

**A9. MIXING INSTRUCTIONS:**

Some herbicide labels list a specific mixing sequence. In absence of specific directions, the recommended sequence for adding pesticide formulations to a tank partially filled with water follows the

**A.P.L.E.S.** method:

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**A**gitate

**P**owders soluble

**P**owders dry

**L**iquid flowables and suspensions

**E**mulsifiable concentrates

**S**olutions.

Each ingredient must be uniformly mixed before adding the next component, e.g., a soluble powder must be completely dissolved before adding the next component. Adjuvants are added in the same sequence as pesticides, e.g., ammonium sulfate is a soluble powder, oil adjuvants are emulsifiable concentrates; and most surfactants are solutions. Within each group, usually add the pesticide before the adjuvant, e.g., a soluble-powder pesticide before ammonium sulfate.