

WASTE ADDITIONS 2017

Field Name	Area (ha)	Soil Type	Soil Status					Cropping		Sowing Date	Required (kg/ha)			Manure & Fertiliser Applications	Total N	Will provide (kg/ha) (available)			Application Date	Method
			SNS	pH	P	K	Mg	2016	2017		N	P	K			N	P	K		surface
1515	6.28	Medium	Medium (Good)	6.6	3	2+	2	GZ	GZ		50	0	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
9408	2.86	Medium	Medium (Good)	6.4	2	2-	2	GZ	GZ		50	20	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
9995	2.12	Medium	Medium (Good)	6.4	3	2+	2	GZ	GZ		50	0	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
7785	4.02	Medium	Medium (Good)	6.3	2	2-	2	GZ	GZ		50	20	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
4984	3.19	Medium	Medium (Good)	6.3	3	2-	2	GZ	GZ		50	0	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
3478	1.98	Medium	Medium (Good)	5.5	3	1	2	SI1	SI1		70	70	110	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
4470	2.68	Medium	Medium (Good)	5.5	3	1	2	SI1	SI1		70	70	110	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
2368	2.53	Medium	Medium (Good)	6.4	4	1	2	SI1	SI1		70	70	110	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
0865	2.19	Medium	Medium (Good)	5.9	3	0	2	SI2	SI2		70	120	260	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
9466	1.44	Medium	Medium (Good)	6.7	4	2-	3	SI1	SI1		70	70	110	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
9060	0.47	Medium	Medium (Good)	6.4	4	3	3	GZ	GZ		50	50	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface

G1

Reservoir 1865	3.31	Medium	Medium (Good)	6.3	3	2-	2	GZ	GZ		50	20	0	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	30/05/2017	surface
Brock Field 1211	3.77	Medium	1	6.4	3	1	2	SI1	WW	10/10/2016	170	82	106	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	12/08/2017	surface
L Shaped 7992	5.14	Medium	1	6	3	2-	3	WO	SBA	15/03/2017	150	67	64	23.5tns/ha Beacon Foods Liquid waste	52.6	8.24	5.09	7.50	12/08/2017	surface
Isolation Unit 5090	6.3	Medium	Medium (Good)	5.4	2	1	3	GZ	GZ		50	20	0	24tns/ha Beacon Foods Liquid waste	52.6	8.42	5.19	7.66	30/05/2017	surface

Totals Spread

Liquid Waste: 1138tns (approx.)

Cropping Codes

GZ	Grazing Grass
SI1	One cut grass silage
SI2	Two cut grass silage
SO	Spring Oats
SBA	Spring Barley
WW	Winter Wheat

SNS

Medium (Good) based on SNS table on Pg 188 of RB209, with an average rainfall (Apr - Sept) over 400m. *This is using data from the Met Office website.*

Method

surface = liquid waste will be surface applied to the ground using a splash plate tanker
 soil incorp = solid waste will be surface applied, using a rear discharge spreader, and then incorporated into the soil before the following crop is planted

AVAILABILITY

This waste product does not appear in the latest version of RB209, so Dirty Water has been used as a model to calculate availability of phosphate and potassium to the crops.

Phosphate: Using the analysis in oxide format, the total Phosphate will be 10.38kg/ha at a spreading rate of 24tn/ha or 10.17 kg/ha at a spreading rate of 23.5tn/ha. Using Page 67 of RB209 (version 2010) Phosphate in Dirty Water has an availability of 50%. Therefore, availability will be 5.19kg/ha at a spreading rate of to 24tn/ha, and 5.09kg/ha at a spreading rate of 23.5tn/ha.

Potassium: Using the analysis in oxide format, the total Potassium will be 7.66kg/ha at a spreading rate of 24tn/ha or 7.50 kg/ha at a spreading rate of 23.5tn/ha . Using Page 67 of RB209 (version 2010) Potassium in Dirty Water has an availability of 100%. Therefore, availability will be 7.66kg/ha at a spreading rate of 24tn/ha and 7.50kg/ha at a spreading rate of 23.5tn/ha.

Nitrogen: Again Dirty Water has been used as a model to calculate availability of Nitrogen to the crops.

Using the analysis in oxide format, the total Nitrogen supplied will be 28.05kg/ha at a spreading rate of 24tn/ha or 27.47kg/ha N at a spreading rate of 23.5tn/ha. Using Page 67 of RB209 (version 2010)

Spring Applications - 50% availability

Summer Applications - 30% availability