

Benefits of using Borregaard LignoTech's Pelleting aids



Production Manager

Today's feed formulations are designed to achieve a specified nutritional value, using a selection of available raw materials to meet the desired least cost solution of the formulated ration. However, the importance of producing durable and dust-free pellets are often forgotten or not paid sufficient attention to.

When formulating according to the least cost principle, feed manufacturers tend to forget the costs associated with producing good pellet physical quality. The use of Borregaard LignoTech's pelleting aids can be a very cost-efficient solution to this dilemma.

Borregaard LignoTech's pelleting aids offer a number of benefits that should be of great interest to the production manager:

- Increased productivity by reducing frictional heat in the pellet mill die (matrix), resulting in a greater and better pellet mill efficiency
- More consistent and stable production, resulting from better control of operating conditions and the management of pellet physical quality
- Increased traction on rollers improves meal flow through the pellet mill die (matrix) resulting in less down time due to blockages
- Reducing frictional heat in the pellet mill die makes it easier to produce heat sensitive formulations (e.g. those rations containing milk powder, sugar and urea)
- Reduced pellet mill operating problems from the selection of hard and difficult to pellet raw materials (e.g. those rations containing cassava, brans and minerals).
- Fewer pelleting production problems giving rise to increased pellet mill operator confidence

LignoBond *DD*[®]

PellTech[®]

Ameri-Bond *2X*[®]



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- Improved conditioning enables the use of a higher meal temperature and steam addition just prior to pelleting
- A lower specific energy (kWh/t) for the pelleting process resulting in a reduction in the cost for electrical energy
- Increased lubrication, reducing frictional heat and abrasion, resulting in reduced maintenance costs and prolonged pellet mill die (matrix) and roller life
- Increasing the Pellet Durability Index (PDI) improves the physical structure of the pellets
- Optimization of the pellet moisture content resulting in less shrinkage and increased profitability
- Free flowing pellets having improved handling characteristics and a higher bulk density
- Better pelleting efficiency is achieved with fewer fines returned from post pellet screening that require further processing
- Less segregation of fines during storage and packaging provides a uniform feed of wholesome pellets

