

## FERTILISER CONTENT OF PALM OIL MILL WASTE PRODUCTS

### Dried Decanter Solids (palm oil meal)

For every tonne of dried decanter cake, the fertiliser equivalent are as follows:

- a. Urea : 44.4 kg
- b. Rock phosphate : 20.8 kg
- c. Muriate of potash: 50.0 kg
- d. Kieserite : 42.3 kg

### Fibre, Shell, Boiler Ash and Klinker

For every tonne of FFB processed, 0.4% to 0.6% of boiler ash is produced having the following composition:

- a. Phosphorous : 1.74% to 6.61%
- b. Potassium : 16.6% to 24.9%
- c. Calcium : 7.1%

### Liquid Effluent

#### Anaerobic effluent

	Supernatant (ppm)	Supernatant+10% slurry (ppm)
a. Nitrogen :	450	320
b. Potassium :	70	42
c. Kieserite :	1 200	1 495
d. Magnesium :	280	258

#### Aerobic effluent

	Supernatant (ppm)	Bottom slurry (ppm)
a. Nitrogen :	52	1 495
b. Potassium :	12	461
c. Kieserite :	2 300	2 378
d. Magnesium :	539	1 004

#### Dried Solid Cake

	Solids (ppm)
a. Nitrogen :	4 500
b. Potassium :	12 000
c. Kieserite :	15 000
d. Magnesium :	12 000