



Acidifier/Penetrant/Surfactant/Drift Control Agent

AD-BUFF™

SPECIMEN

PRINCIPAL FUNCTIONING AGENTS:

Phosphatidyl Choline, Propionic Acid and Alkylphenol Ethoxylate	82.5%
Constituents Ineffective as Spray Adjuvants	17.5%
TOTAL	100.0%

All ingredients are exempt from the requirements of a tolerance under 40 CFR 180.

WA Reg. No. 7001-05001

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS: DANGER - Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. **Personal Protective Equipment:** Wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, shoes plus socks when mixing or applying PHT Ad-Buffer.

NOTE: Read and follow all label directions and cautions on all products used.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

GENERAL INFORMATION

AD-BUFF™ is a nonionic low foam surfactant, which may be used with herbicides, insecticides, fungicides, acaricides, defoliants, desiccants, plant growth regulators, and foliar nutrients to enhance their effectiveness in the plant. Ground or air applications are applicable.

AD-BUFF™ may be used as an acidifying agent to prevent alkaline hydrolysis. Alkaline sensitive pesticides may be susceptible to pesticide degradation via alkaline hydrolysis or high pH conditions.

AD-BUFF™ also adds surfactant qualities by reducing surface tension which assists in better wetting and spreading, enhancing penetration of the pesticide spray solution into the plant.

AD-BUFF™ produces a uniquely uniform droplet spectrum, resulting in greater deposition and even coverage on targeted plant surface. **AD-BUFF™** also add drift control properties by reducing driftable fines while improving deposition in pesticide spraying. The decrease in fine droplets can vary with the types of pesticide formulations and application conditions. Good judgement and sound application technology must always be followed when spraying pesticides.

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DIRECTIONS FOR USE

AD-BUFF™ may be used on assorted crops including row crops, forage crops, vegetables, fruits and stone fruits, citrus, small grains, turf or in non-crops. Refer to pesticide manufacturer's label regarding definite adjuvant use recommendations and usage rates. *This product can be used on aquatic sites.*

GENERAL USE

NOTE: **AD-BUFF™** is an acidifier and may be physically or chemically incompatible with alkaline/basic spray ingredients.

Acidifying Agent

> pH 8.0
8 - 16 ounces per
100 gallons of spray solution.

Acidifying Agent

pH 6.5 - 8.0
4 - 8 ounces per
100 gallons of spray solution.

Herbicides, Defoliants, Desiccants: 1 to 4 pints per 100 gallons of spray mixture when used as a surfactant/penetrant.

Insecticides, Fungicides, Acaracides, Plant Growth Regulators, Foliar Nutrients: 1/2 to 2 pints per 100 gallons of spray mixture.

Turf, Ornamental and Industrial Spraying: 1 to 4 pints per 100 gallons (1 to 3 fluid ounces per 5 gallons) of spray mixture. This product demonstrates good plant safety; not all species have been tested. Prior to treating a large area, test on a small area and observe before full-scale application.

Prior to the addition of **AD-BUFF™** to spray tank mixes, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial.

AD-BUFF™ improves deposition and retards drift by producing a more uniform spray pattern. The degree of drift hazard varies with the type of pesticide and application conditions. **AD-BUFF™** will retard, but not eliminate drift.

ALWAYS FOLLOW THE LABEL DIRECTIONS PROVIDED BY THE PESTICIDE MANUFACTURER.

STORAGE AND DISPOSAL

Storage: Keep container tightly closed when not in use. Keep away from heat, sparks and flames.

Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent) adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill, or by other procedures approved by appropriate authorities.

DISCLAIMER OF WARRANTIES: Seller warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

