



HYDROGEN PEROXIDE - usage rates and cost

Hydrogen Peroxide, once used liberally on farm and in home for a myriad of applications, is seeing a resurgence of usage once again. Its low cost, effectiveness and positive environmental impact are the causes for its renewed favour. The stability and effectiveness of Hydrogen Peroxide can be improved with the addition of silver nitrate. The only caution is that Hydrogen Peroxide is an extremely strong oxidising agent and must be handled with care in its concentrated form.

Dilution rates as low as 30 parts per million (ppm) are used to great advantage. It must be emphasised that increasing concentration will not make the mixture more effective. Repeated applications at the appropriate dilutions are more likely to give the desired results.

At the current cost of \$66.00 (GST incl.) for a 25kg drum (20 litres volume) of 50% Hydrogen Peroxide, calculated on a per milli-litre cost of 0.33 cents, the following diluted costs apply:-

Farm animal drinking water – dilute to 35 ppm by mixing	APPROX COST
3.5 ml to each 50 litres of water	1.155 cents
7.0 ml to each 100 litres of water	2.310 cents
14.0ml to each 200 litres of water	4.620 cents
70 ml to each 1000 litres of water	23.10 cents
General washing down and stainless steel wash/rinse – dilute to 700ppm by mixing	
70 ml to each 50 litres of water	23.10 cents
140 ml to each 100 litres of water	46.20 cents
280 ml to each 200 litres of water	92.40 cents
1.4 litres to each 1000 litres of water	\$4.62
Udderwash – dilute to 0.25% by mixing	
25ml to each 5 litres of warm water	8.25 cents
50 ml to each 10 litres of warm water	16.50 cents
To help preserve colostrum – dilute from 0.06% to 0.25% by mixing	
6ml to each 5 litres of colostrum milk (0.06%)	1.98 cents
25 ml to each 5 litres of colostrum milk (0.25%)	8.25 cents

When hydrogen peroxide finally breaks down, it reverts back to its components of water and oxygen, thereby oxygenating the outfall system and leaving no toxic or contaminating residue.

FOR FURTHER INFORMATION CONTACT

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