



# COMPOUND SOLUBILITY

## for Compounds in Common Liquid Fertilizers

Also applies to  
Cu & Mn

		Cations							
		Acids H <sup>+</sup>	Ammonium NH <sub>4</sub> <sup>+</sup>	Potassium K <sup>+</sup>	Calcium Ca <sup>2+</sup>	Magnesium Mg <sup>2+</sup>	Zinc Zn <sup>2+</sup>	Iron Fe <sup>2+</sup>	Sodium Na <sup>+</sup>
Anions	Acetate C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> <sup>-</sup>	● Acetic Acid	● Ammonium Acetate	● Potassium Acetate	● Calcium Acetate	Magnesium Acetate	● Zinc Acetate	● Iron Acetate	Sodium Acetate
	Carbonate CO <sub>3</sub> <sup>2-</sup>	Carbonic Acid	N/A	● Potassium Carbonate	● Calcium Carbonate	● Magnesium Carbonate	Zinc Carbonate	Iron Carbonate	Sodium Carbonate
	Bicarbonate HCO <sub>3</sub> <sup>-</sup>	N/A	Ammonium Bicarbonate	Potassium Bicarbonate	Calcium Bicarbonate	Magnesium Bicarbonate	N/A	N/A	Sodium Bicarbonate
	Hydroxide OH <sup>-</sup>	● Water	● Ammonium Hydroxide	● Potassium Hydroxide	● Calcium Hydroxide	Magnesium Hydroxide	● Zinc Hydroxide	● Iron Hydroxide	● Sodium Hydroxide
	Nitrate NO <sub>3</sub> <sup>-</sup>	● Nitric Acid	● Ammonium Nitrate	● Potassium Nitrate	● Calcium Nitrate	● Magnesium Nitrate	● Zinc Nitrate	● Iron Nitrate	● Sodium Nitrate
	Oxide O <sup>2-</sup>	N/A	N/A	● Potassium Oxide	Calcium Oxide	Magnesium Oxide	Zinc Oxide	● Iron Oxide	Sodium Oxide
	Phosphate PO <sub>4</sub> <sup>3-</sup>	● Phosphoric Acid	● Ammonium Phosphate	● Potassium Phosphate	● Calcium Phosphate	Magnesium Phosphate	● Zinc Phosphate	● Iron Phosphate	Sodium Phosphate
	Sulfate SO <sub>4</sub> <sup>2-</sup>	● Sulfuric Acid	● Ammonium Sulfate	● Potassium Sulfate	● Calcium Sulfate	● Magnesium Sulfate	● Zinc Sulfate	● Iron Sulfate	Sodium Sulfate
	Thiosulfate S <sub>2</sub> O <sub>3</sub> <sup>2-</sup>	N/A	● Ammonium Thiosulfate	● Potassium Thiosulfate	● Calcium Thiosulfate	● Magnesium Thiosulfate	N/A	N/A	Sodium Thiosulfate
	Citrate C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> <sup>3-</sup>	● Citric Acid	Ammonium Citrate	● Potassium Citrate	Calcium Citrate	Magnesium Citrate	Zinc Citrate	Iron Citrate	Sodium Citrate
	Chloride Cl <sup>-</sup>	● Hydrochloric Acid	● Ammonium Chloride	● Potassium Chloride	● Calcium Chloride	Magnesium Chloride	Zinc Chloride	Iron Chloride	Sodium Chloride
	Molybdate MoO <sub>4</sub> <sup>2-</sup>	Molybdic Acid	● Ammonium Molybdate	● Potassium Molybdate	Calcium Molybdate	Magnesium Molybdate	Zinc Molybdate	Iron Molybdate	● Sodium Molybdate
	Borate BO <sub>3</sub> <sup>2-</sup>	● Boric Acid	Ammonium Borate	Potassium Borate	Calcium Borate	Magnesium Borate	Zinc Borate	Iron Borate	● Sodium Borate

Soluble

Conditionally Soluble

Insoluble

● Common Ingredient in Fertilizers

This guide is based on mixes done at full concentration at temps 60-70°F. Always read and follow handling instructions on product packaging.