

Core-Trial, Owena, Nigeria

Ogunlade M.O., Olasupo F.O and Famuyiwa B.S.

Cocoa Research Institute of Nigeria (CRIN), Ib. Nigeria

Trial site

Location: Owena, Idanre Local Government, Ondo State, Nigeria; about 18km S/E of Akure-the capital of Ondo State

Coordinates: Lat. 07.20063o, Long. 005.02767o

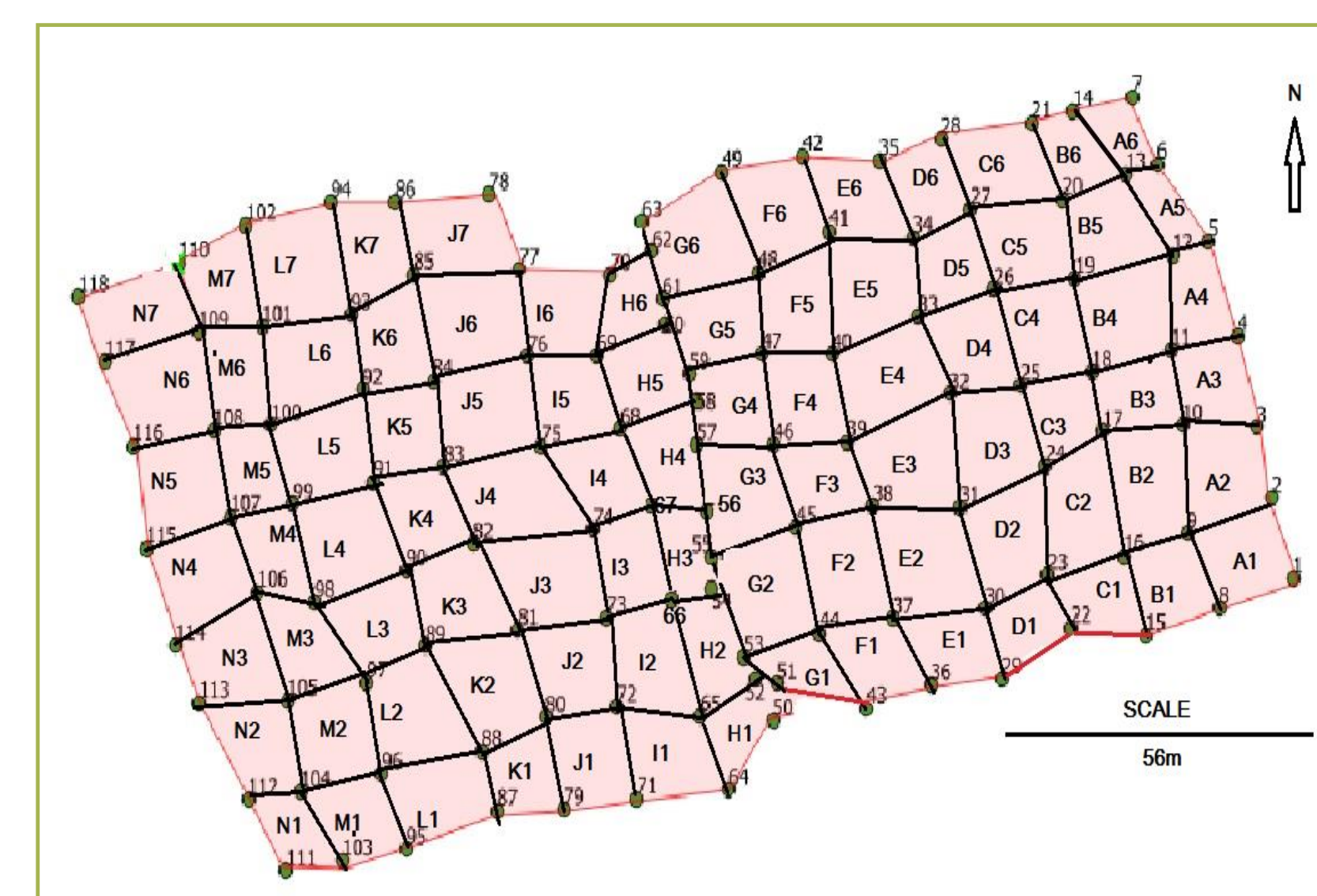
Elevation: 260m

Average annual temperature: 21.3 – 32^oc

Mean annual rainfall: 1555mm (11 years-2007-2017)

Soil type: Alfisol. The soil was derived from basement complex rock

Land use history: Previously cropped to cocoa, abandoned and left fallow



Plot layout(15mx15m)



A tree of CRIN Tc1 hybrid with an inset matured pod

Planting material

Clones of the cocoa variety CRIN Tc-1 hybrid(1.9-2.2tons/ha dry bean with 23.7 pod index and average butter fat being 55.2%

Root stock: Open pollinated F3 Amazon

Number of seedlings used as root stocks: 6000

Number of grafted cocoa seedlings: 2,500

Grafting is on-going

Activities up to date

Land clearing

Tree felling, cross-cutting and packing

Plot layout (15m x 15m grid)

Nursery establishment

Planting of maize

Maintenance of maize plot



CRIN Tc-1 hybrid



Maize growth stages

What next?

Harvesting and data collection on maize, composting, digging of bore hole, installation of drip irrigation facilities, soil sampling and profiling, field layout, planting of plantain suckers, transplanting of cocoa seedlings, plot maintenance, irrigation during dry season and data collection