

Miracle-Gro Instructions

Friday, March 08, 2013
2:19 PM

1/2 X = 1/8 tsp per gallon = 0.11 g/L

1X = 1/4 tsp per gallon = 0.22 g/L

2X = 1/2 tsp per gallon = 0.44 g/L

Use MSU tap water since Miracle-Gro does not contain all minors. Most notably Miracle-Gro is missing Calcium and Magnesium. MSU tap water is about pH 7.3 so you will need to add some acid to bring pH to around 6

1 Gallon Jug

| Strength | Miracle-Gro (g) | 12.1 M HCl (ml) | |
|----------|-----------------|-----------------|-----------|
| 1/2X | 0.42 | 1.44 | 2X 0.72ml |
| 1X | 0.84 | 1.44 | |
| 2X | 1.68 | 1.44 | |

30 Gallon Tank

| Strength | Miracle-Gro (g) | 12.1 M HCl (ml) |
|----------|-----------------|-----------------|
| 1/2X | 12.6 | 43 |
| 1X | 25.2 | 43 |
| 2X | 50.4 | 43 |

70L

| Strength | Miracle-Gro (g) | 12.1 M HCl (ml) |
|----------|-----------------|-----------------|
| 1/2X | 7.7 | 26.4 |
| 1X | 15.5 | 26.4 |
| 2X | 30.9 | 26.4 |