MixMaster®
COMPATIBILITY AGENT

PRINCIPAL FUNCTIONING AGENTS

Phosphate Esters of Alkylarylpolyoxyethanol and Alcohol	95.0%
Inert ingredients	5.0%
Total	100.0%

WARNING
KEEP OUT OF REACH OF CHILDREN

GENERAL INFORMATION
MixMaster® is an effective blend of materials that acts as a buffering agent and compatibility agent to improve the stability of liquid fertilizers mixed with pesticides and/or micronutrients. **MixMaster®** is used when a simultaneous application of liquid fertilizer and liquid or dry pesticide is desired. **MixMaster®** is also recommended when two different pesticides are to be applied in a single source of liquid fertilizer or water.

Since formulations differ and rates vary, check the capability of various pesticides, micronutrients, and fertilizer mixtures before mixing large quantities. To check, add ¼ tsp **MixMaster®** to 1 pint fertilizer or pesticide mixture in a jar and add the recommended amount of (other) pesticide (¼ tsp per pint is equivalent to 2 pints per 100 gal).

Shake well after each addition to ensure adequate mixing. Let stand for 30 minutes. If separation, formation sludge, or any other precipitation is observed, repeat using 3/8 tsp **MixMaster®** (equivalent to 3 pt **MixMaster®** per 100 gal). If compatibility is not sufficient, prepare a pre-mix of **MixMaster®** and the pesticide before adding to the fertilizer.

DIRECTIONS FOR USE AS A COMPATIBILITY AGENT
To improve the compatibility and stability of liquid fertilizer and pesticide mixtures, use **MixMaster®** by one of the following procedures:

NO. 1: Add the recommended quantity of **MixMaster®** to the liquid fertilizer or water in the tank and mix completely. Maintain agitation while adding the pesticide. Mix thoroughly.

NO. 2: Add the required amount of **MixMaster®** and pesticide to the tank containing the fertilizer and mix completely.

NO. 3: Prepare a pre-mix of the recommended rate of pesticide and **MixMaster®** add to the tank containing the fertilizer, and mix thoroughly.

Procedures 1 and 2 are appropriate for most situations, while 3 is recommended when compatibility is still inadequate due to the application of 2 or 3 different pesticides in a single source of liquid fertilizer. Procedure 3 is also suggested for mixtures with high phosphate-grade liquid fertilizers, wettable powders, and flowable pesticide formations.

NET CONTENTS:
____ 2.5 gallons ____ 2x2.5 gallons

NET WEIGHT: 8.97 lbs/gallon @ 68°F

APPLICATION RATES
LIQUID NITROGEN FERTILIZERS AND PESTICIDES:
1-3 pints (16-48 oz) per 100 gallons of fertilizer
LIQUID FERTILIZER AND MULTIPLE PESTICIDE COMBINATIONS:
½ -3 pints (8-48 oz) per 100 gallons of fertilizer
MULTIPLE PESTICIDE COMBINATIONS IN WATER:
½ -3 pints (8-48 oz) per 100 gallons of water.
NOTE: Agitation in the tank during application is recommended for certain liquid fertilizers, pesticide combinations and water-pesticide combinations. If the spray tank has been allowed to stand, agitate before application. Too much agitation might result in foaming. This can be avoided by moderate or occasional agitation of the spray mixture or by using an anti-foamer.

DIRECTIONS FOR USE AS A BUFFERING AGENT
Many pesticides, especially organophosphate insecticides, tend to hydrolyze in alkaline solutions, resulting in less effective pest control. Decomposing normally occurs at a first rate above pH 7. Even for those compounds undergoing slow hydrolysis, adjustment of pH in acid medium would have a beneficial effect in minimizing discomposure. Use 2-20oz **MixMaster®** per 100 gal of water to lower the pH of alkaline pesticide spray solutions. See chart below for recommendations. The optimum use rate of **MixMaster®** may vary under extremely alkaline conditions, or if desired reduction of pH is slight, **MixMaster®** should be added to the water in the spray tank with good agitation prior to adding pesticide. Consult local extension agent or other authority for recommended spray tank pH. ALWAYS READ AND FOLLOW DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE PESTICIDE LABEL.

COMBINE pH RECOMMENDED USE CHART

		Starting pH			
		9	8	7	6
Desired pH	8	2 fl oz per 100	0	0	0
	7	4 fl oz per 100	2 fl oz per 100	0	0
	6	16 fl oz per 100	12 fl oz per 100	8 fl oz per 100	0
	5	24 fl oz per 100	16 fl oz per 100	12 fl oz per 100	8 fl oz per 100

This chart is a guide to the approximate quantity of **MixMaster®** required to reduce the pH of 100 gal of water.

MANUFACTURED FOR:
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