

**Table of Suggested Application Ratios for EM-5 (foliar spray and soil watering)**

8/8/2025

Per quantity of water	Ratio	Per cup of water		Per cup in ml	Per quart of water		Per qt in ml	Per liter of water	Per gallon of water		Per gallon in L (ml)	Frequency Alternate with Activated EM, bokashi spray
		8 fl oz	Alt units	237 ml	32 fl oz	Alt units	946.35 ml	1,000 ml	128 fl oz	Alt units	3.79 L	
amount of EM-5												
<b>Maintenance level</b> (Also for grease control)	<b>1:1000</b>	0.008 fl oz	5 drops	0.24 ml	0.032 fl oz	20 drops (1/5 tsp)	0.95 ml	1 ml	0.128 fl oz	3/4 tsp	3.79 ml	Once—twice per month
<b>Low pressure situ. from disease/pests</b>	<b>1:500</b>	0.016 fl oz	10 drops	0.47 ml	0.064 fl oz	1/3 tsp	1.89 ml	2 ml	0.256 fl oz	1.5 tsp (1/2 Tbsp)	7.57 ml	Every 2 wks or weekly
<b>High pressure situ. from disease/pests</b>	<b>1:250</b>	0.032 fl oz	20 drops (1/5 tsp)	0.95 ml	0.128 fl oz	3/4 tsp	3.79 ml	4 ml	0.512 fl oz	3 tsp (1 Tbsp)	15.14 ml	Every 2 wks or weekly
<b>Low severity of disease/pests</b>	<b>1:100</b>	0.08 fl oz	0.5 tsp	2.37 ml	0.32 fl oz	2 tsp	9.46 ml	10 ml	1.28 fl oz	2.5 Tbsp	37.85 ml	Weekly or whenever possible
Between Low severity to High severity	1:100 – 1:20	0.25 fl oz	1 tsp, 2 tsp	5 ml, 10 ml	0.5 fl oz, 1 fl oz, 1.5 fl oz	3, 4, 5, ... to 9 tsp (1, 2, to 3 Tbsp)	10, 15, 20, ... to 45 ml	15, 20, 25, ... to 45 ml	<b>2, 3, 4, 5, to 6 fl oz</b>	3, 4, 5, ... to 12 Tbsp	40, 50, 60, ... to 180 ml	Weekly or whenever possible
<b>High severity of disease/pests</b>	<b>1:20</b>	0.4 fl oz	2.5 tsp	11.83 ml	1.6 fl oz	3.2 Tbsp (9.6 tsp)	47.32 ml	50 ml	6.4 fl oz	12.8 Tbsp (0.8 cup)	189.27 ml	Weekly or whenever possible
<b>Extreme cases</b> mainly for soil applications	<b>1:10</b>	0.8 fl oz	5 tsp (1.6 Tbsp)	23.66 ml	3.2 fl oz	6.5 Tbsp	94.64 ml	100 ml	12.8 fl oz	1.6 cup	378.54 ml	Weekly or whenever possible

*Note. These are suggested amounts of EM-5. **Round up or down or to an amount between the next level** (for example, between Low severity [10 ml] and High severity [50 ml] could be either 20 ml, 30 ml, or 40 ml) **depending on your situation and on-going results.***

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**QR code to the above Table**  
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**EM-5 details**



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