Silvopastoral systems can reduce emissions and create multiple wins in beef production

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agri benchmark Beef and Sheep Network, CIPAV
Results silvopastoral systems

Case 1 – BEEF FINISHING

COLOMBIA
Region: Cesar

Climate condition: Dry tropical

Baseline vs. SPS
From degraded soils to intensive sustainable production

SPS strategy implemented
Intensive SPS
Leucaena + Panicum + Eucalyptus

Sustainability issue to illustrate
Restoring degraded natural resources
Emphasis on SDG

FORAGE PRODUCTION
Ton. dry matter/ha
700%
compared to baseline

LAND PRODUCTIVITY
Kg. meat/ha
450%
compared to baseline

ECONOMIC RESULTS
Initial investment
USD/Ha. 1,850
Profit (USD/year)

ANIMAL WELFARE
Feeding
Housing
Health
Behaviour
compared to baseline

ENVIROMENTAL IMPACT
Kg CO₂ per 100 kg LW added

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