

# *The RSB Standard & Certification System*

**Global, multi-stakeholder certification standard on sustainability and biofuels applicable to all feedstocks and biofuel types**



- ❖ Developed and approved by about **120 members from more than 35 countries** representing private sectors along the supply chain and NGO's. **RSB is a full ISEAL Member.**
- ❖ **Differentiate** better biofuels from unsustainable pathways
- ❖ Covering the **entire supply chain**
- ❖ **12 Principles & Criteria (Human & Labor Rights, Biodiversity, GHG, Food Security)**
- ❖ Applies to **all feedstocks and supply chains (adaptations possible)**
- ❖ **RSB Tool** incorporates global GHG calculators for various international regulations

# RSB Certification Process

- Sustainability information is collected for the producer group, typically by the mill
- RSB Tools and Processes:
  - ❑ Screening Process
  - ❑ Sustainability Self Evaluation
  - ❑ Environmental and Social Management Plan (ESMP)
  - ❑ Lifecycle GHG Calculation
- Data is verified annually by an independent 3<sup>rd</sup> party verifier

The ethanol mill acts as the certification group manager, collecting and processing data for those that decide to participate



# Supply Chain Sustainability

RSB is founded on 12 Principles which relate to the social and environmental performance of the biomass supply chain.

## Socio-Environmental Criteria

- ❖ Stakeholder Consultation
- ❖ Biodiversity & Ecosystem Services
- ❖ Good Agricultural Practices:  
Soil, Water, Air
- ❖ Land Rights and Human Rights
- ❖ Food Security and Rural Development
- ❖ Greenhouse gas emissions

## Lifecycle Greenhouse Gas Accounting

- ❖ Attributional LCA modeling
- ❖ IPCC land-use change emissions factors
- ❖ Ecoinvent emissions factors for inputs
- ❖ Co-product allocation by economic value
- ❖ Global average fossil fuel baseline

Feedstock  
Production



Feedstock  
Processing



Industrial  
Processing

