Table 1: Effects of kelp meal on performance and milk production of Jersey cows supplemented with kelp meal during the grazing season.

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| --- | --- | --- | --- | --- |
| Dietary Levels of Kelp Meal | | |  |  |
|  | 0 oz | 4 oz | SED1 | *P*-value2 |
| Milk yield, kg/d | 12.4 | 13.0 | 0.90 | 0.56 |
| Milk fat, % | 4.36 | 4.51 | 0.25 | 0.55 |
| Milk fat, kg/d | 0.54 | 0.57 | 0.04 | 0.47 |
| Milk protein, % | 3.56 | 3.54 | 0.14 | 0.89 |
| Milk protein, kg/d | 0.44 | 0.45 | 0.03 | 0.59 |
| Milk lactose, % | 4.69 | 4.70 | 0.04 | 0.77 |
| Milk lactose, kg/d | 0.57 | 0.60 | 0.05 | 0.64 |
| Milk solids nonfat, % | 9.12 | 9.24 | 0.18 | 0.49 |
| Milk solids nonfat, kg/d | 1.12 | 1.15 | 0.08 | 0.70 |
| Milk total solids, % | 13.5 | 13.6 | 0.40 | 0.80 |
| Milk total solids, kg/d | 1.66 | 1.70 | 0.12 | 0.73 |
| MUN, mg/dL | 11.6 | 12.1 | 0.58 | 0.40 |
| Milk iodine, µg/L | 138 | 592 | 66.1 | <0.0001 |
| Plasma cotisol, ng/mL | 95.7 | 111 | 16.6 | 0.36 |
| Plasma NEFA, ug/dL | 129 | 111 | 12.7 | 0.18 |
| Plasma T3, ng/mL | 0.89 | 0.81 | 0.03 | 0.09 |
| Plasma T4, ng/mL | 41.9 | 39.7 | 1.86 | 0.25 |

1SED = standard error of the least square means difference.

2Probability of treatment effect (0 vs. 4 oz of kelp meal supplementation).