



**INTERPRETATION OF SOIL ANALYSIS RESULTS AND
RECOMMENDATIONS FOR SUGAR CANE FERTILIZATION AND AMENDMENTS
(P, Si and K)**

The following apply only to results obtained when using the 0.1M H₂SO₄ extraction method.

P FERTILIZATION

Soil test value (ppm P)	P₂O₅ to apply at planting (kg/ha) (kg/arp.)	
30	600	250
35	525	220
40	475	200
45	425	180
50	375	160
55	325	140
60	275	115
65	200	85
70	125	55
75	50	20
80	0	0

CALCIUM SILICATE APPLICATION

Soil test value (ppm Si)	Calcium Silicate (t/ha) (t/arp.)	
50	2.5-3.5	1.0-1.5
50-95	1.25-2.5	0.5-1.0
95-140	0-1.25	0-0.5

K FERTILIZATION

Soil test value (0.1M H ₂ SO ₄) (m.e. K%)	Muriate of Potash	
	(kg/ha)	K ₂ O kg/arp.
0.3	200	48-80
0.3-0.4	150	36-60
0.4	100	24-40

Note

To convert K (N HNO₃) into K (0.1 M H₂SO₄) use the following equation:

$$y = 0.0075 + 0.673 x$$

where x = K (N HNO₃)

$$y = K (0.1M H_2SO_4)$$