



Borregaard



BENEFITS OF USING BORREGAARD'S PELLETING AIDS

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 ratio. However, the importance of producing durable and dust-free pellets is 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's pelleting aids can be a very cost-efficient solution to this dilemma.

Borregaard's pelleting aids offer several 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 downtime 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
- Improved conditioning enables the use of a higher meal temperature and steam addition just before pelleting
- A lower specific energy (kWh/t) for the pelleting process results in a reduction in the cost of electrical energy
- Increased lubrication, reducing frictional heat and abrasion, resulting in reduced

PellTech[®]

LignoBond[®] DD

Ameri-Bond[®] 2X

maintenance costs and prolonged pellet mill die (matrix) and roller life

- Increasing the Pellet Durability Index (PDI) improves the physical structure of the pellets
- Optimisation 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

