

11<sup>e</sup> Conférence Annuelle du Cajou de l'ACA



# UNE NOUVELLE VISION POUR DES PARTENARIATS ET DES INVESTISSEMENTS



**Cotonou, Benin**

18-21 septembre, 2017

Partage des connaissances | Exposition | Visites de terrain



## Management of soil fertility and biodiversity on cashew plantations

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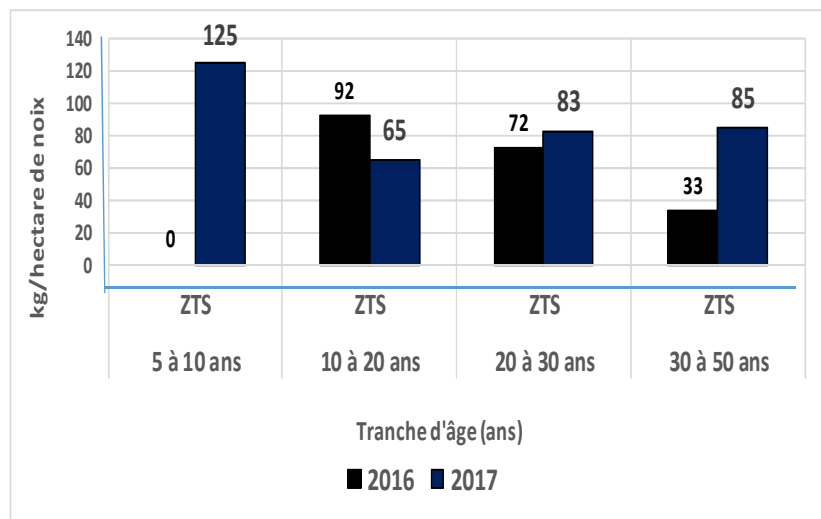
Research Fellow at CAMES

CRA-Centre/INRAB

## Management of soil fertility on cashew plantations

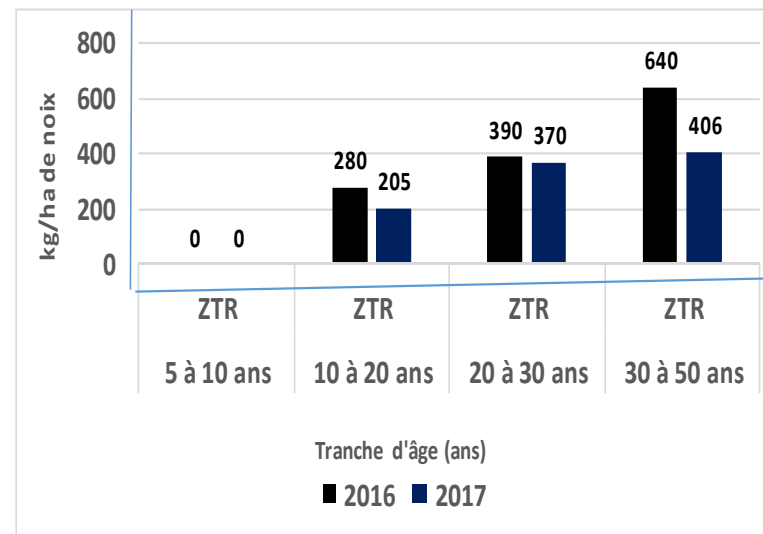
- Weeding in preparation for the planting season
- Combining groundnut, soya, squash, etc., on an undergrowth
- Pruning of tree suckers
- Two cuttings annually in June and October
- Stockpiling the harvested biomass around the base of the trees
- Weeding/clearing or chemical ploughing
- Protection of trees from wildfires in December-January
  - Constructing fire breaks
  - Developing fire drains

### Cashew nut yields (kg/ha) recorded in 2016 and 2017 from farmers' plantations located on sandy soils (ZTS) and clay soils (ZTR)



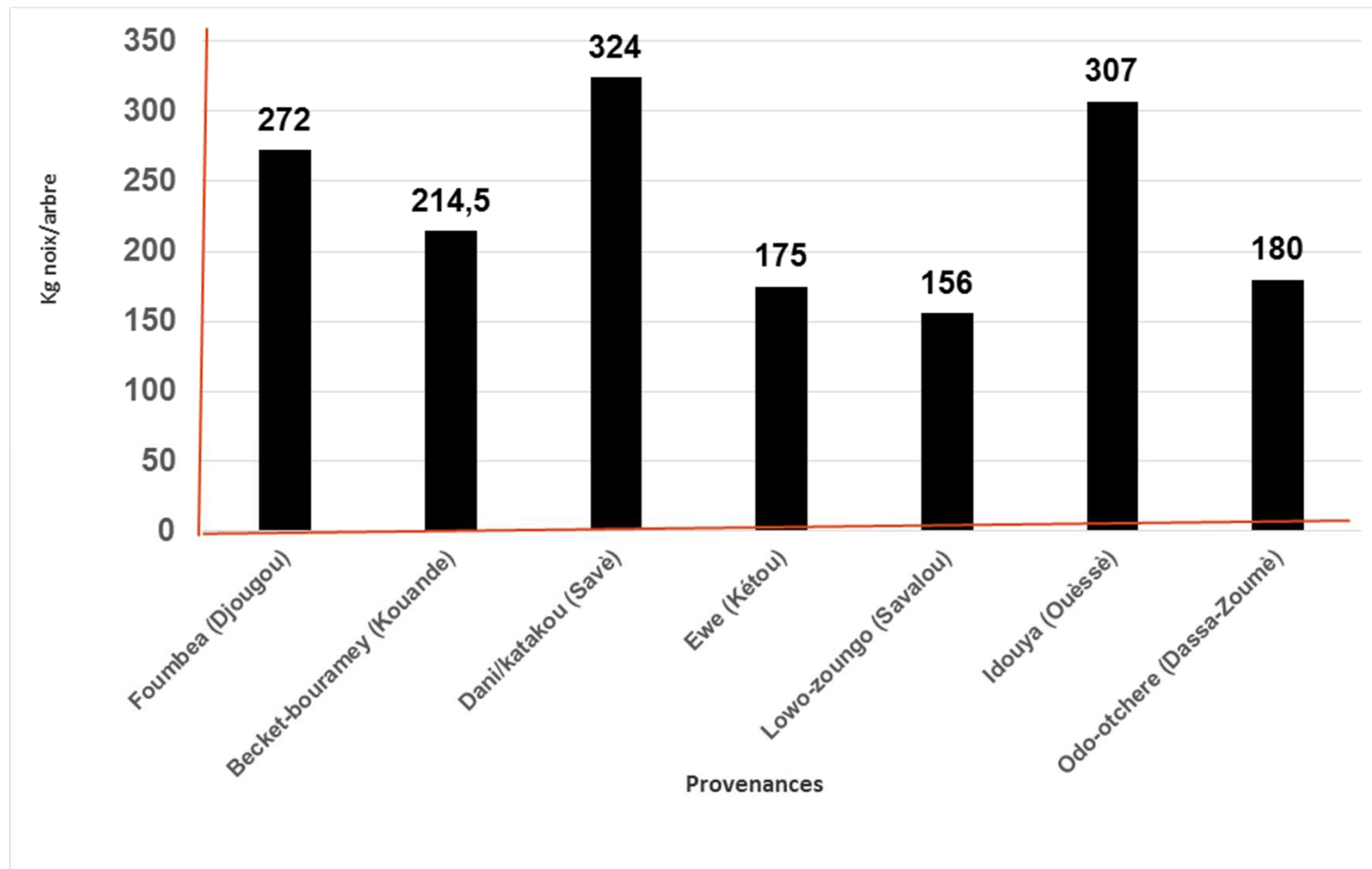
**Figure No. 1 :** Cashew nut yields (kg/ha) recorded in 2016 and 2017 from farmers' plantations located on sandy soils (ZTS)

Source : Field data, 2017



**Figure No. 2 :** Cashew nut yields (kg/ha) recorded in 2016 and 2017 from farmers' plantations located on clay soils (ZTR)

Source : Field data, 2017



**Figure 3 :** Cashew nut yield (kg/ha) from profitable cashew tree clones at the CRA- Centre

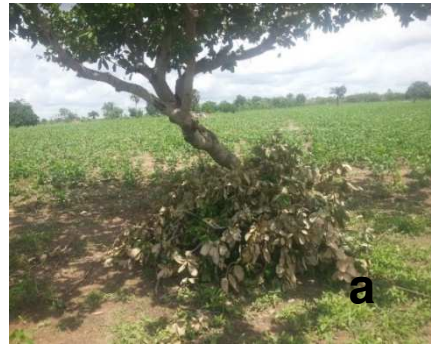
**Source :** Field data, CRA-Centre, 2017



# Management of organic matter by associating cashew tree with soya



**Source :** Field data of Bello (2017)



**Figures a to f :** Adaptation strategies developed by cashew producers.

- a) mulching with cashew tree;
- b) Supply of animal waste;
- c) regular management plantation;
- d) Pruning of branch;
- e) Hedge against violent winds;
- f) Association of cashew tree with legume

**Source:** Field data of Bello (2017a)

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**Thank you for your kind attention**

