

Cotton seed

An Economic Analysis of Hulling Undelinted Cottonseed

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ABSTRACT

A Generalized Processing Plant Cost Simulation System was used to estimate costs and returns for model cottonseed oil mills using two alternative technologies -- saw delinting and hulling undelinted seed. The situations modeled were a 100 tons-per-day (TPD) screwpress and a 300 TPD direct solvent mill in the South, 300 and 600 TPD direct solvent mills in the Southwest, and 300 and 600 TPD pre-press solvent mills in the West. The primary conclusion was that under the assumed conditions -- a three percent oil loss with hulling undelinted seed, 5-year average product and cottonseed prices, and no consideration of cotton dust control costs -- saw delinting provides higher plant net revenues than hulling undelinted seed in all of the mill situations modeled.

Key words: Cottonseed Oil Mills, Delinting, Hulling Undelinted Seed, Costs and Returns, Simulation.

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