

4R Nutrient Stewardship PROJECT

**Duration:**

5- year (April 2019 – March 2024)

Key Feature:

- Scalability • supports 9 of the 17 United Nations Sustainable Development Goals • evidence-based policy influence
- enhances target country's existing agricultural plans • positions Canada as a leader in climate change adaptation for smallholder farmers • supports Canada's Feminist International Assistance policy

Target Countries:

Ethiopia, Ghana and Senegal



What is The 4R Solution Project

The 4R Solution project funded by Global Affairs Canada will improve socio-economic wellbeing and resilience of 80,000 smallholder farmers, particularly women, in Ethiopia, Ghana and Senegal by improving agricultural productivity and farm income by incorporating 4R Nutrient Stewardship (Right Source @ Right Rate, Right Time, Right Place®) into fertilizer use management while incorporating important gender and environmental resilience strategies.

Objectives of 4R Solution Project

Enhanced sustainable production using climate smart, best management practices in agriculture and increased value chain access and integration by women and men farmers in the targeted countries

Enhanced representation and influence of women in leadership position & decision-making bodies in farmers' co-operatives within targeted communities

Increased integration of gender sensitive 4R principles in relevant standards and policies globally and nationally in Ethiopia, Ghana and Senegal

Where we work

GHANA

In Ghana we are working in four districts:

Kpandai, East Gonja, Nanumba South and Nanumba North.

Focus crops in Ghana:



Maize



Soybeans



Groundnuts



Rice

ETHIOPIA

In Ethiopia we are working in **Menjar-Shenkora district on Northern Shewa Zone, Amhara National Regional State.**

Focus crops in Ethiopia:



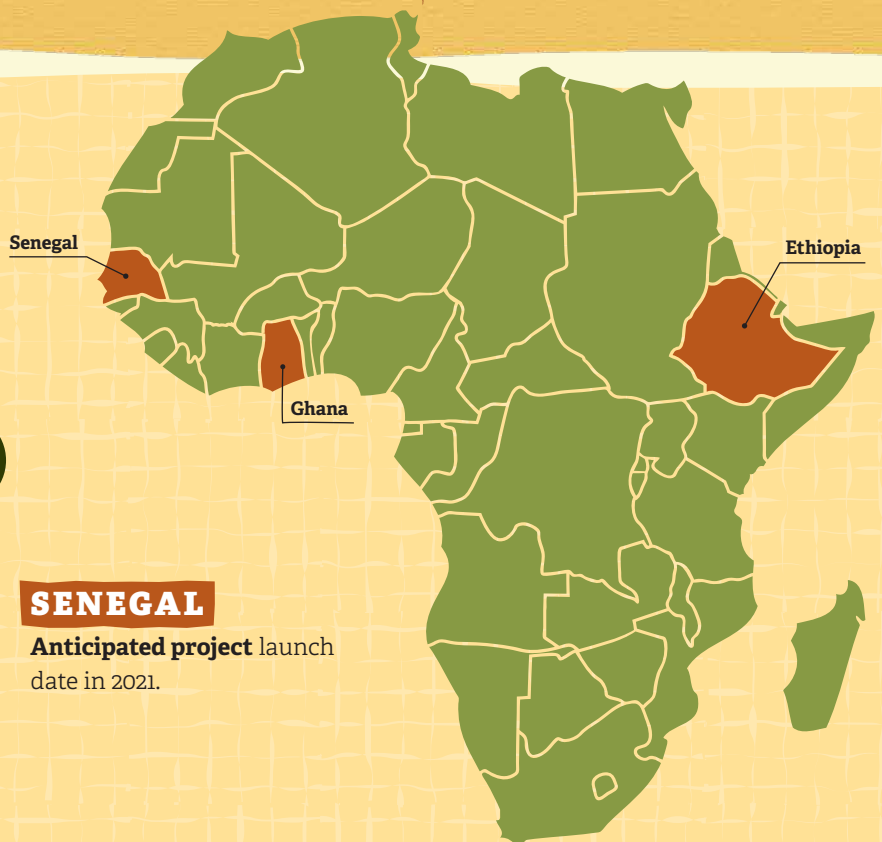
Wheat



Teff

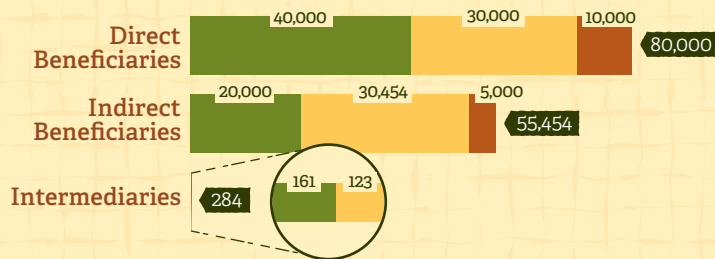
SENEGAL

Anticipated project launch date in 2021.

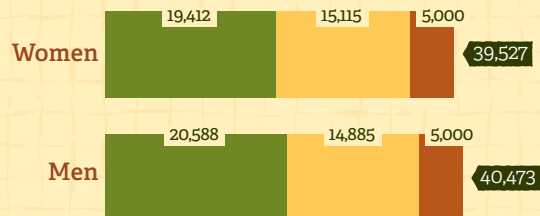


4R Solution Reach in Ethiopia, Ghana and Senegal

TYPES



GENDER



Potential Benefits of the 4R Solution Project to Sub-Saharan Africa

The 4R Solution project's aim is to show how adopting more sustainable farming practices can increase resilience, incomes, and food security, while reducing poverty for men, women and children.

ECONOMIC: Helping smallholder farmers grow more nutritious and marketable crops, increase revenues, productivity and profit margins

ENVIRONMENTAL: reflecting a commitment to improve food security, promote climate smart agriculture and support the UN Sustainable Development Goals

SOCIAL: promoting the empowerment of women farmers, with special emphasis on improving access to financial resources and agricultural technologies

UN Sustainable Development Goals and 4R Solution



Climate action



Decent work & economic growth



Zero hunger



Responsible consumption & production



Gender equality



Reduced inequalities



Life on land



Partnership for the goals

IMPLEMENTING PARTNERS



Global Affairs Canada / Affaires mondiales Canada



Co-operative Development Foundation of Canada



FERTILIZER CANADA / FERTILISANTS CANADA



IPNI CANADA

PRIVATE SECTOR FUNDERS

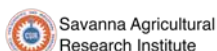


Nutrien Feeding the Future™



LOCAL IMPLEMENTING PARTNERS

Ghana



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