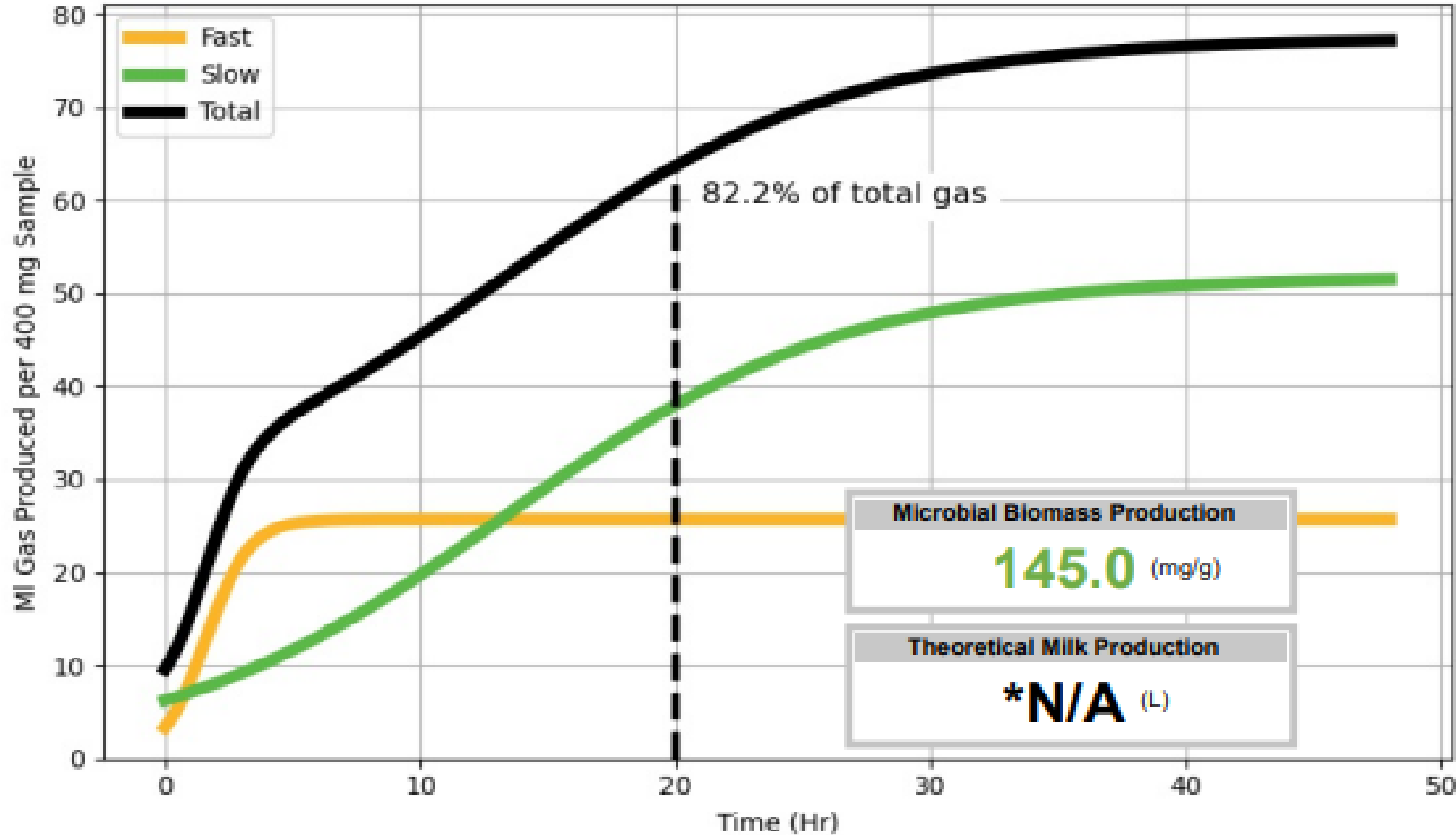


Proxima Dynametrix

Desc: $\beta^3\#$

Origin: Delfino

Run Date: 2021-08-23



| | DM |
|------------------|-----------|
| Moisture % | - |
| Dry Matter % | - |
| Crude Protein % | - |
| AD-ICP %CP | - |
| ND-ICP %CP | - |
| SP BB %CP | - |
| SP Microbial %CP | - |
| Lignin % | - |
| ADF % | - |
| aNDF % | - |
| EE % | - |
| Sugar % | - |
| Sugar (WSC) % | - |
| Starch % | - |
| NFC % | - |
| aPF | 3.29 |
| aOMD (%DM) | 47.25 |
| Dietary Sodium | Excessive |
| uNDF48 %DM | Caution |

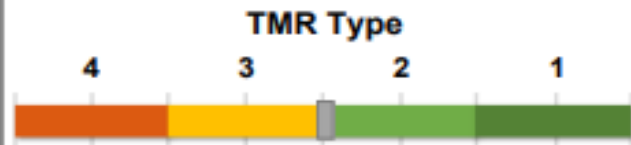
| Hour | Slow Kd | Fast Kd |
|------|---------|---------|
| 2.0 | 1.98 | 27.97 |
| 7.0 | 3.04 | 0.20 |
| 12.0 | 3.72 | |
| 24.0 | 2.08 | |

| Digestion Rates | | Type Probabilities | | Time to Max Rate (Hr) | |
|------------------------|-------|--------------------|-------|-----------------------|-------|
| Fast Pool (Kd/hr) | 29.48 | Type1 | 0.0% | Type2 | 51.2% |
| Slow Pool/C:B3 (Kd/hr) | 3.75 | Type3 | 48.7% | Type4 | 0.1% |
| C:B1 | 19.09 | Fast Pool | 1.61 | Slow Pool | 13.24 |

Proxima Dynametrix



- Please check sodium addition in diet



Key Message - Fast "fast pool" and Slow "slow pool"

TMR rates

- CB1 Kd: >25%/hr
- CB3 Kd: <5%/hr

On-Farm Observations

- Sore feet, Repro problems, Poor DMI
- Ketosis in early lactation cows
- Fibre in manure, Low rumen pH
- Variability in body condition score
- Fat/Protein Inversion in >10% of the herd

Actions to Consider

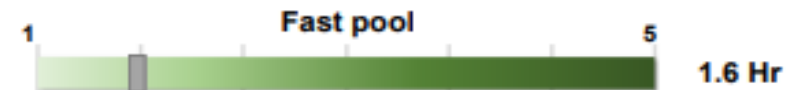
- Increase NDFD by adding non-forage fiber beet pulp, brewers grains, soyhulls

Desc: $\beta^2\acute{u}3\#$



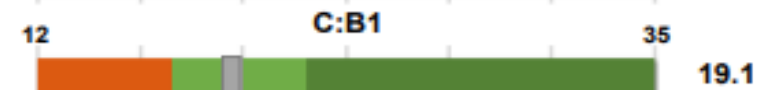
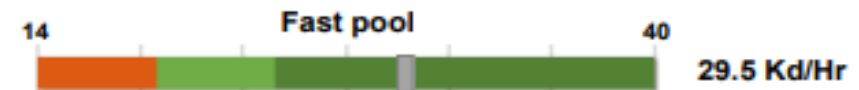
- DMI will suffer

Time to max rate



- Increase chance of acidosis

Fast Pool and Slow Pool Rates



- Ensure fibre degradation is adequate