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Environment : Math. Appl. in Environmental Science

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# Efficiency Measures in the Agricultural Sector

With Applications

- Offers a thorough introduction to efficiency modeling in agriculture
- Incorporates both Data Envelopment Analysis (DEA) and Stochastic Frontier Analysis (SFA)
- Provides a lucid, non-specialist's approach to sophisticated modeling for agricultural efficiency

The editors draw on a 3-year project that analyzed a Portuguese area in detail, comparing this study with papers from other regions. Applications include the estimation of technical efficiency in agricultural grazing systems (dairy, beef and mixed) and specifically for dairy farms. The conclusions indicate that it is now necessary to help small dairy farms in order to make them more efficient. These results can be compared with the technical efficiency of a sample of Spanish dairy processing firms presented by Magdalena Kapelko and co-authors.

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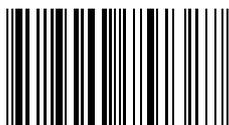
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