

PELLET BOND™
MIXING AND PELLETING PROCEDURES

Proposed procedures to obtain more durable pellets (higher PDI) with fewer fines and realize potentially lower energy costs from lubrication of the die, and increased product through put.

- Add all ingredients in proper sequence to the mixer.
- Add PELLET BOND™ as the last ingredient in the sequence to insure proper mixing with the other ingredients in the formulation and to obtain through coating of the PELLET BOND™ with the other ingredients in the mix. Do not add PELLET BOND™ as the 1st ingredient in the mix or at the bottom of the batch mixer.
- Mix the total mixture with the PELLET BOND™ an adequate time to get uniform mixing and proper coating of the binder with the other ingredients in the mix.
- All liquids, including water should be added as the last ingredients in the sequence.
- Activate the PELLET BOND™ with proper amounts of steam, moisture and heat to activate the binder and facilitate the pelleting process. It is very essential to have adequate moisture and water present in sufficient amounts to activate the binder. Many mills may have to add .5% to 1% (10-20 lb) water to properly activate the PELLET BOND™. This is very important if using dry steam.
- The PELLET BOND™ will absorb moisture and water to aid in lubrication of the die, to reduce friction, and to allow increased temperatures at the pellet mill. Run pelleting temperatures as high as possible to aid in the natural gelatinization of the ration.
- PELLET BOND™ normally allows temperatures to run 15-20 degrees higher than formulas without a binder. (As a general rule, the higher the temperatures- the better the pellet, with most formulations).

Summary of PELLET BOND™

- Higher PDI pellets - firmer more durable pellets
- Less fines and product loss - less recycling of product
- Higher pelleting temperatures of 15-20 degrees – better gelatinization
 - Better die lubrication – less friction and wear
 - Lower energy requirements – less pelleting costs
 - Less pelleting run time – increased throughput
 - Lower manufacturing costs – more margin and profit