

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

Waypoint Analytical (Formerly A&L)

LAB	Analysis	Conversion Needed	P ppm Mehlich I
Waypoint	49 P-ppm	$(49 \text{ ppm} \times 0.458) - 3.26$	= 19

- We want our analysis is PPM Mehlich I.
- Waypoint Analytical uses Mechlich III Extraction.

- $(\text{Mechlich III} \leq 205 \text{ ppm}) \times 0.485 - 3.26 = \text{Mechlich 1 ppm}$

A. $49 \times .485 = 22.442$

B. $22.442 - 3.26 = 19$

LAB	Analysis	Conversion Needed	P ppm Mehlich I
Brookside	256 P ₂ O ₅ lbs/ac	256 P ₂ O ₅ lbs/ac X 0.22 56.32 ppm X .458 – 3.26	= 23

- We want our analysis is PPM Mehlich I.
- Brookside uses Mechlich III.
- P₂O₅ lbs/ac X 0.22 = P ppm
- (Mechlich III ≥ 206 ppm) X 0.945 -103.5 = Mechlich 1 ppm
 - A. 256 P₂O₅ lbs/ac X 0.22 = 56.32 ppm P
 - B. 56.32 ppm X .458 – 3.26

LAb	Analysis	Conversion Needed	P ppm Mehlich I
Spectrum	214 P - ppm	$(214 \text{ ppm} \times 0.945) - 103.5$	$= 99$

- We want our analysis is PPM Mehlich I.
- Spectrum uses Mechlich III.
- $(\text{Mechlich III} \geq 206 \text{ ppm}) \times 0.945 - 103.5 = \text{Mechlich 1 ppm}$

$$\text{A. } 214 \text{ ppm} \times 0.945 - 103.5 = 99$$

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

$$P \text{ lbs/ac} \times 0.5 = P \text{ ppm}$$

$$A. 6 \text{ lbs/ac} \times 0.5 = 3$$