LI700 + Key Tank Mixes

For optimum pH range for pesticide stability and optimum effectiveness add LI700 to each spray tank before adding the pesticide. LI700 acidifies the spray water, helps to deliver the spray to the target, spreads the spray and helps certain pesticides to penetrate the plants leaf surface. Here are a few key pesticides that benefit from the addition of LI700. Other insecticides, miticides, fungicides and herbicides may also benefit from the addition of LI700 for maximum performance. Ground application water volumes are used in this chart. Aerial applications using lower water volumes also benefit from the use of LI700 in the spray tank before adding the pesticide.

PRODUCT @ label rate	PRODUCT rate/acre in water	LI700 use - rate/1000L - rate/acre	One case of LI700 treats this many acres	One case LI700 treats about this many cases of Product
GLYPHOSATE 356 gm/L @ 2.5L/ha rate	1L in 40L of water	5L - 200mL	100	5
LAGON 480E beans @1 L/ha rate	400mL in 80L	325mL - 23mL 650mL - 52mL 1.25L - 100mL	870 385 200	16 8 4
LAGON 480E beans @700 mL/ha rate	280mL in 80L	325mL - 23mL 650mL - 52mL 1.25L - 100mL	870 385 200	23 12 6
IMIDAN 70W fruit trees @2.68 kg/ha rate	1.08kg in 400L	325mL - 130mL 650mL - 260mL 1.25L - 500mL	77 38 20	6 3 1.5
STREPTOMYCIN fruit trees @1.8 kg/ha rate	720g in 400L	325mL - 130mL 650mL - 260mL 1.25L - 500mL	77 38 20	8 4 2
APOLLO fruit trees @300 mL/ha rate	120mL in 190L	325mL - 62mL 650mL - 124mL 1.25L - 238mL	323 161 84	3 2 1

Always read and follow label directions. Products are registered by their respective companies.
For complete labels and MSDS visit www.uap.ca

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LI 700 and Reduction of Water pH

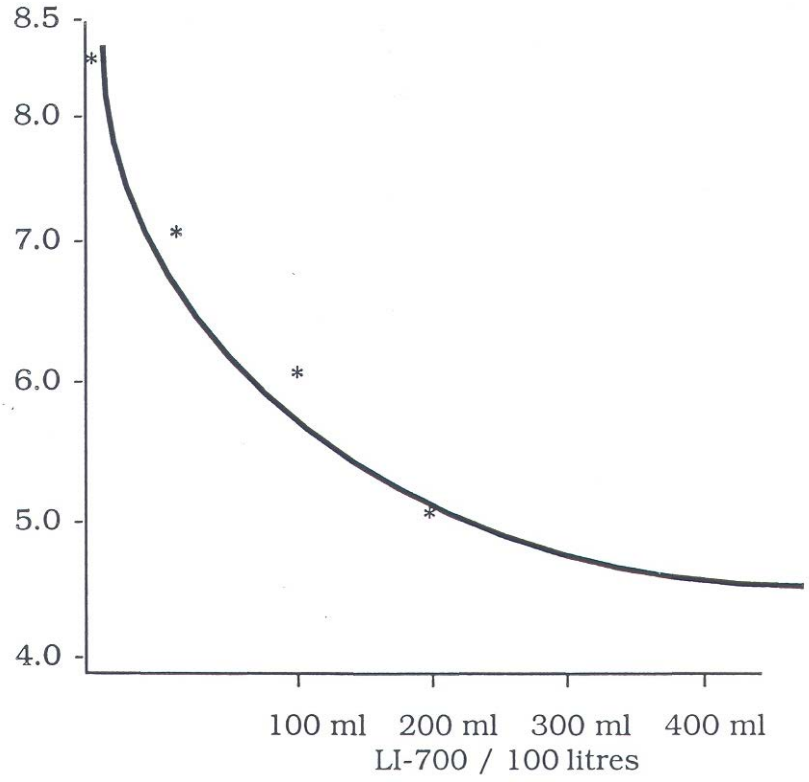
It is often asked specifically, how much will a given amount of LI 700 lower the pH of spray water? Two conditions make it difficult to answer the question precisely.

1) **The relationship of quantity of acidifying material and amount of pH reduction is not linear and,**
2) **Water hardness: both the amount of hardness and what makes up the amount of hardness will have an impact on how much it takes to lower the pH a given amount.**

Given and accepting the previous information, we can still give generalized information with respect to the original question.

Example:

Start @ pH 8.25
100 mL/100 L will bring to pH 6



Generally speaking, 100 mL/100L can be counted on to reduce pH from 2 to 2.5 points and 200 mL/ 100L will reduce from 3 to 3.5 points.