Conversion equations for soil test results from laboratories using the Mehlich 3 soil extract.

Nutrient	Reported Units	Conversion Equation
P	ppm P	UD-FIV = $1.00 \times$ Mehlich 3-P
	lb P/ac	UD-FIV = $0.50 \times$ Mehlich 3-P
K	ppm K	UD-FIV = $(0.55 \times$ Mehlich 3-K)
	lb K/ac	UD-FIV = $(0.27 \times$ Mehlich 3-K)
Ca	ppm Ca	UD-FIV = $(0.10 \times$ Mehlich 3-Ca)
	lb Ca/ac	UD-FIV = $(0.05 \times$ Mehlich 3-Ca)
Mg	ppm Mg	UD-FIV = $(0.76 \times$ Mehlich 3-Mg)
	lb Mg/ac	UD-FIV = $(0.38 \times$ Mehlich 3-Mg)
Mn	ppm Mn	Mehlich 3 Mn (lb/ac) = $(2.0 \times$ Mehlich 3-Mn)
	lb Mn/ac	Mehlich 3 Mn (lb/ac) = $(1.0 \times$ Mehlich 3-Mn)
Zn	ppm Zn	Mehlich 3 Zn (lb/ac) = $(2.0 \times$ Mehlich 3-Zn)
	lb Zn/ac	Mehlich 3 Zn (lb/ac) = $(1.0 \times$ Mehlich 3-Zn)

Example: Converting Mehlich 3 K soil test results in ppm to UD-FIV

Soil Test Results: Mehlich 3 K = 182 ppm

Use the equation for results reported in ppm: UD-FIV = $(0.55 \times$ M3-K)

$$\text{UD-FIV} = (0.55 \times 182 \text{ ppm K}) = 100 \text{ FIV}$$