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The U.S. Government's Global Hunger & Food Security Initiative

Success Story

MEDINA BOYGEL VILLAGE: MEETING ABOUL BALDÉ, A MAIZE FARMER

I became self-sufficient
thanks to
MICRODOSING
technology



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FROM THE AMERICAN PEOPLE



Developing Agriculture from the Ground Up



Abdoul Baldé, a 46-year-old husband and father of four, is a **maize farmer** from the village of Medina Boygel in the Kolda region of Senegal.

According to Abdoul, his profits from previous harvests had never enabled him to cover his family's nutrition needs for a whole year.


"With my production, I could barely feed my family for six months. Beyond that, I sometimes had to borrow money to meet their needs," Abdoul revealed.

In **2021**, Abdoul attended a training course on the fundamentals of microdosing technology organized by the **National Agricultural and Rural Advisory Agency, Lower and Middle Casamance (ANCAR BMC)**, and he also volunteered to conduct a demonstration of the technology.

"The training showed me that I could reduce my fertilizer costs but also increase the yield of my crops compared to my previous practices using nitrogen, phosphorus, and potassium (NPK) and urea fertilizer," said Abdoul.

Abdoul decided to fully adopt microdose fertilizing.

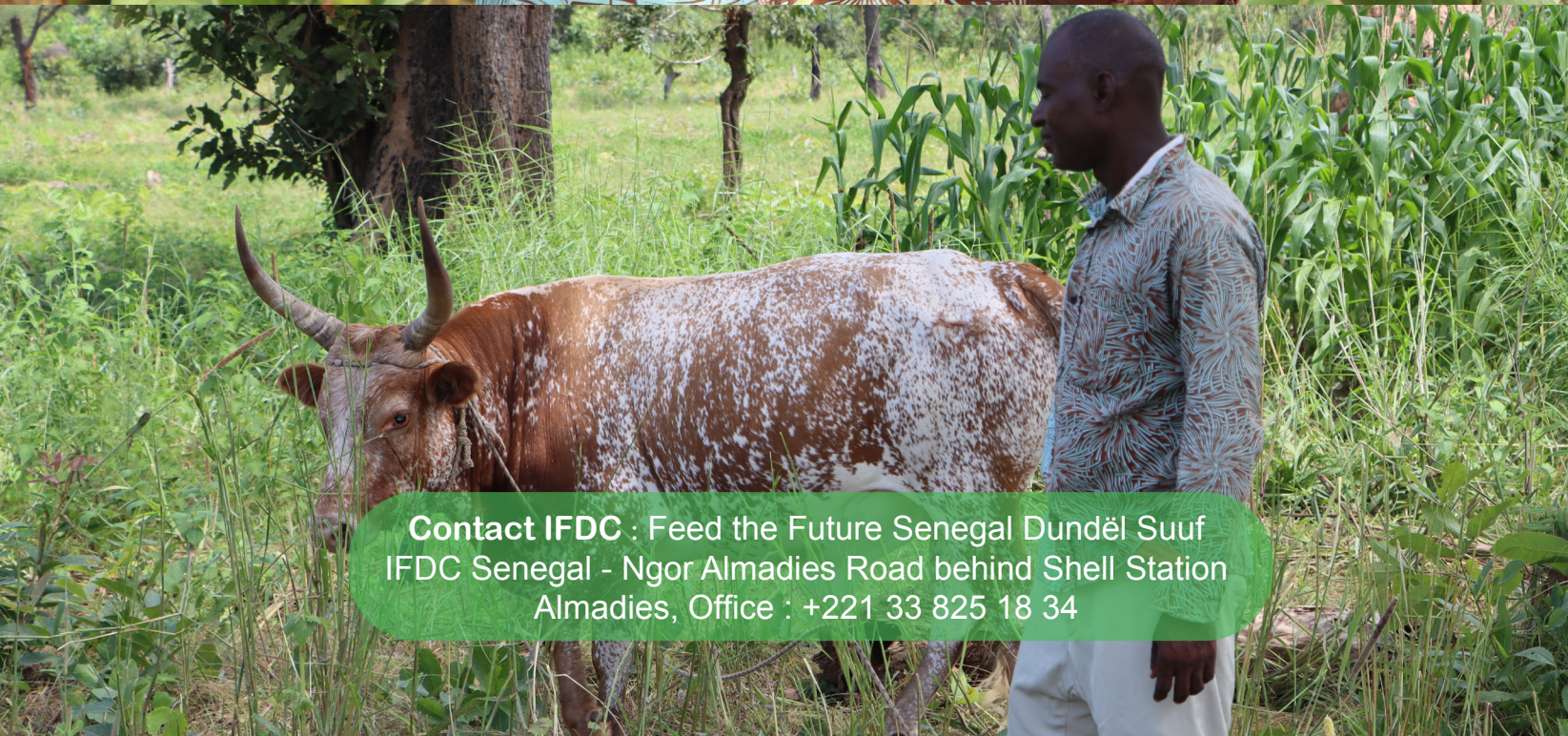
"Now, I only use microdosing because the technology is beneficial. Before, I used to apply 200 kg of NPK fertilizer and 150 kg of urea per hectare, compared to only 125 kg of NPK fertilizer and 75 kg of urea with microdosing," Abdoul explained.

A man with a goatee, wearing a brown and white patterned button-down shirt, stands in a lush green cornfield. He is holding several ears of yellow corn in both hands. The background is filled with tall corn plants under a clear blue sky.

Describing his increased crop yields, Abdoul remarked, “Today, with microdosing, I manage to get **1.5 tons** per hectare, whereas before, my record yield was **800 kg per hectare.**”

The increase in his production and reduction in costs now means that not only can Abdoul feed his family all year round; he can also to pay for his children’s school supplies.

Additionally, with his increase in profit, Abdoul was able to purchase a **cow** for 300,000 CFA francs (**approximately U.S. \$500**). Now the cow can assist Abdoul with field work and provide local manure.



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