

# MIX-ALL ELITE™

ADVANCED COMPATIBILITY AGENT

**MIX-ALL ELITE™** is an advanced, fast, and effective way to remove the inconvenience caused by incompatibility issues in a spray solution.

**MIX-ALL ELITE** is a highly-concentrated compatibility agent, designed with a premium combination of surfactants and emulsifiers that help eliminate compatibility issues.

Formulated to emulsify and disperse liquid fertilizers and emulsifiable pesticides in a uniform spray solution.

#### Variables that affect compatibility:

- Temperature
- pH
- Tank mix formulations
- Sequence of addition
- Amount of water

#### RATE

1-4 pt. / 100 gal.

#### LBS / GALLON

8.9

#### pH

2.0 - 2.5

#### PACKAGE

4 x 1 gal. 250 gal.

**PRODUCT LABEL »**



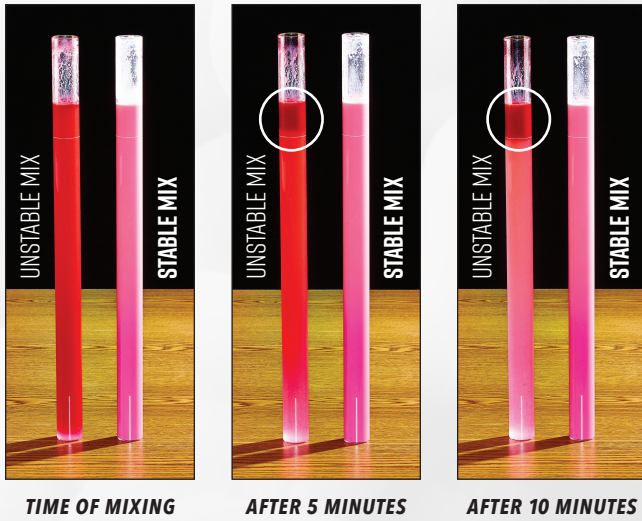
*Example of a good emulsion blooming into water*



*Example of a poor emulsion coalescence and flocculation occurring into water*

## PRODUCT ADVANTAGES

- Aids blending of liquid fertilizers and pesticides
- Formulated to aid tank mixes with urea ammonium nitrate (UAN) and ammonium thiosulfate (ATS)
- Increases the stability of compounds that may typically be antagonistic when mixed together
- Disperses quickly in solution
- Promotes product suspension, reduces tank mix insolubilities, and improves coverage
- Overcomes broken tank mix emulsions
- Prevents many tank mix incompatibilities
- 85% active ingredient load makes it one of the most robust compatibility agents on the market
- APE-free formulation



A weak emulsion can not be fixed by agitation. No matter how much agitation is applied to the unstable mix, it will never uniformly mix.

Once an emulsifier package has failed, it can never recover without the aid of an additional utility adjuvant like **MIX-ALL ELITE**.

*A red oil based dye was added to both mixes. The unstable mix did not stay in solution and the oil and dye gravitated to the top. The stable mix maintained its uniform emulsion and no separation occurred.*

## BATCH MIXING COMPATIBILITY CHARTS

WATER AS CARRIER									UAN AS CARRIER									UAN CARRIER + ATS								
	SL	EC	SC	SE	FC	ZC	ME	LC		SL	EC	SC	SE	FC	ZC	ME	LC		SL	EC	SC	SE	FC	ZC	ME	LC
SL	■	■	■	■	■	■	■	■	SL	■	■	■	■	■	■	■	■	SL	■	■	■	■	■	■	■	■
EC	■	■	■	■	■	■	■	■	EC	■	■	■	■	■	■	■	■	EC	■	■	■	■	■	■	■	■
SC	■	■	■	■	■	■	■	■	SC	■	■	■	■	■	■	■	■	SC	■	■	■	■	■	■	■	■
SE	■	■	■	■	■	■	■	■	SE	■	■	■	■	■	■	■	■	SE	■	■	■	■	■	■	■	■
FC	■	■	■	■	■	■	■	■	FC	■	■	■	■	■	■	■	■	FC	■	■	■	■	■	■	■	■
ZC	■	■	■	■	■	■	■	■	ZC	■	■	■	■	■	■	■	■	ZC	■	■	■	■	■	■	■	■
ME	■	■	■	■	■	■	■	■	ME	■	■	■	■	■	■	■	■	ME	■	■	■	■	■	■	■	■
LC	■	■	■	■	■	■	■	■	LC	■	■	■	■	■	■	■	■	LC	■	■	■	■	■	■	■	■

■ = MIX-ALL ELITE REQUIRED  
 ■ = MIX-ALL ELITE RECOMMENDED  
 ■ = TYPICALLY, NO COMPATIBILITY AGENT REQUIRED

**FORMULATION TYPES**  
 SL = SOLUBLE LIQUID  
 EC = EMULSIFIABLE CONCENTRATES  
 SC = SUSPENSION CONCENTRATES  
 SE = SUSPO-EMULSIONS  
 FC = FLOWABLE CONCENTRATES  
 ZC = MIXED FORMULATION OF 1+ STABLE TYPES  
 ME = MICRO-ENCAPSULATED  
 LC = LIQUID CONCENTRATE

Charts are assembled as a guide to aid in determining when **MIX-ALL ELITE** is known to be needed based on formulation types in the tank mix.

## COMPATIBILITY COMPARISONS

All tests included 10-34-0 + KTS + ATS + Fungicide + Nutritional Additive Product



CHECK

COMPETITOR

**MIX-ALL ELITE**  
ADVANCED COMPATIBILITY AGENT