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Practical Guide for On-Farm Chlorination

5% Hypochlorite (Bleach)					
	5 ppm	25 ppm	50 ppm	100 ppm	200 ppm
Gallons of Water					
200	2 cups	2.5 quarts			
	1 pint	0.5 gallon	1.25 gallon	3 gallon	6 gallon
	0.5 liter	1.5 liter	5 liter	11 liter	23 liter
100	8 oz	2.5 pints	5 pints		
	1 cup	1.25 quart	2.5 quarts	1.25gallon	2.5 gallon
	250 milliliter	1 liter	2.25 liter	5 liter	10 liter
50	8 tablespoons	20 oz	5 cup	2.5 quart	
	4 oz	2.5 cup	2.5 pint	.6 gallon	1.25 gallon
	118 milliliter	0.5 liter	1 liter	2 liter	4 liter
25	4 tablespoons	10 oz	20 oz	5 cup	2.5 quart
	2 oz	0.75 cup	0.75 cup	2.5 pint	.6 gallon
	60 milliliter	300 milliliter	0.5 liter	1 liter	2 liter
10	2 tablespoons	2.6 oz	6 oz	10 oz	20 oz
	1 oz	5 tablespoons	0.75 cup	1.25 cup	1.25 pint
	30 milliliter	77 milliliter	150 milliliter	300 milliliter	0.6 liter
5	3 teaspoons	1.3 oz	2.6 oz	6 oz	10 oz
	1 tablespoons	3 tablespoons	5 tablespoons	0.75 cup	1.25 cup
	15 milliliter	38 milliliter	77 milliliter	150 milliliter	300 milliliter
12% Hypochlorite (Bleach)					
	10 ppm	25 ppm	50 ppm	100 ppm	200 ppm
Gallons of Water					
1000	3 oz	8 oz	16 oz	4 cups	2 quarts
	6 tablespoons	1 cup	2 cups	1 quart	0.5 gallon
	90 milliliter	220 milliliter	440 milliliter	1 liter	1.75 liter
200	4 teaspoon	3 tablespoons	4 oz	8 oz	2 cup
	1.5 tablespoon	2 oz	0.5 cup	1 cup	1 pint
	20 milliliter	60 milliliter	188 milliliter	225 milliliter	0.5 liter
100	2 teaspoons	5 teaspoons	1.5 oz	3 oz	6 oz
	0.75 tablespoon	1.5 tablespoons	3 tablespoons	6 tablespoons	0.75 cup
	9 milliliter	22 milliliter	44 milliliter	90 milliliter	177 milliliter
65% Calcium Hypochlorite					
	10 ppm	25 ppm	50 ppm	100 ppm	200 ppm
Gallons of Water					
1000	5 teaspoon	2 oz	4 oz	8 oz	16 oz
	2 tablespoons	4 tablespoons	0.5 cup	1 cup	2 cups
	22 milligrams	50 milligram	100 milligram	225 milligram	440 milligram
200	2 teaspoon	1 oz	2 oz	4 oz	8 oz
		2 tablespoons	4 tablespoons	0.5 cup	1 cup
	10 milligram	25 milligram	50 milligram	100 milligram	200 milligram
100	1 teaspoon	3 teaspoons	1 oz	2 oz	4 oz
		1 tablespoon	2 tablespoons	4 tablespoons	0.5 cup
	5 milligram	13 milligram	25 milligram	50 milligram	100 milligram

Instructions for Use: Select the desired parts per million (ppm). Determine the strength of hypochlorite available. Typical ag-grades are provided. Calculate the number of gallons to be chlorinated. Read across to obtain the amount of liquid or granular hypochlorite to add. Doses are approximate for the target Total Chlorine dose to simplify measurement. Water quality will affect disinfection. Actual target should always be verified with Free Chlorine-strips or other method. Remember, recommended maximum disinfection activity occurs at pH 6.5 to 7.0. Adjust pH with citric acid, or other approved material, and verify with pH strips.