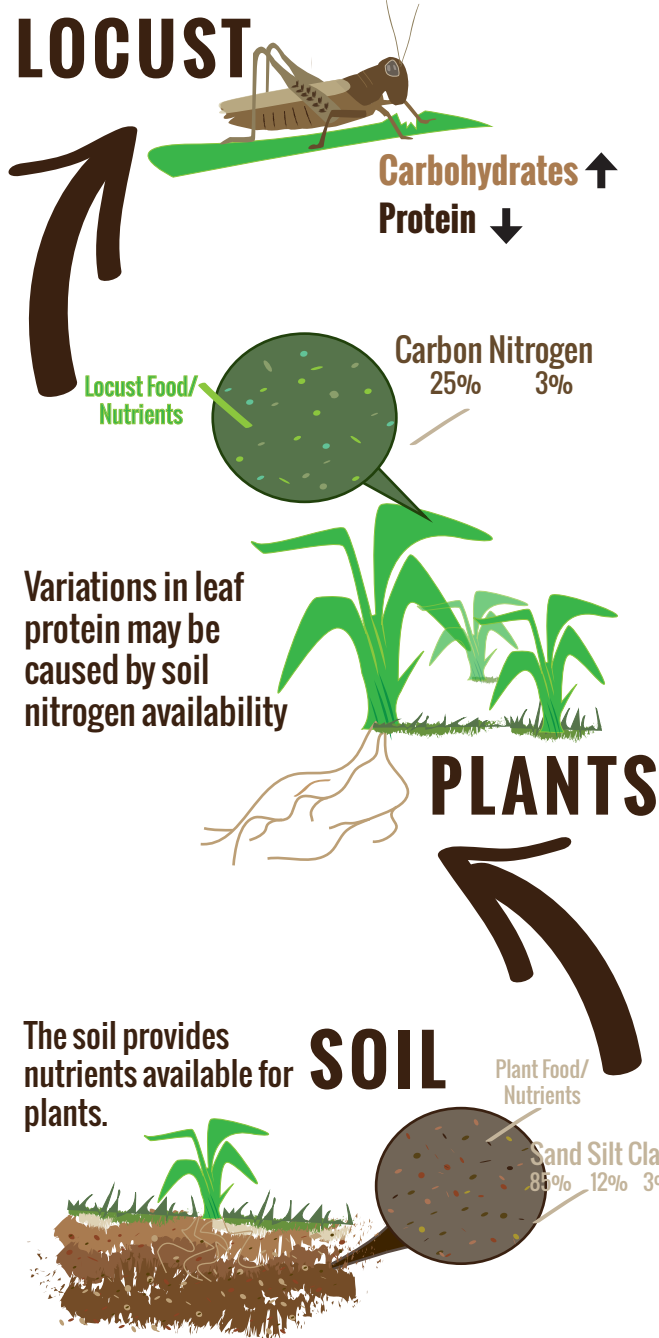


NUTRIENT CYCLING

Our research shows that locusts prefer to eat plants low in protein.



Thank you!

Studying and combating locusts in Senegal and around the world.



LIVING WITH LOCUSTS



CONTACT US!

Arizona State University
Dr. Arianne Cease
acease@asu.edu

Dr. Marion Le Gall
marion.le.gall@asu.edu

Mira Word
mword@asu.edu

Balanding Manneh
bmanneh@asu.edu

McGill University
Dr. Brian Robinson
brian.e.robinson@mcgill.ca

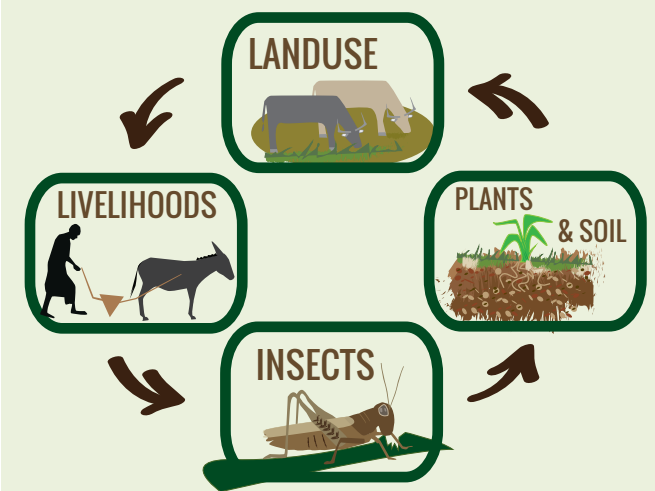
DPV Direction de la Protection
des Végétaux
Dr. Emile Victor Coly, National
Director
dpv1@orange.sn

Mr. Mamadou Diallo, Nganda
Phytosanitary Base Director
mamoudiallo60@gmail.com

Kaffrine Region Interlocutor
Mr. Alioune Beye
toubabeye@yahoo.fr



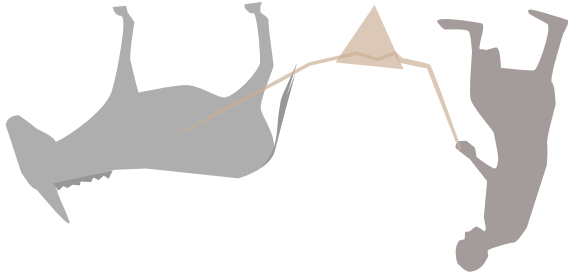
DIRECTION DE LA PROTECTION DES VEGETAUX



Our research has revealed connections among land management, plant nutrients, and locust outbreaks.

www.livingwithlocusts.com

WHAT YOU CAN DO!



INCREASE ORGANIC MATTER (living or dead plant and animal material). It's important for good soil quality, especially in sandy soils! It retains and releases nutrients and keeps water in the soil to help plants grow.

- Plant Trees
- Don't remove shrubs



(they increase soil fertility and can also attract natural enemies of locusts such as beetles)

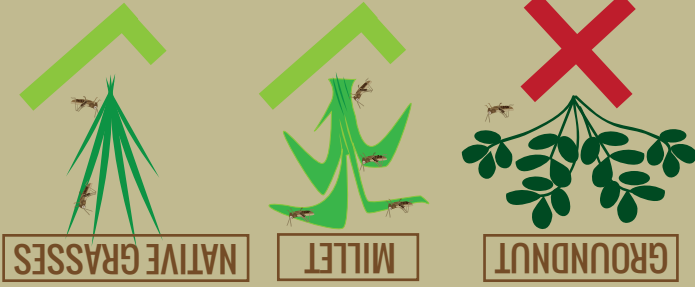
- Plant Cover Crops
- Apply Manure
- Plow under residue after harvest



If you find abundant locusts in your fields, inform the DPV: Kaffrine region Mr. Mamadou Diallo 00221775373820

LOCUST PLANT PREFERENCE

Locust always chose millet leaves over groundnut and show a slight preference for millet over other native grasses.
Why? We think it's because groundnut leaves have higher percentages of nitrogen than millet and native grasses.



WHY WE TOOK SOIL SAMPLES

We wanted to see if soil nutrients and other properties influence the concentration of nutrients in plant leaves.



More soil nutrients could produce plants that locust don't like to eat!

LOCUST ABUNDANCE

We found more locust in fallow and grazing areas than in crop fields, groundnut had the least.

