

**Table 1. Nutritional composition of Bahiagrass hay and potato\***

<u>Item</u>	<u>Bahiagrass</u>	
	<u>Hay</u>	<u>Potato</u>
Dry Matter, %	92.6	15.7
TDN, %	49.0	82.0
Net Energy maintenance, Mcal/lb	0.36	0.90
Net Energy gain, Mcal/lb	0.12	0.60
Crude Protein, %	6.50	11.5
ADF, %	40.8	5.30
NDF, %	72.4	6.60

\*Analysis on DM basis

**Table 2. Comparison of upcycled Bahiagrass hay and potato ensiled mixture to Bahiagrass hay\***

<u>Item</u>	<u>Hay:Potato Mixture</u>	
	<u>Silage</u>	<u>Diff. Silage and Hay</u>
Dry Matter, %	39.7	-52.9
TDN, %	52.8	4.75
Net Energy maintenance, Mcal/lb	0.46	0.10
Net Energy gain, Mcal/lb	0.21	0.09
Crude Protein, %	8.55	2.05
ADF, %	32.3	8.60
NDF, %	50.4	-22.0
Ammonia, %	0.58	0.58
Starch, %	24.0	20.5
VFA Score	4.40	
Lactic Acid, %	1.57	1.57
Total Acid, %	3.11	3.11

\*Analysis on DM basis

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**Table 3. Bahiagrass hay-potato silage cost\***

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<u>Cost Item</u>	<u>\$/lb.</u>	<u>\$/head/day</u>	<u>\$, 24 days</u>	<u>Cost of Gain (COG)</u>
Silage Bunker	\$0.01	\$0.46	\$11.04	\$0.32
Cull Potatoes	\$0.02	\$0.67	\$15.99	\$0.46
Bahiagrass hay	\$0.04	\$0.42	\$10.08	\$0.29
Dried Distillers Grain (DDG)	\$0.11	\$0.53	\$12.60	\$0.37
Feeding Mach. & Equipment	\$0.00	\$0.02	\$0.53	\$0.02
<b>Total Feeding Costs</b>	<b>\$0.18</b>	<b>\$2.09</b>	<b>\$50.24</b>	<b>\$1.46</b>

\*Feeding 600 lb. feeder steers