of spray mixture	
Turf and Ornamentals	1 -4 pints per 100 gal of spray mixture. (1 - 3 oz per 5 gallons water)	

DIRECTIONS FOR USE:

AdjuVance can be mixed in spray tank with water. Can be applied by ground or arial spray.

Add required amount of AdjuVance followed by recommended amount of pesticide or foliar fertilizer. Keep agitation on when adding and top tank with required amount of water. Agitate during spray application. Do NOT mix with copper products.

STORAGE & HANDLING:

Storage: Store in original container in a cool, dry, well ventilated area. Store in original container. Keep tightly closed. All Growth Products can be stored in normal warehouse areas. Keep from freezing.

MIXING:

The following mixing procedure should be followed. Add products to mix in this order, with appropriate amounts, according to label directions. Be sure each product is mixed well before adding the next.

1. Fertilizers and micronutrients
2. Wettable powders, dry flowables
3. Flowables

4. Water soluble pesticides
5. Emulsifiable concentrates

Be sure to agitate during each addition.

6. Add AdjuVance and mix for 1 - 2 minutes at lower speed. may foam with agitation. To reduce foaming maintain minimal agitation. Apply all of mixture within 24 hours. Always use a jar test before mixing pesticides and fertilizers in your tank.

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.
You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).	
STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.	

The following precautionary, hazard statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H316 Causes Mild Skin Irritation
H320 Causes Eye Irritation

Condition of Sale and Warranty: G.P. Solutions, LLC warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of G.P. Solutions, LLC and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. **IN NO CASE WILL G.P. Solutions, LLC OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

Manufactured By:

