

TECHNICLAL SHEET

Multifunctional gin

Context of creation of the multifunctional gin

Thanks to the support of the West African Agricultural Productivity Program (PPAAO-TOGO), AMAVI Azossou Ameh P., a blacksmith based in Tabligbo, owner of the "VINIO-BODE" forge and specialized in the manufacture of tools for the processing of agricultural products, thought to lighten the task of cereal and legume producers (N'DOH, 2016). To do this, he developed two types of mechanical multifunctional gins, including a mobile and an immobile gin (N'DOH, 2016). The immobile multifunctional machine is 450,000 FCFA and 765,760 FCFA for the mobile multifunctional gin and the service price varies between 6 FCFA and 10 FCFA per kg of ginned grain (N'DOH, 2016).

Caractéristiques de la technologie

Two types of multifunctional mechanical shellers have been developed, including a mobile and stationary sheller, capable of shelling one (01) to one point five (1.5) tons of undesired maize cobs per hour with a shattering rate varying between 0.05 to 1 percent. Depending on the variety, the sheller is also capable of shelling 200 to 600 kg of beans per hour or 250 to 450 kg of soybeans per hour with almost no shattering, i.e. 0.05 to 1 percent. It should be noted that this machine consumes only one (01) liter of gasoline per hour of operation.

Bibliographic references

N'DOH I. (2016) : APPUI DU PPAAO-TOGO DANS LA MISE EN ŒUVRE DE NOUVELLES TECHNOLOGIES ; Article publié dans *Le journal agricole* N°33 ; Mensuel d'information agricole et rurale ; page n°11.

Web sites consulted

https://www.inter-reseaux.org/wp-content/uploads/journal_agricole_no33.pdf ;
08/09/2021 at 12h37

<https://togobreakingnews.info/des-egreneuses-made-in-togo-sur-le-marche/amp/?print=pdf> ; 08/09/2021 at 12h51

https://publications-chercheurs.inrab.org/uploads/fichiers/lots2/Fiches%20techniques/Sossou/Fiches%20techniques_SossouComlanHerve_1.pdf ; 08/09/2021 at 12h58

Other references

Regional Center of Excellency on Dry Cerals and Associated Crops ; HOST INSTITUTION: CENTRE D'ETUDES RÉGIONAL POUR L'AMÉLIORATION DE L'ADAPTATION À LA SECHERESSE (CERAAS) ; Host country: Senegal; Coordinator: Ndjido KANE; Email: ndjido.Kane@isra.sn; ndjido.Kane@isra.sn; Telephone: +221 777232019 / +221 339514693