**Table 1**

|  |  |  |
| --- | --- | --- |
| Feedstock | Moisture content (%, w.b.) | Bulk density (kg/m3) |
| Ground corn stover (4.8 mm screen) | 8.39 (0.03) | 111.0 (2.3) |
| Corn starch binder (%) | 9.72 (0.02) | 597.1 (31.3) |

**Table 2**

|  |  |
| --- | --- |
| Pelleting process variables |  |
| Feedstock moisture content (%, w.b.) | 33, 36, and 39 |
| Corn starch binder (%) | 0, 2, and 4 |

**Table 3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Source of Variation | | Measured Values | | | | |
|  |  | Moisture Content | Bulk Density | Durability | Diameter | Expansion Ratio |
| Feedstock Moisture Content (FMC) |  | <0.0001 | <0.0001 | <0.0001 | 0.0464 | 0.0184 |
| Binder |  | 0.0002 | <0.0001 | <0.0001 | 0.3833 | 0.1893 |
| Drying |  | NA | NA | <0.0001 | NA | NA |
| FMC\*Binder |  | 0.0019 | 0.0022 | <0.0001 | 0.0240 | 0.0405 |
| FMC\*Drying |  | NA | NA | <0.0001 | NA | NA |
| Binder\*Drying |  | NA | NA | <0.0001 | NA | NA |
| FMC\*Binder\*Drying | | NA | NA | <0.0001 | NA | NA |