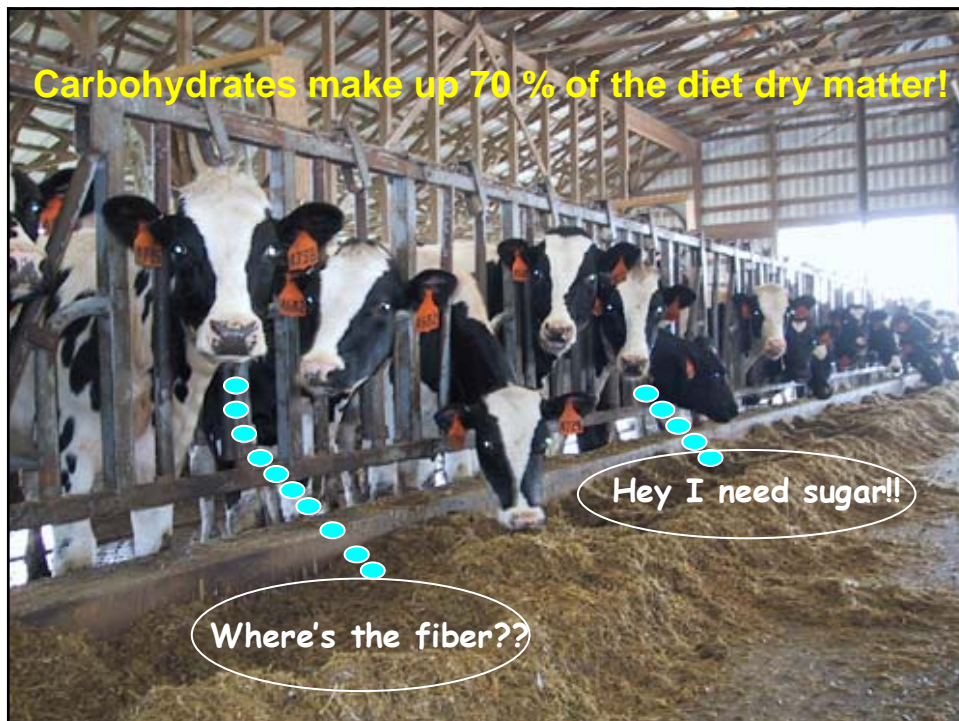


Carbohydrates

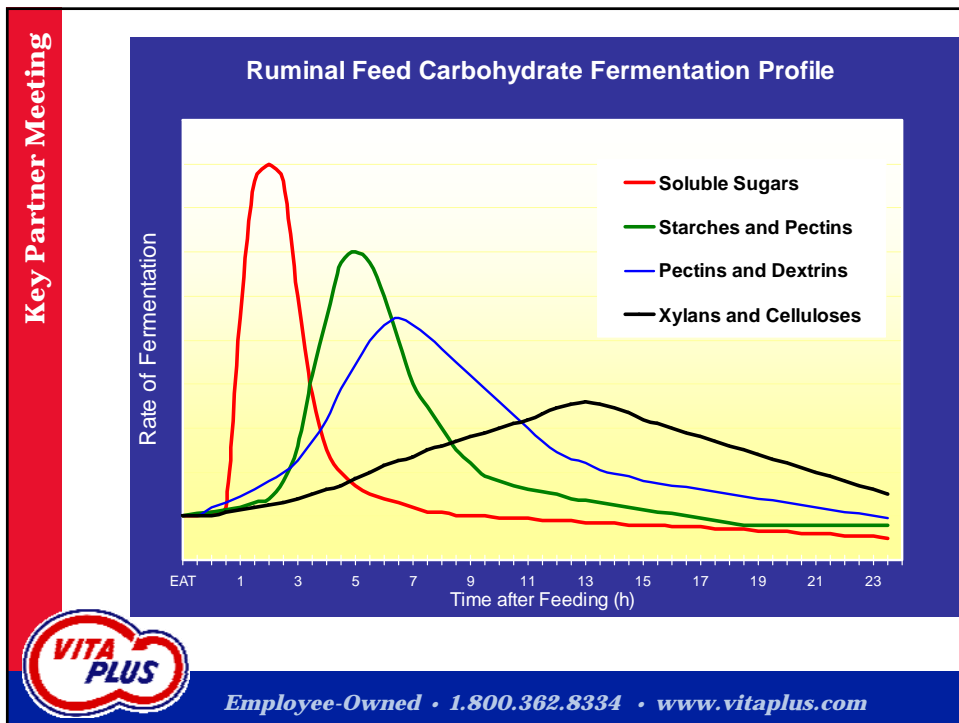
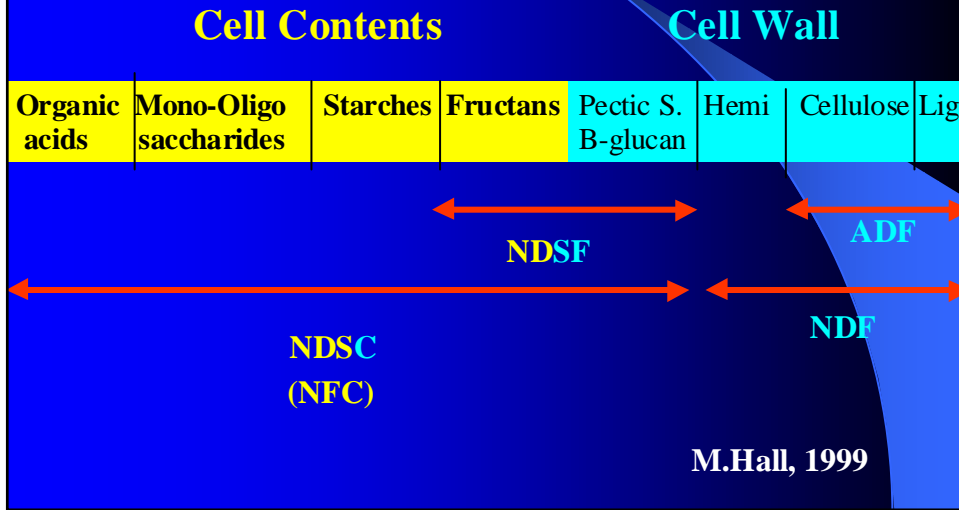
Spence Driver
DTN
Feb 2001



Employee-Owned • 1.800.362.8334 • www.vitaplus.com



Carbohydrate Composition of Chemically Analyzed Fractions



Feeding Dilemma

- **Feed too much NDSC = low pH (acidosis)**
- **Feed too little NDSC = reduced microbial efficiency**
- **OA from silage's provide little energy for microbes**
- **Balancing act?**
 - Sugar 300%/h NPN 300%/h
 - Starch 6-60%/h True Protein 4-12%/h



Employee-Owned • 1.800.362.8334 • www.vitaplus.com

Current Recommendations

- **Basal dairy ration = 1.5 - 3.0% sugar**
- **Ration DM recommendations**
 - Starch 20 - 23%
 - Sugar 5%
 - Add buffer when feeding sugar
 - » Hall, 2000



Employee-Owned • 1.800.362.8334 • www.vitaplus.com

Will you see a sugar response?

- **Improve synchronization between carbohydrate and protein sources**
- **Improve DMI**
- **Poor starch digestion**
- **Forage quality**
 - Poor fermentation
 - Rained on
- **Try it!**

