



Bioenergy Sustainability

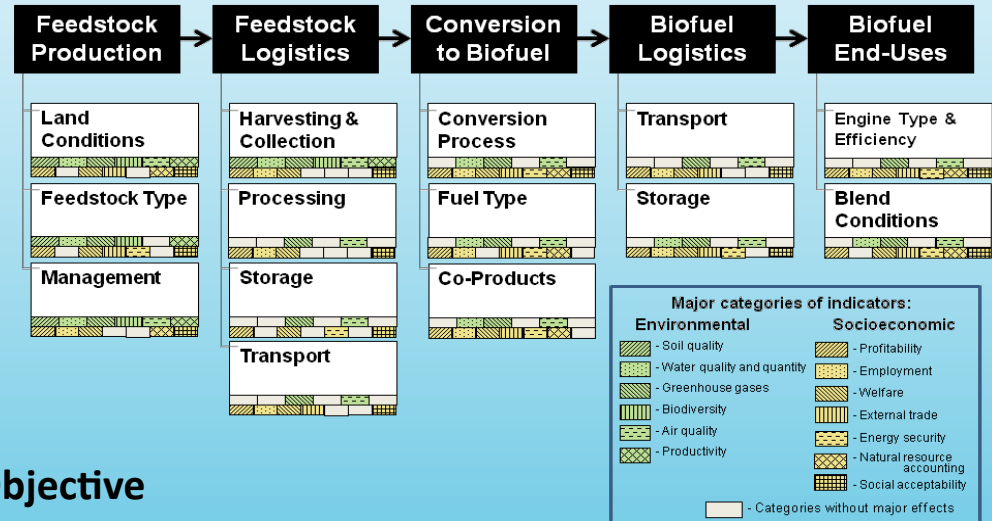
V.H. Dale, L.M. Baskaran, M. Davis, M.E. Downing, L.M. Eaton, R.A. Efraymson, C.T. Garten Jr., N. Griffiths, M. Hilliard, K.L. Kline, H.I. Jager, M. Langholtz, A.C. McBride, R. Middleton, P.J. Mulholland, G. Oladosu, E.S. Parish, P.E. Schweizer, A. Sorokine, J.M. Storey, and N. Thomas

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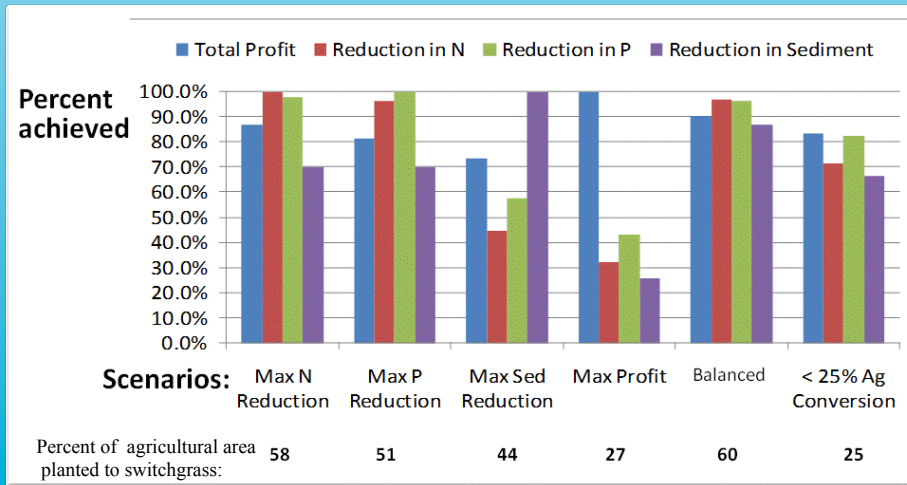


Sustainability:
The capacity of an activity to continue while maintaining options for future generations.

Where Categories of Sustainability Indicators Are Affected within the Supply Chain



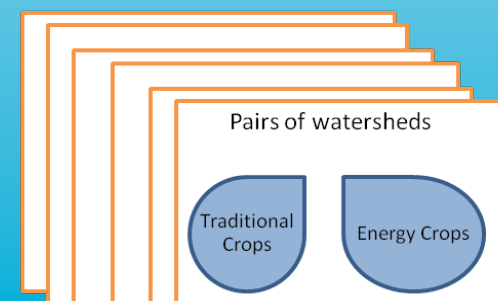
Projections of Potential Achievable for Each Objective



The total land area recommended for switchgrass is 1.3% of the total Little Tennessee watershed area (out of 272,750 ha).

Testing the Indicator Suite

Watershed Experimental Design



Data collected on socioeconomic and environmental measures of sustainability

- Indicators should be tested in a variety of systems
- Context-specific knowledge is imperative
- Paired watershed experiments are ideal