

Need at least 10% lemon eucalyptus?

Repel uses 30% lemon eucalyptus?

can change total volume and units volume in each column--unit volume will be either 2.5 or 6 ml

after mixing--adjust w apple cider vinegar or bicarb to bring pH to ~ 6.5

	given	units	1 multiplier	0.5 multiplier	2 multiplier	4 multiplier
	calc	units	2	1 units	4 units	8 units
UNIT VOLUME	given	oz	2.0	same as 1 multiplier	same as 1 multiplier	same as 1 multiplier
Serving Size	conv^	ml	60	same as 1 multiplier	same as 1 multiplier	same as 1 multiplier
Servings/Unit	calc	ml	10.0	same as 1 multiplier	same as 1 multiplier	same as 1 multiplier
FINAL TOTAL VOLUME	given	oz	4 oz	2 oz	8 oz	16 oz
TO CAL CONC	conv^	gal	120	60 ml	240 ml	480 ml
FINAL pH	conv^	gal	0.03	0.02 gal	0.06 gal	0.13 gal
H2O2 35%	ml		0.00	0.00 ml	0.00 ml	0.00 ml
+ water	calc	ml	0.00	0.00 oz	0.00 ml	0.00 ml
	conv^	oz	0.00	0.00 ml	0.00 oz	0.00 oz
OR H2O2 3%	3%	ml	0.00	0 ml	0 ml	0 ml
			0.0000%	0	0 oz	0 oz
TOTAL W DILUTANT	calc	oz	4 oz	2 oz	8 oz	16 oz
+ H2O dilutant	calc	ml	118.25	1.1884 oz	4.75 oz	9.5069 oz
	conv^	ml	2.37673	0 ml	0 ml	0 ml
TOTAL (USE IF CONCENT)	given	oz	1.62327	0.8116 oz	3.25 oz	6.4931 oz
				concentration		
CONCENTRATE H2O*	calc	oz	0.00	oil	0.00 oz	0.00 oz
	conv	ml	0	only	0 ml	0 ml
LIQUID CONCENTRATE	oz		1.62327			
INCLUDING OILS	ml		48	800.00	48.00	
Apple Cider Vinegar	100%	ml	0.51	0.4167%	4,167	0.50
Glycerine	100%	ml	2.5	2.0833%	20,833	2.50
Honey						0.00
Iodine*	2%	ml	0.5	0.0083%	83	0.50
Isopropyl Alcohol	50%	ml	2	0.8333%	8,333	2.00
Ethanol	95%	ml	1	0.7917%	7,917	1.00
Witch Hazel, 17% Etoh	83%	ml	2	1.3833%	13,833	2.00
Vanilla Extract	100%	ml				
Castor Oil	100%	ml	3	2.5000%	25,000	3.00
Coconut Oil	100%	ml	3	2.5000%	25,000	3.00
Neem Oil	100%	ml	3	2.5000%	25,000	3.00
Olive Oil	100%	ml	3	2.5000%	25,000	3.00
Sesame Oil Raw Organic	100%	ml				
	conv	ml	27.5	drp/100ml	27.50	57.29%
	calc	drop	550	458.33333	229,167	13.75
Oils TOTAL						275 drop
Camphor	100%	drop				1100 drop
Cedar Atlas	100%	drop	8	0.3333%	3,333	0.40
Cinnamon	100%	drop	8	0.3333%	3,333	0.40
Citronella	100%	drop	10	0.4167%	4,167	0.50
Clove	100%	drop	8	0.3333%	3,333	0.40
Clary Sage	100%	drop				0.83%
Eucalyptus, Regular	100%	drop				0.83%
Eucalyptus, Lemon	100%	drop	480	20.0000%	200,000	24.00
Frankincense	100%	drop				50.00%
Geranium	100%	drop	8	0.3333%	3,333	0.40
Lavender	100%	drop	4	0.1667%	1,667	0.20
Lemon	100%	drop				0.42%
Lemongrass	100%	drop				
Orange	100%	drop				
Oregano	100%	drop				
Peppermint	100%	drop	8	0.3333%	3,333	0.40
Pine	100%	drop	4	0.1667%	1,667	0.20
Rosemary	100%	drop	4	0.1667%	1,667	0.20
Sage	100%	drop				0.42%
Spearmint	100%	drop				
Tea Tree	100%	drop	4	0.1667%	1,667	0.20
Thyme	100%	drop	4	0.1667%	1,667	0.20
Wintergreen	100%	drop				0.42%
Ylang Ylang						

NOTES: Boric Acid, 1.74% = 6 mg B/ml (max 4.7% at 20C/68F); Borax 2.65% = 3 mg/ml (max 4.7% at 20C/68F)

1/4 cup in 1 gallon = 2 oz in 128 oz = 1.55%; 1/2 cup in 4 cups water = 4 oz in 32 oz or 12.5% (only at > 105F)

*Iodine 12-25 ppm is antiseptic, 100-500 is cidal

Directions

1 Trial without dilution for effect

2 Trial with dilution, 1 oz to 3 oz water

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