**Table 2: Effects of kelp meal on milk yield, plasma metabolites, and heat stress indicators**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 0 g | 113 g | SED | Statistically significant1? |
| Milk yield, kg/d | 12.4 | 13.0 | 0.90 | No |
| Milk fat, kg/d | 0.54 | 0.57 | 0.04 | No |
| Milk protein, kg/d | 0.44 | 0.45 | 0.03 | No |
| MUN, mg/dL | 11.6 | 12.1 | 0.58 | No |
| Milk iodine, ug/L | 138 | 592 | 66.1 | Yes |
| TMR DMI, kg/d | 8.22 | 8.08 | n/a3 | n/a3 |
| Pasture DMI, kg/d | 8.77 | 9.58 | n/a3 | n/a3 |
| Total DMI, kg/d | 17.0 | 17.7 | n/a3 | n/a3 |
| Plasma cortisol, ng/mL | 95.7 | 111 | 16.6 | No |
| Plasma NEFA, µg/dL | 129 | 111 | 12.7 | No |
| Plasma T3, ng/mL | 0.89 | 0.81 | 0.03 | Trend |
| Plasma T4, ng/mL | 41.9 | 39.7 | 1.86 | No |
| Rectal temperature, °C | 38.2 | 38.3 | 0.07 | No |
| Respiration rate, /min | 44.5 | 44.3 | 1.79 | No |
| Methane emissions, (g/day) | 320 | 320.8 | n/a3 | n/a3 |

1SED = standard error of least square means difference 2Statistical significance was declared at *P*-value of <0.05, trends were declared at *P*-value of <0.1 3Statistical analysis not available for these parameters