

## Dairy Fecal Starch Analysis Report

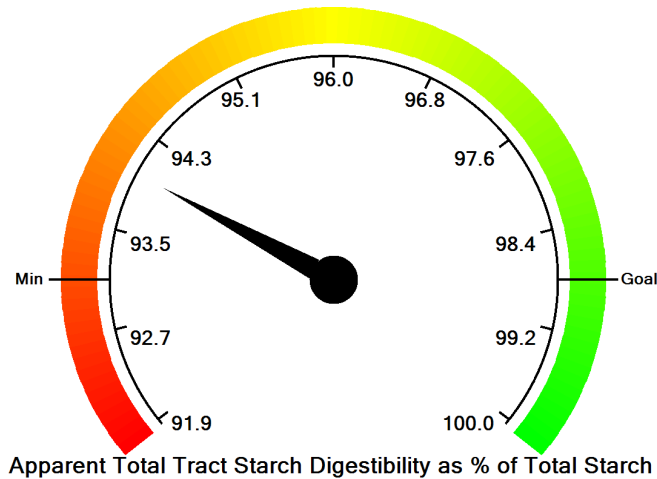
Representative: D

Farm D Manure Pen 15 2019  
Example Farms

**Dry Matter** 15.12%  
**Moisture** 84.88%

Description (%DM unless specified)	Dry Matter Basis	Manure	
		60 dy Avg	4 yr Avg
Dry Matter	15.12	21.3	24.9
Ash	16.87	15.4	15.8
Starch	4.43	2.73	3.00
Apparent Total Tract Starch Digestibility as % of Total Starch*	94.46		

For analysis guidelines, please visit <http://www.rockriverlab.com>



*Goal and minimums set based on 15th and 85th percentiles, respectively, of long term population data*

### Dairy Fecal Starch (% of DM) and TTSD\*

*(Based on 4 years data for US and South America)*

- Goal: 0.76% fecal starch / 99.1% TTSD
- Median: 2.1% fecal starch / 97.4% TTSD, respectively
- Min: 5.5% fecal starch / 93.2% TTSD

Of note: For a 53 lb. dry matter intake, and TMR at 25% starch, every 1 unit change in fecal starch corresponds to 1.25 units different TTSD and about 0.25 lb. corn grain undigested.

Using the same intake and TMR starch % as above, with modified NRC 2001 equations (modified by J. Goeser, unpublished) in a diet performance simulation, a 1 unit gain in TTSD provides enough energy for 1.4 lbs milk.

\* Equation adapted from Fredin et al., 2014. J. Dairy Sci. 97:1862-1871