



BUFFER

ACIDIFIER

PRINCIPAL FUNCTIONING AGENTS:

Citric acid	25%
Constituents Ineffective as Spray Adjuvant	75%
TOTAL	100%

All ingredients are exempt from tolerance under 40 CFR 180.

WA Reg. 99777-15004

CAUTION

KEEP OUT OF REACH OF CHILDREN

Avoid contact with skin, eyes or clothing. Do not take internally. Do not eat, drink, smoke or chew gum while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. In addition, follow precautionary statements on all products used with this material. Clean affected clothing, shoes, and protective equipment before reuse.

Personal Protective Equipment: Wear chemical splash eyewear, face shield and acid impermeable gloves, long-sleeve shirt and pants, rubber apron and shoes and socks.

FIRST AID

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

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. 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.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

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.

NET CONTENTS: 4 x 1 U.S. Gallon (4 x 3.79 L)

Oregon Vineyard Supply

2700 NE St Joseph Rd.
McMinnville, OR 97128
800.653.2216



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030415

GENERAL INFORMATION

BUFFER is formulated to acidify spray solutions when the pH of the tank mix water is above 7 (moderately alkaline) and higher without the use of ammonia or nitrogen.

BUFFER helps to increase compatibility when mixing formulations that could be subject to pesticide degradation at higher pH levels.

DIRECTIONS FOR USE

Not for Aquatic Use

Follow the directions on all pesticide labels.

If the pesticide does not specify the use of an acidifier, follow the directions below. Use only if an acidifier is allowed or not excluded on the label.

BUFFER does not contain ammonium sulfate.

Do not pre-mix with pesticides, nutrients or other adjuvants before mixing with water.

NOTE: **BUFFER** is an acidifier and may be physically or chemically incompatible with alkaline/basic active ingredients.

If the user does not have experience with the mixture being applied, perform a jar test using the order and amounts in the mixture and perform a phytotoxicity test to ensure crop safety.

Order of addition

Prior to mixing you should fill your spray tank with half of the carrier you intend to use, usually water. Then start the sprayer and check to make sure that all valves and gauges work and that you have proper tank agitation

Add **BUFFER** prior to the addition of pesticides.

Then follow the W-A-L-E-S plan when adding herbicides to the tank mix.

1. Wettable Powders (WP) then Flowables (F, DF)
2. Agitate then add anti-foaming compounds, buffers
3. Liquid and Soluble products
4. Emulsifiable concentrates (EC)
5. Other adjuvants

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded. The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Oregon Vineyard Supply, (OVS) (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Oregon Vineyard Supply's election, one of the following: 1. Refund of the purchase price paid by buyer or user for product bought, or 2. Replacement of the product used. To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

USE RATES

Source Water pH	Use Rates Per 100 gal	Spray Solution pH
8.0	1 pint	5.7
	2 pints	4.4
7.5	1 pint	5.7
	2 pints	4.4

* The pH chart is for reference only. The use of pH test strips or a pH meter is recommended. Variances in water quality, such as hardness or carbonate level, may affect usage rates.

STORAGE AND DISPOSAL

Storage: Store in a cool, dry place. Store in original container only. Do not add anything to the container. Keep container tightly sealed when not in use. Do not store near fire, flame or other potential sources of ignition. Do not contaminate water, food or feed by storage or disposal of this product. For optimal storage, store between 40° and 90° F.

Disposal: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal if allowed by law. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org. Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

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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.

NET CONTENTS: 2 x 2.5 U.S. Gallons (2 x 9.46 L)

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