

# LIG-BUFFER®

**ACTIVE CONSTITUENTS**  
**130 g/L GLYCOLIC ACID**  
**200 g/L NON-IONIC SURFACTANTS**

## Save money by improving spray efficacy

A buffer is a solution that resists changes in pH when acid or base (alkaline) substances are added to it. LIG-BUFFER is designed to lower the water pH in your spray tank and improve the efficiency of many herbicides, insecticides and fungicides that have a much higher activity at low pH. Many chemicals when added to alkaline water (pH >7.0) may react adversely (alkaline hydrolysis) because of the chemical and physical characteristics of alkaline water. Similarly, addition of alkaline substances to the spray tank can seriously reduce the effectiveness of other chemicals and foliar fertilizers.

LIG-BUFFER is most beneficial with herbicides, especially Glyphosate. The maximum activity of Glyphosate occurs at about pH 3.5, at pH 7 the efficiency of Glyphosate is reduced by 50%, therefore, at pH 3.5, 500 mL of Glyphosate would be as effective as 1 L at pH 7.

The wetting or surfactant properties of LIG-BUFFER further enhance the performance of sprays and the translocation of systemic chemicals. Leaf absorption can also be increased by the addition of VLP (200 mL/100 L), a sticker and complete nutrient spray in one.

Water Hardness	Rate mL/100L	Spray Tank Water Volume		
		500L	1000L	1500L
Medium	70	350mL	700mL	1.050L
Hard	200	1 Litre	2 Litres	3 Litres

**Note:** Frequent measurement of pH is recommended as the chemical and physical properties of water or sprays will determine the precise acidifying effect of LIG-BUFFER. In some situations, less than 100 mL/100L may be needed to reach the desired tank pH. Add LIG-BUFFER to tank before adding chemicals.



**AG-NUTRI  
PTY. LTD.**

- SA/TAS/WA - 0408 633 661 •
- Qld/NT - 0439 520 744 •
- VIC/NSW – 0407 040 820 •
- Email: info@sjbagnutri.com.au •
- Technical support - 0407 040 820 •
- Fax: (03) 5862 1279 •

Exclusive to

