

# **PUMP RECOMMENDATIONS FOR APPLICATIONS**

## **WHAT ROLLER PUMP, ROLLERS AND SEALS SHOULD YOU USE?**

Material options for rollers and seals are listed in the order of recommendations for usage. These recommendations are only a general guide.

<b>Application</b>	<b>Specific Chemicals</b>	<b>Suggested Pump, Rollers and Seals</b>
<b>WEED CONTROL CHEMICALS</b>	Emulsions, soluble powders, sodium arsenate.	Use a Silver Series, Ni-Resist, or cast iron pump, Super Rollers and Viton seals.  <b>Note:</b> For weed control chemicals containing glyphosate ( such as Roundup) or other acidics, use only a Silver Series pump with Super or poly rollers and Viton seals. Teflon rollers may be used up to 100 psi
<b>INSECT CONTROL</b>	Emulsions not containing aromatic solvents.	
<b>BRUSH CONTROL</b>	Heavy-duty sprays using diesel oil for carrier.	
<b>PEST CONTROL CHEMICALS, FUMIGANTS, ETC.</b>	This category or use includes mosquito sprays, termite control liquids, nematocides, soil and grain fumigants where any of the following chemicals with aromatic solvents are present:  Pentachlorophenol, xylene, xylol, benzene, high sulphur fuel or diesel oil. Fumigants containing: ethylene dibromide, carbon tetrachloride, perchlorethylene, trichlorethylene, methyl bromide, and other aromatic solvents.	Use a Silver Series, Ni-Resist or cast iron pump with Super Rollers. Use Viton or leather seals.
<b>LIQUID FERTILIZERS</b>	Up to 32% nitrogen content, or others if the liquid is at atmospheric pressure and the temperature is handled.	Use a Silver Series, Ni-Resist pump with poly rollers and Buna-N seals.
<b>POWDERED FERTILIZERS</b>	Fertilizers dissolved in water (greenhouse plant food).	
<b>PUMPING</b>	Large quantities of plain water.	Use a Silver Series, Ni-Resist or cast iron pump, Super, rubber or poly rollers and Buna-N or Viton seals.
<b>SPRAYING</b>	Wettable powder sprays.	<b>Note:</b> Limit pressure to 100 psi when using rubber rollers or wettable powders.
<b>MATERIAL HANDLING</b>	Heavy abrasive powders in suspension.	
<b>ACIDS</b>	Mild sulfuric acid for spraying. Mild muriatic acid, inhibited muriatic, etc.	Use a Silver Series pump, poly or Teflon rollers and Viton seals.  <b>Note:</b> Limit pressure to 100 psi when using Teflon rollers.