

# CEA-CCBAD, University Félix Houphouët- Boigny (UFHB), Côte d'Ivoire

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2<sup>nd</sup> Africa-Japan Higher Education Partnership Workshop

Tokyo, Japan

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- ▶ Country of origin : Benin republic (West Africa)
- ▶ Background : Plant Breeding, Seed Systems
- ▶ Host University: CEA-CCBAD, UFHB
- ▶ Programme: PhD in Plant Breeding & Genetics
- ▶ PhD research: Genetic study of cowpea resistance to Legume Pod Borer (*Maruca vitrata* F.)
- ▶ Progress: Field screening & genotyping are on-going



# Research areas

**Cowpea** = Important grain legume  
& food security crop in Africa



=



**80 % yield  
loss in  
cowpea**

**Legume Pod Borer**



**Cowpea** (*Vigna unguiculata*)



Generate knowledge on the genetics controlling resistance to Legume Pod Borer (LPB) in cowpea



## IMPACT

- Increased cowpea productivity in Africa;
- Improved food and nutrition security;
- Increased women processors & farmers' income.



Undamaged vs damaged pods

# Sandwich training experience

## ✦ **Main concentration**

- Biochemical basis of LPB resistance in cowpea

## ✦ **Adding values**

- Product development
- Scientific & Leadership skills
- Research network





**Thank you!**