

**NJANGUM
NJAMBAAR
(SOIL SAGE)**

1/26/24





Problem Statement

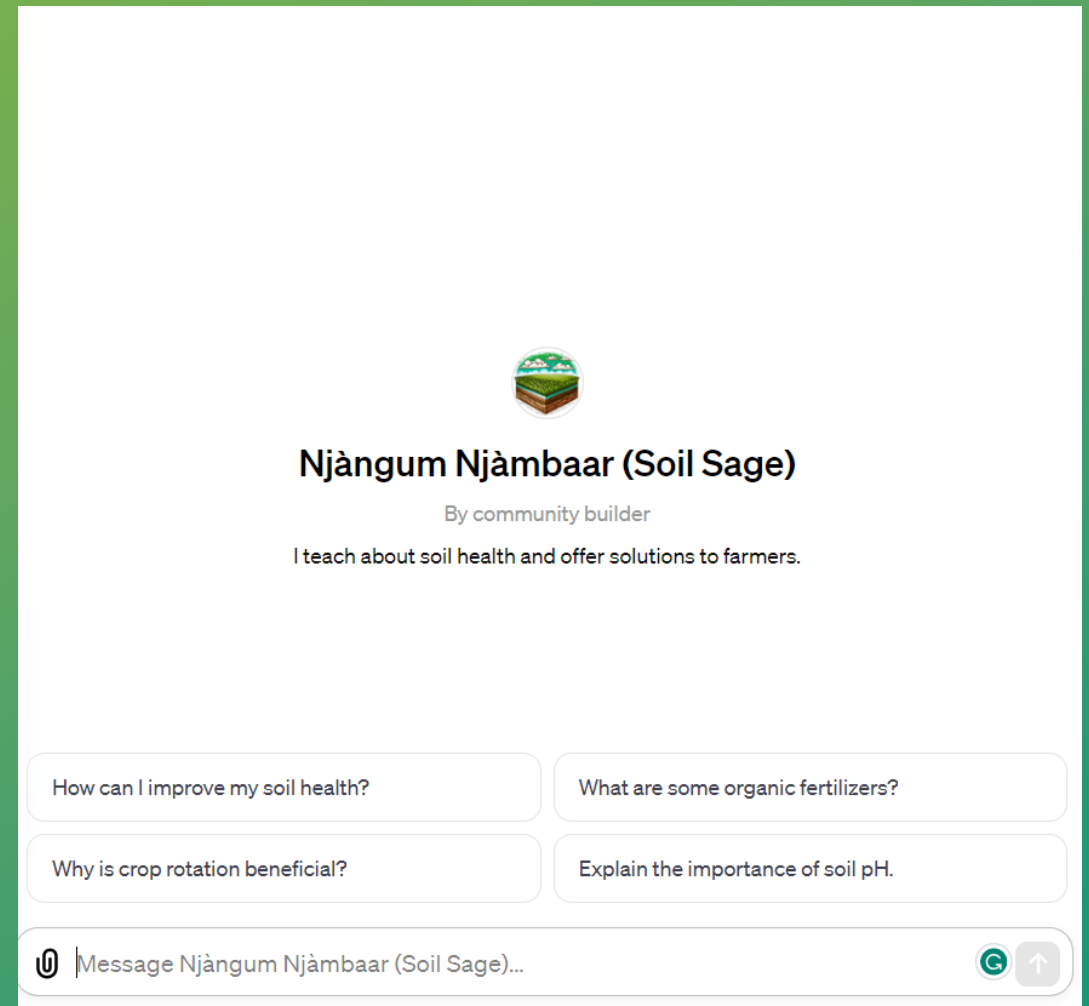
- Rural smallholder farmers often lack access to agricultural consulting professionals due to remote context, and poor extension funding
- GPT's offer the ability to reach remote farmers, but need to be context specific (language, culture, growing info) to be useful to farmers



Njangum Njambaar

- This is custom GPT that is made to respond in Wolof, for the West African Country The Gambia
- It is also trained with a database of knowledge on best growing practices specifically in The Gambia for common products – groundnuts, sorghum, millet
- Information can be added to this GPT by local non-profits and government ministries to add context specific information for farmers
- The GPT asks for details about management practices from the farmer, and then gives them opportunities to improve soil health

OPENING SCREEN



AFTER ASKING A QUESTION, THE GPT OFFERS SOURCES FOR THE USER TO DOWNLOAD.

A You

I am growing peanuts, they are not producing well, what do i need to improve?




Njàngum Njàmbaar (Soil Sage)






Improving peanut production involves addressing several key factors, including variety selection, soil health, irrigation, pest and disease control, and proper harvesting techniques. Let's discuss each of these aspects:


1. **Variety Selection:** Choosing the right variety is crucial. Select varieties that are well-suited to your region's climate and soil. Some varieties are more resistant to diseases, pests, and drought. For instance, improved varieties like Samnut 22, 23, 24, 25, 26, 27, and 28 have shown resistance to common diseases like rosette and leaf spots, and they have different maturing times suitable for various regions
【HANDBOOK_ON_IMPROVED_AGRONOMIC_PRACTICES_OF_GROUND+source】 .
2. **Soil Health and Preparation:** Groundnuts prefer well-drained, sandy loamy soils. Avoid planting groundnuts on the same field for more than two years consecutively, as this can lead to a buildup of diseases and nutrient deficiencies. Implement crop rotation, preferably with cereals, to improve soil health and reduce disease risk. Ensure the land is well ploughed and harrowed before making ridges for planting
【HANDBOOK_ON_IMPROVED_AGRONOMIC_PRACTICES_OF_GROUND+source】 .

IF YOU OPEN THE
CONVERSATION WITH
WOLOF, IT RESPONDS
IN WOLOF

Njàngum Njàmbaar (Soil Sage) ▾

 You
nanga def

 Njàngum Njàmbaar (Soil Sage)
Nanga def! Njàngum Njàmbaar laa. Nan nga def?
   

 Message Njàngum Njàmbaar (Soil Sage)...



ChatGPT can make mistakes. Consider checking important information.