G3 Calculating Waste Additions in OXIDE Format

Calculation of Element to Oxide for N, P & K

See analysis report & RB209 for values

Liquid Waste/Sludge (02 03 01)

Total Solids = 1.38% Dry Matter

Application Rate (in metric tonnes) = 45tn/ha

Phosphorous to Phosphate

14300mg/kg Dry Weight

14300/1000 = 14.3 kg/tn

14.3 x (1.32/100) = 0.18876 kg/tn

0.18876 x **24** (spreading rate) = 4.53kg/ha

4.53 x 2.291 = **10.38 kg/ha P_2O_5**

0.18876 x **23.5** (spreading rate) = 4.44kg/ha

4.44 x 2.291 = **10.17 kg/ha P_2O_5**

Potassium to Potassium Oxide

19200mg/kg Dry Weight

19200/1000 = 19.2 kg/tn

19.2 x (1.38/100) = 0.26496 kg/tn

0.26496 x **24** (spreading rate) = 6.359kg/ha

6.359 x 1.205 = **7.66 kg/ha K_2O**

0.26496 x **23.5** (spreading rate) = 6.227kg/ha

6.227kg/ha x 1.205 = **7.50 kg/ha K_2O**

G3 Calculating Waste Additions in OXIDE Format

Nitrogen additions (not oxide)

Nitrogen, Kjeldhal as N 84700mg/kg

84700/1000 = 84.7kg/tn

84.7 x (1.38/100) = 1.16886kg/tn

1.16886 x **24** (spreading rate) = **28.05kg/ha N**

1.16886 x **23.5** (spreading rate) = **27.47kg/ha N**