



myAgro is a social enterprise providing smallholder farmers in West Africa with a climate-smart agriculture solution.

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“It is not the same as before the year 2000, when we used to get more rain... [the rain] can start good, but then it stops. And if the field does not have enough water, it is not easy to work with. It is not easy to bring the sand back to life... Nowadays, [farming] requires a lot of effort, the inputs are expensive, and finding inputs is a problem... For a woman to save up all that [money] at once to go buy inputs and fertilizer causes some problems. But the way myAgro is doing it is very helpful... myAgro's program gave me peace of mind.”

NDEYE COUMBA

myAgro Farmer in Senegal



myAgro's Climate-Smart Agriculture Solution

The global climate crisis is having an outsized impact on smallholder farmers in West Africa as rains become more unpredictable and temperatures rise 1.5 times faster than anywhere else in the world. As the region's population continues to rise, it is imperative that smallholder farmers, who produce an estimated 30% of the world's food, are supported to respond to rapidly changing climate conditions. There are a number of ways to label agricultural practices in relation to climate change: regenerative agriculture, agroecology, climate smart, or climate resilient. At myAgro, we have found our solution is best defined as climate smart.

DEFINING “CLIMATE-SMART”

According to [The World Bank](#), climate-smart agriculture (CSA) addresses the interlinked challenges of food security and accelerating climate change. CSA aims to simultaneously achieve three outcomes:



Increased productivity: Produce more and better food to improve nutrition security and incomes, especially for poor and rural farmers;



Enhanced resilience: Reduce vulnerability to climate risks like drought, pests, and disease, and build farmer capacity to adapt in the face of longer-term stressors like shortened rainy seasons and erratic weather patterns; and



Reduced emissions: Pursue lower emissions for each calorie or kilo of food produced, avoid deforestation from agriculture, and identify ways to absorb carbon out of the atmosphere.

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Ndeye Coumba (left) and Ndeye Fall (right), myAgro farmers from Senegal.

How Climate-Smart Agriculture applies to myAgro's model:



CLIMATE ADAPTATION

Increase farmer productivity and livelihoods

myAgro reduces barriers to access by offering small, affordable packages and providing farmers with a secure and convenient savings mechanism via our mobile layaway platform, enabling them to invest in their farms.

myAgro sells treated seeds that are pest- and heat-resistant and the correct type and amount of fertilizer to increase farmer's yields and income.

myAgro provides rainy season crops and year-round poultry enabling farmers to have nutritious food, be food secure, and diversify their income throughout the year to be resilient to climate shocks.



CLIMATE RESILIENCE

Build resilience to the shocks and stresses of climate change occurring now and foreseen in the future

myAgro provides agricultural training that enables farmers to increase their yields, improve their long-term soil health, and prevent erosion through microdosing fertilizer, using organic composting, intercropping, rotating crops, and more.

myAgro is conducting research and trials with local research institutes to reduce the recommended amount of chemical fertilizer and introduce biofertilizers to support farmers in adapting to climate change.

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Reducing the amount of fertilizer used supports farmers adapting to climate change.



CLIMATE MITIGATION

Curb greenhouse gas emissions associated with growing food, where possible

myAgro is scaling agroforestry in Mali with moringa trees. Trees offset carbon emissions, protect soil, animals, crops, and homes from extreme weather, and improve water quality. Moringa tree leaves and stems are also able to be sold six times a year to increase and diversify farmer's incomes.



Harry Traore
myAgro Farmer
in Mali