Table 1. Economic net return from from a grass-legume mixture grazing study conducted in Utah in 2012 and 2013. Treatments were tall fescue-birdsfoot trefoil (TF+BFT), tall fescue-alfalfa (TF+ALF), and tall fescue fertilized (TF+N) and unfertilized (TF–N) pastures.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Five-Year Average Calf Price | | | | | | | | | | |
| Trmt | | Initial Weight | Purchase Price † | Initial Value | Final Weight | Final Price | Final Value | Added Value | Added Value‡ | Cost | Net Return |
|
|  | | kg | $∙kg-1 | $∙hd-1 | kg∙hd-1 | $∙kg-1 | $∙hd-1 | $∙hd-1 | $∙ha-1 | $∙ha-1 | $∙ha-1 |
| TF–N | | 339.75 | 2.75 | 933.76 | 384.4 | 2.74 | 1,053.09 | 119.32 | 453.42 | 329.38 | 118.07 |
| TF+N | | 339.75 | 2.75 | 933.76 | 407.84 | 2.65 | 1,081.35 | 147.58 | 1,106.85 | 534.59 | 572.26 |
| TF+ALF | | 339.75 | 2.75 | 933.76 | 414.53 | 2.65 | 1,099.10 | 165.34 | 1,240.05 | 225.20 | 1014.85 |
| TF+BFT | | 339.75 | 2.75 | 933.76 | 421.23 | 2.65 | 1,116.86 | 183.09 | 1,373.18 | 240.10 | 1133.08 |
|  | | 2013 Average Calf Price | | | | | | | | | |
| TF–N | | 339.75 | 3.13 | 1,064.81 | 384.4 | 3.39 | 1,304.71 | 239.90 | 911.62 | 329.38 | 570.25 |
| TF+N | | 339.75 | 3.13 | 1,064.81 | 407.84 | 3.19 | 1,302.47 | 237.66 | 1,782.45 | 534.59 | 1247.86 |
| TF+ALF | | 339.75 | 3.13 | 1,064.81 | 414.53 | 3.19 | 1,323.86 | 259.05 | 1,942.88 | 225.20 | 1717.68 |
| TF+BFT | | 339.75 | 3.13 | 1,064.81 | 421.23 | 3.19 | 1,345.24 | 280.44 | 2,103.30 | 240.10 | 1863.20 |

†Purchase price is average of April and May price, and final price is average of August and September price for the specified years. Years included in the 5-year price were 2009 through 2013.

‡Added value per hectare is based upon the stocking rate of 7.5 steers ha-1 for TF+N, TF+ALF, and TF+BFT, and 3.75 steers ha-1 for TF–N. These are the actual stocking rates used in this study.