



MR D MITCHELL
 207 CHESTER ROAD
 HARTFORD
 NORTHWICH
 CHESHIRE
 CW8 1LH

H 89

Please quote above code for all enquiries

KATE CHAPPELL

 WOOL RICH CARPET SHRED

MANURE ANALYSIS RESULTS (Metric Units)

Sample Reference : WOOL-RICH CARPET

Sample Matrix : MANURE

The sample submitted was of adequate size to complete all analysis requested.

The sample will be kept as the dry ground sample for at least 1 month.

Laboratory References	
Report Number	82311
Sample Number	23507

Date Received	24-JUL-2009
Date Reported	05-AUG-2009

ANALYTICAL RESULTS

Determinand on a DM basis unless otherwise indicated	Units	Result	Amount per fresh tonne	Amount applied at an equivalent total Nitrogen application of...		Units
				170 kg N/ha	250 kg N/ha	
pH		6.35				
Dry Matter	%	93.4	934.00	1728	2541	kg DM
Total Nitrogen	% w/w	9.84	91.91	170	250	kg N
Ammonium Nitrogen	mg/kg	748	0.70	1.29	1.90	kg NH4-N
Nitrate Nitrogen	mg/kg	67.5	0.06	0.12	0.17	kg NO3-N
Total Phosphorus (P)	% w/w	0.027	0.58	1.07	1.57	kg P2O5
Total Potassium (K)	% w/w	0.052	0.58	1.08	1.59	kg K2O
Total Magnesium (Mg)	% w/w	0.093	1.44	2.67	3.92	kg MgO
Total Sulphur (S)	% w/w	1.38	32.22	59.60	87.65	kg SO3
Equivalent field application rate		—	1.00	1.85	2.72	tonnes/ha

Released by E Sullivan

Date 05/08/09

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				170 kg N/ha	250 kg N/ha	
Total Carbon	% w/w	69.4				

How does your sample compare with 'standard' figures for organic manures?

	Cattle FYM (fresh) (per tonne)	Cattle FYM (old) (per tonne)	Pig FYM (fresh) (per tonne)	Pig FYM (old) (per tonne)	Layer manure (per tonne)	Broiler / turkey litter (per tonne)	Units
Dry Matter	25	25	25	25	30	60	% DM
Total Nitrogen	6.0	6.0	7.0	7.0	16.0	30.0	Kg N
Ammonium Nitrogen	1.5	0.6	1.8	0.7	5.6	8.1	Kg NH4-N
Uric Acid Nitrogen	n/a	n/a	n/a	n/a	2.4	3.9	Kg uric acid-N
Total Phosphate	3.5	3.5	7.0	7.0	13.0	25.0	Kg P2O5
Total Potash	8.0	8.0	5.0	5.0	9.0	18.0	Kg K2O
Total Magnesium	0.7	0.7	0.7	0.7	2.2	4.2	Kg MgO
Total Sulphur	1.8	1.8	1.8	1.8	3.8	8.3	Kg SO3

The 'standard' availability figures to the next crop grown for phosphate and potash (as per RB209) are 60% and 90% respectively. The 'standard' figures for organic manures above have been selected from Defra's Fertiliser Recommendations for Agricultural and Horticultural Crops (RB209). Further information on fertiliser recommendations for organic manures can be obtained from RB209.

Released by *E Sullivan*

Date *05/08/09*