Conversion of Various Lab Analysis to Phosphorus ppm Mehlich I (MI)

DCR
Virginia Department of Conservation & Recreation

Waypoint Analytical
(Formerly A&L)

Lab	Analysis	Conversion Needed	P ppm Mehlich I
Waypoint	49 P- ppm	(49 ppm X 0.458) – 3.26	= 19

- We want our analysis is PPM Mehlich I
- Waypoint Analytical uses Mehlich III Extraction
- (Mehlich III ≤ 205 ppm) X 0.485 -3.26 = Mehlich 1 ppm

A. 49 X .458 = 22.442

B. 22.442 – 3.26 = 19

Lab	Analysis	Conversion Needed	P ppm Mehlich I
Brookside	256 P_2O_5 Lbs./ac	256 P_2O_5 lbs./ac X 0.22 56.32 ppm X .458 – 3.26	= 23

- We want our analysis in PPM Mehlich I.
- Brookside uses Mehlich III.
- P_2O_5 lbs./ac X 0.22 = P ppm

A. 256 P_2O_5 lbs./ac X 0.22 = 56.32 ppm P
*after conversion analysis is below 205

B. 56.32 ppm X .458 – 3.26

Lab	Analysis	Conversion Needed	P ppm Mehlich I
Spectrum	214 P - ppm	(214 ppm X 0.945) – 103.5	= 99

- We want our analysis is PPM Mehlich I.
- Spectrum uses Mehlich III.
- (Mehlich III ≥ 206 ppm) X 0.945 -103.5 = Mehlich 1 ppm

A. 214 ppm X 0.945 – 103.5 = 99

Lab	Analysis	Conversion Needed	P ppm Mehlich I
VA Tech	6 P – lbs./ac	6 lbs./ac X 0.5	= 3

- We want our analysis is PPM Mehlich I
- VA Tech uses Mehlich I

P lbs./ac X 0.5 = P ppm

A. 6 lbs./ac X 0.5 = 3