





Nicaragua has recovered relatively well from a recent *La Roya* outbreak, though climate change and insufficient practices drive further R&R need

Quick facts: Nicaragua is a relatively small producer

Production '000 tons, 2014

90

12th in world 6th in LA

Production share

Global & region

Coffee land '000 hectares, 2014

116

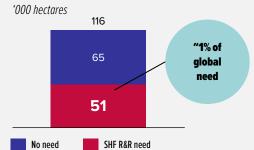
u nectares, 2014

Varieties *Arabica-Robusta*

~100% A ~0% R

R&R need: ~45% of total land is in need of R&R

SHF land in R&R need out of all land



Drivers of R&R need:



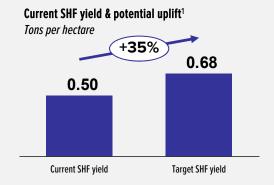






The main drivers are disease (Nicaragua was hit by *La Roya*), bad current practices and old trees in some areas. Climate change could potentially also affect Nicaragua severely

Uplift potential: Though yields are low, SHFs are too few to drive total supply

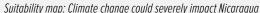


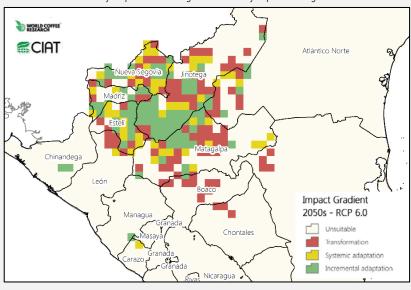
Potential increase in supply

~5-10%

Total national supply could increase ~5-10% if R&R and GAP is implemented on all SHF land in need of R&R²

Viability: Climate change could be a risk – potential for Robusta?





- Several areas of Nicaragua could be severely affected by climate change, requiring transformative investments
- The forecast indicates that impact is spread throughout the country

Other viability considerations (from GCP viability study)

- Less than 2% of the production is currently in Robusta, but private sector investments expect to increase production of Robusta by 30% in 2017/18
- Farmers receive ~68% of the export price and the supply chain involves a number of intermediaries – there is room for increasing supply chain efficiency and SHF share of export price
- Nicaraguan coffee is well placed to qualify as specialty coffee. However, farmers are not currently incentivized to invest in quality improvements as they are unable to capture the associated premium

Notes: (1) The current yield is calculated on the basis of SHF production divided by SHF land area in 2014, the potential yield uplift comes from the GCP study on Nicaragua: GCP, Nicaragua:







Nicaragua is less dominated by SHFs than other countries, and SHFs are therefore less likely to drive future supply uplifts

Farmer segmentation: SHFs represent ~40% of total production



National production is dominated by larger farms (>14 hectares)

SHFs¹ are predominately in loose value chains, relying on several middlemen to get to market

SHFs '000

30-45 (<1% of global SHFs²)

SHF land '000 hectares

70 ($^{\circ}$ 60% of national land) – average farm size $^{\circ}$ 1.5-2.5 ha)

SHF production '000 tons

36 (~40% of national production)

Assessment of SHF orgs.

Coops are not dominant - export around 20% of coffee in 2012/2013

Links to market

SHFs most often rely on middlemen to sell their coffee. ECOM is dominant in the country and has close links to SHFs

Enabling environment for R&R: Relatively weak environment for R&R

Political environment



Availability of inputs



Availability of finance



Knowledge availability



- Coffee share of GDP: N/A [Coffee share of exports: 8.3% (2015)
- Liberal coffee economy: no coffee institute or board, 3 traders dominate the market (ECOM, Olam, Mercom)
- · Tax income for coffee has been left in a fund because there is no disbursement rules
- Nicaragua has good seedling facilities that provide seeds for the whole region (Honduras, Guatemala, El Salvador) for the 1T1B program (Starbucks). Nicaragua has the 1st private lab for seedlings (CIRAT and ECOM)
- Low availability of finance and limited presence of local banks in the R&R market (long term debt)
- Farmers connected to ECOM has relied on financing via their replanting programs (not just SHFs)
- SHFs lack access to training programs and there is a lack of public extension service officers

Examples of R&R programs: Past R&R programs have largely focused on renovation in response to La Roya

- Root Capital, USAID, Keurig, Starbucks Coffee Farmer Resilience Initiative (2013-2016): USD 3.5 million in loans to a local coop for SHF renovation
- ECOM, Starbucks, IDB, IFC ECOM Renovation (2013-ongoing): ECOM, in a innovative partnership with Starbucks, IFC, and IDB provided renovation loans to Nicaraguan farmers
- Catholic Service Relief, CIAT Rust to Resilience (2014-2016): Renovation program to help farmers overcome La Roya