



**FIELD OBSERVATIONS ON VAYAM (VARIETY) OF
AFRICAYAM IN COMPARISM TO OTHER NEW
RELEASES.**

Presented By

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1.0. Background

- Observation and comments will be restricted mainly to field observations.
- Comparison will be made with similarly new released yam varieties (i.e Kpamyo, Asiedu and Swaswa- YIIFSWA Proj)
- The variety in question (VaYam) has been under observation for only two (2) Seasons; (mother plant - Foundation vines & mini – settee tubers)
- Vayam is a water yam, an alata variety.



INTRODUCTION

Da-allgreen seed Ltd. have been into **seed yam** production for about five **(5) years** now in collaboration with IITA and other institutions. Basically Dags have been producing only 3 varieties (Kpamyo, Asiedu and Swaswa) but resently for about two Years now we've included Vayam in the production system because of its said attributes:

For these two seasons of producing Vayam, the following attributes were observed:-



2.0. Breeder Characteristics of Variety

- D.alata (Dioscorea)
- Adaptability Guinea & Derived Savannas & Rain forest
- Potential Yield 34t/ha

Outstanding Characteristics

- Maturity 270 - 300 days
- Slow oxidation
- Field tolerant to Anthracnose
- Good boiling quality
- Good taste
- Good for pounding
- High in tuber dry matter (starch content 66%)



3.0. Field Observation(Vayam vs Others)

- Smooth skin and rounded tuber shape (enticing look)
- Slow oxidation noticed (better than Swaswa)
- Lesser susceptibility to “Mealy bugs”
- Multiple tubers than all others (sizable seeds)
- Vines are sturdy enough to stand harsher weather
- SNV roots faster- 9days (max - other varieties 14days)
- Exhibiting yield advantage over all others
- More sturdy plant looking more resilient to harsh weather.



4.0. Comments & Comparism (Vayam vs Others)

- Typical attribute fleshly and rounded with clean skin
- A very rugged plant with good resilience.
- Leaf colour generally Lemon green.
- Likely most beneficial variety for seed system development.
- A dual purpose variety, good for pounding and for diabetic persons.



5.0. Gallery of Vayam and other varieties



KPAMYO IN SCREEN HOUSE



VAYAM IN SCREEN HOUSE



DIRECT ROOTING OF SNV ON THE FIELD



VAYAM IN FIELD



KPAMYO IN FIELD



VAYAM MINI TUBERS



KPAMYO MINI TUBERS





THANK YOU

