



A HUBER COMPANY

# Spray-Aide®

**COMPATIBILITY  
ACIDIFIER  
SURFACTANT  
AGENT**



**KEEP OUT OF REACH OF CHILDREN  
WARNING  
CAUSES SERIOUS EYE IRRITATION**

**PRINCIPAL FUNCTIONING AGENT BY WEIGHT:**

Polyethylene glycol alkyl ether phosphate and potassium salts .....	<b>75%</b>
Constituents Ineffective as spray adjuvants: .....	<b>25%</b>
	<b>Total: 100%</b>

**GENERAL INFORMATION**

**SPRAY-AIDE®** compatibility acidifier surfactant agent is a concentrated **COMPATIBILITY-ACIDIFYING-SURFACTANT AGENT** designed to improve spray tank compatibility of pesticides, to lower the pH of spray tank water or liquid fertilizer solution, as a spreader for use with pesticides and to reduce soil crusting. Add **SPRAY-AIDE** to the spray tank or aircraft pre-mix tank at the rate of 6 oz. to 16 oz. per 100 gallons of spray mix. (Metric: 177 to 475cc per 380 liters) Sequential mixing often causes spray tank problems. For most mixes, add **SPRAY-AIDE** to the spray tank before any pesticides. Add **SPRAY-AIDE**, then pesticides, after the tank is 1/2 to 3/4 full of water or liquid fertilizer, while the tank continues to fill with the agitator running. Under some conditions, with some tank mixes, foaming can be a problem. If foaming occurs, use Miller **FOAM FIGHTER®** defoaming agent to solve the problem. As an Anti-Crustant, use 2 gals. per 100 gals. water.

**DIRECTIONS**

**WASHINGTON STATE ONLY: (For all uses listed on the label):** Use **SPRAY-AIDE** at a concentration not to exceed 30% of the total amount of formulated pesticide(s) to be applied per acre in the spray tank.

**COMPATIBILITY AGENT** - Rate: 4 ozs. to 8 ozs. per 100 gals. water or liquid fertilizer. Most pesticide applications are spray tank mixes of a number of products and types of product formulations. Many applications are made with minor incompatibilities, such as small floccules of product in the water. Most of these go unnoticed because they do not clog nozzles or screens. These minor incompatibilities often reduce the activity of the spray application. **SPRAY-AIDE** is effective for maintaining good compatibility in the spray tank for most agricultural spray products and formulations sprayed in water or in liquid fertilizer solutions. To improve the compatibility of herbicide and insecticide combinations applied in **NITROGEN SOLUTIONS** or in **LIQUID FERTILIZER SOLUTIONS**, add 8 ozs. to 16 ozs. of **SPRAY-AIDE** to the **NITROGEN** or **FERTILIZER SOLUTION** before the herbicides or insecticides are put into the tank. To test compatibilities of unproven mixes before placing them in the spray tank, use a simple bottle test of small proportioned amounts of each component to be added.

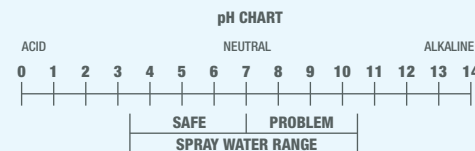
**APPROXIMATE:** 1 Pt. Liquid/100 Gal. = 1 Level Teaspoonful/Gal.

**SMALL MEASURES:** 2 Lbs. Wettable Powder/100 Gal. = 1 1/2 Level Tablespoonful/Gal.

Also use proper sequential mixing procedure for bottle test and spray tank. When

the spray tank is at least half full and continuing to fill with agitation, first add **SPRAY-AIDE**, then add **WETTABLE POWDERS AND FLOWABLES**. Allow to mix for 3 or 4 minutes. Then add **EMULSIFIABLE CONCENTRATES, SLOWLY**. Last, put other additives in the tank, such as stickers or extenders (**NU-FILM®** adjuvant). No other surfactants, spreaders, wetting agents, or herbicide activators are needed as **SPRAY-AIDE** is an excellent product for these functions. After each day's spraying, rinse tank, lines and nozzles with water.

**ACIDIFIER AGENT** - Rate: 6 ozs. to 12 ozs. per 100 gals. water or liquid fertilizer. Many agricultural chemicals degrade rapidly in high pH (alkaline) water. It is very common to have well water or irrigation canal water with a pH of 8.0 to 8.5. Phosphate insecticides and many other pesticides degrade rapidly, when placed in this water. This effect can reduce the activity of pesticides before the spraying operation is completed. **SPRAY-AIDE** helps to protect the chemical investment through pH adjustment. **SPRAY-AIDE** will generally lower the pH of alkaline (high pH) water by 2 or more pH points. Reduction of pH will vary from one water to another; however **SPRAY-AIDE** is active enough, in most waters, to adjust the pH into a safe range. **SPRAY-AIDE** does not affect the soluble salt content of the water.



**TANK CLEANING - SPRAY-AIDE** is an excellent tank cleaner. Continued use of the product will help to keep tanks, lines, screens and nozzles clean. Use at the rate of 4ozs. to 16 ozs. per 100 gals. of water or spray mix. **COTTON SPINDLE CLEANING** - Rate: 6 ozs. per 50 gals. of water, or 3 ozs. per 25 gals. picker tank. While filling tank with water, add **SPRAY-AIDE** when about one-half full. Mix thoroughly with water by circulation or by stirring.

**ELECTROSTATIC, CONVENTIONAL** and **GALLENBERG** type spray systems - Rate: 4 ozs. to 6 ozs. per 100 gals. of water on a continued basis will help to keep tanks, lines, screens and nozzles clean from particle build-up associated with soluble bag and wettable powder formulations.

**SURFACTANT and HERBICIDE ACTIVATOR** - Rate: 4 ozs. to 16 ozs. per 100 gals. water or liquid fertilizer. **SPRAY-AIDE** functions as a spreader and herbicide activator by helping to reduce the surface tension of spray water droplets. **SPRAY-AIDE** is especially useful when applied with contact herbicides.

**SPRAY-AIDE** can be used with Paraquat or Gramoxone® to improve their activity by improving spreading and penetrating activity. When applying with Paraquat or Gramoxone® in combination with nitrogen solutions or liquid fertilizers, use **SPRAY-AIDE** at the rate of 8 ozs. per 100 gallons. Always apply mixtures containing Paraquat® or Gramoxone® with adequate water for coverage, generally, 40 to 50 gallons of water or liquid fertilizer mix per acre, when applied by ground applicator and at least 10 gallons of spray mix per acre by aircraft. When aerial applications are made, Miller **MIST-CONTROL®** spray drift reducer should also be used to reduce spray drift.

**ANTI-CRUSTING AGENT FOR SOILS:** Reduction or prevention of crusting is necessary for any seeding operation of small-seeded vegetables. Increasing soil organic matter and limiting the number of secondary tillage operations that reduce soil-particle size will help prevent soil crusting. In addition, applying **SPRAY-AIDE** over the row at planting will help reduce later crusting caused by heavy, compacting rains. Use at the rate of 2 gals. per 100 gals. water. Apply this mix at 4 gals. per 1,000 ft. of row in a 2 to 4 inch band, which is about equal to 52 gals. of mix per acre.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes substantial but temporary eye injury. Do not get in eyes, skin, or clothing. Wear protective eyewear (goggles, face shield or safety glasses), and clothing and gloves. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give

anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**PHYTOTOXICITY HAZARDS:** Under some environmental conditions, some pesticides or pesticide combinations may cause phytotoxicity on growing plants. Surfactant products such as this product may increase the chance or the intensity of phytotoxicity. Use this product in a manner consistent with individual pesticide product recommendations. Do not use **SPRAY-AIDE** in combination with Copper fungicides or Copper nutrients, applied to foliage, when the final spray solution is pH 7 or below. Many Copper fungicides precipitate at low pH levels. Can be safely used with Miller soluble fertilizers, applied to foliage at recommended label rates.

**ENVIRONMENTAL HAZARDS:** This product is not for aquatic use. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

**STORAGE and DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal.

Use this product in accordance with good agronomic practices, which include utilizing proven spray equipment set for proper coverage. Do not make applications when temperatures are too hot. Applications should be made at temperature levels and when other environmental conditions in your area are such that your experience indicates the application will be compatible and will accomplish desired result.

**LIMITED WARRANTY:** The use of this material being beyond our control and involving elements of risk to human beings, animals and vegetation, we do not make any warranty, express or implied, as to the effects of such use, when this product is not used in accordance with the directions as stated on this label.

GRAMOXONE® is a registered trademark owned by Syngenta Ltd.  
PA Right-to-Know: This product contains proprietary ingredient(s).

Manufactured by:

**MILLER CHEMICAL & FERTILIZER, LLC**  
P.O. Box 333, Hanover, PA 17331 • U.S.A.

NET CONTENTS: 55 GALLONS (208L)