



CUMBERLAND VALLEY ANALYTICAL SERVICES

Laboratory services for agriculture ... from the field to the feed bunk.

Farm: WEAVER FALLS DAIRY
Desc: CORN SILAGE N PIT 1
Submitter: JONES,JOHN
Account: FOUR STATE FEEDS

Copies to:

Lab ID: 22003 023
Sampled: 05/02/2017
Arrived: 05/04/2017
Completed: 05/05/2017
Reported: 05/05/2017

Corn Silage Processing Score

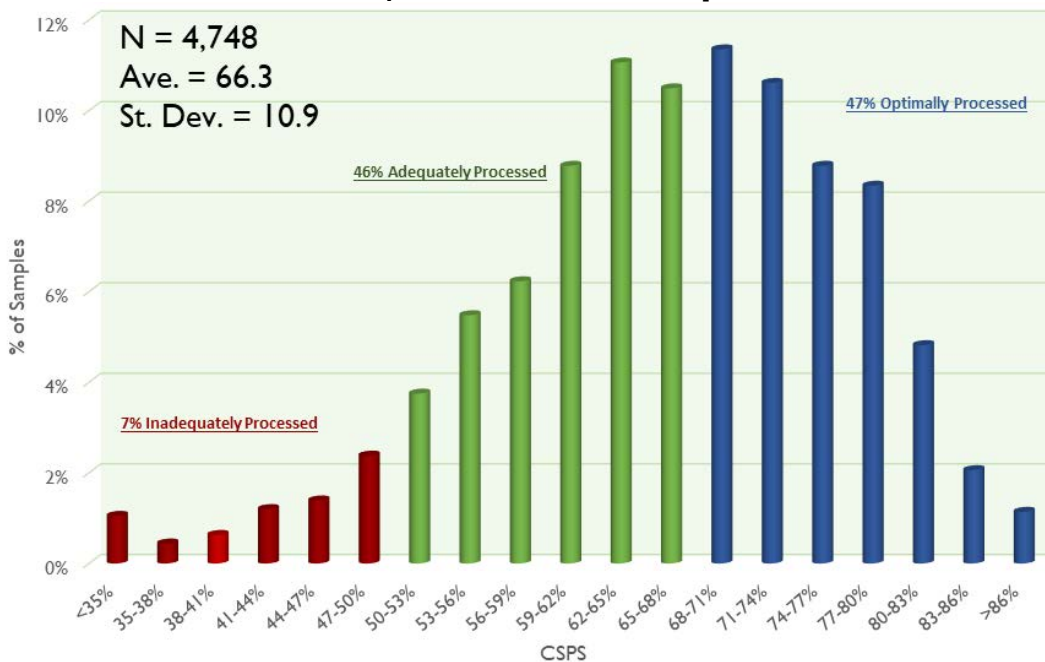
% of starch passing a 4.75mm screen **69.8**

The Corn Silage Processing Score (CSPS) was developed by Dr. Dave Mertens formerly of the USDA Forage Research Center as a tool to define the adequacy of kernel processing by forage harvesters. In addition, the CSPS is a tool that defines starch particle size and can be used to make inference on ruminal and total tract digestibility of corn silage starch. Approximately 600 ml of dried corn silage is sieved in a Ro-Tap Shaker for 10 minutes. This unit oscillates 278 times per minute and "taps" the top of the sieves 150 times per minute to create an aggressive shaking action. Material that passes through the 4.75 mm sieve is collected and analyzed for starch content. The percentage of starch that passes through the screen becomes the "Processing Score".

Guidelines:

- Greater than 70% Optimally Processed
- Between 50% and 70% Adequately Processed
- Less than 50% Inadequately Processed

Distribution of Corn Silage Processing Score CVAS, 2022 - 2023 Crop Years



Powered by Cumberland Valley Analytical Services, Inc.



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