

| SYSTEM INPUTS: FEEDSTOCK | | Combined |
|---|-------------|----------|
| Food Waste | | |
| Mass | tonnes/year | 11,500 |
| | tonnes/day | 32 |
| % Dry Matter | % DM | 26.6 |
| % Organic Dry Matter | % ODM | 92.9 |
| Specific Methane Yield | m3 CH4/tODM | 352 |
| % Methane | % CH4 | 60 |
| Dry Matter | tonnes/day | 8.4 |
| Organic Dry Matter | tonnes/day | 7.8 |
| Methane Production | m3/day | 2,742 |
| Biogas Production | m3/day | 4,571 |
| Gasyield | m3/tODM | 587 |
| Electricity Production | kWe | 465 |
| Data Source: NRM Lab testing: Card ref-11205, Lab ref 154014, Sample name BCMB594 GH 15/11/23 | | |
| Cow Slurry | | |
| Mass | tonnes/year | 12,500 |
| | tonnes/day | 34 |
| % Dry Matter | % DM | 10.1 |
| % Organic Dry Matter | % ODM | 86.5 |
| Specific Methane Yield | m3 CH4/tODM | 144 |
| % Methane | % CH4 | 62 |
| Dry Matter | tonnes/day | 3.5 |
| Organic Dry Matter | tonnes/day | 3.0 |
| Methane Production | m3/day | 431 |
| Biogas Production | m3/day | 697 |
| Gasyield | m3/tODM | 233 |
| Electricity Production | kWe | 73 |
| Data Source: Cropgen feedstock database 230511 Cattle Manure (Dairy Cattle) | | |
| Left cattle feed and Maize | | |
| Mass | tonnes/year | 1,460 |
| | tonnes/day | 4 |
| % Dry Matter | % DM | 33.9 |
| % Organic Dry Matter | % ODM | 96.34 |
| Specific Methane Yield | m3 CH4/tODM | 337 |
| % Methane | % CH4 | 55 |
| Dry Matter | tonnes/day | 1.4 |
| Organic Dry Matter | tonnes/day | 1.3 |
| Methane Production | m3/day | 440 |
| Biogas Production | m3/day | 800 |
| Electricity Production | kWe | 75 |
| Data Source Cropgen feedstock database 230511 Maize (44 day ensiled) | | |
| Total Feedstock | | |
| Mass | tonnes/year | 25,460 |
| | tonnes/day | 70 |
| % Dry Matter | % DM | 18.9 |
| % Organic Dry Matter | % ODM | 91.6 |
| Specific Methane Yield | m3 CH4/tODM | 299 |
| % Methane | % CH4 | 60 |
| Dry Matter | tonnes/day | 13.2 |
| Organic Dry Matter | tonnes/day | 12.1 |

| SYSTEM OUTPUTS: 1 - ENERGY | | |
|----------------------------|------------|---------|
| Methane Production | m3 CH4/day | 3,613.8 |
| Biogas Production | m3/day | 6,067.6 |
| Electricity Production | kWe | 612 |

| SYSTEM OUTPUTS: 2 - DIGESTATE | | |
|-------------------------------|-------------|----------|
| Mass of Digestate Fibre | tonnes/year | 6,100.9 |
| | tonnes/day | 16.7 |
| Mass of Digestate Liquor | tonnes/year | 16,657.6 |
| | tonnes/day | 45.6 |