

PGR Calculations

Brian Krug, Univ. of New Hampshire



PGR Calculations

Brian Krug 




Common Conversions

- Mass (Weight)
 - 1 lbs = 0.45 kilograms
 - 1 kilogram = 2.2 lbs
 - 1 kilogram = 1,000 grams
 - 1 lbs = 16 ounces
 - 1 ounce = 28.35 grams



Common Conversions

- Volume (liquids)
 - 1 gallon = 3.785 liters
 - 1 liter = 1,000 milliliters
 - 1 milliliter = 1 centimeter³ (CC)
 - 1 fluid ounce = 29.57 milliliters
 - 1 tablespoon = 14.78 milliliters
 - 1 teaspoon = 4.92 milliliters
 - 1 tablespoon = 3 teaspoons




Common Conversions

- PPM = mL/L
- PPM = mg/L
- 1% = 10,000 ppm



Measuring

- Liquids
 - Milliliters
 - Fluid ounces
- Solids
 - Grams
 - Ounces
 - Lbs
 - Kilos





PGR Formulations

- Percent Active Ingredient (a.i.)



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e-GRO Active Ingredient

- Listed in percent (%)
- We need it in mg/mL
- 1% = 10,000 ppm
- ppm = mg/L

0.055%	10,000 ppm	=	550 ppm	1 Liter	
	1%		Liter	1,000 mL	

0.55 mg/mL

e-GRO Calculations



e-GRO PGR Calculations



e-GRO Calculations

- Web-Based



e-GRO PGRCALC



e-GRO Calculations

- Mobil App



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e-GRO Electronic Grower Resources Online

PGR MIX MASTER

- iOS 
- Android 
- Blackberry 

www.nhfloriculture.com

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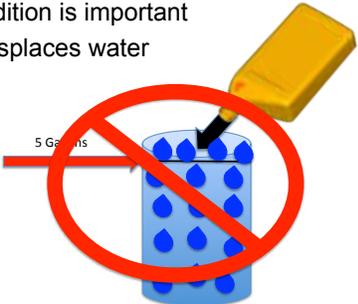
PGR Mix Master



e-GRO Electronic Grower Resources Online

Mixing Note

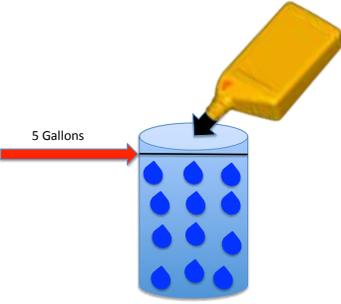
- Order of addition is important
- The PGR displaces water



5 Gallons

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Mixing Note



5 Gallons

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