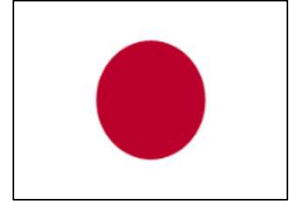




# Field Tests of Japanese Agricultural Technologies at



## Jomo Kenyatta University of Agriculture and Technology



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# Introduction - JKUAT

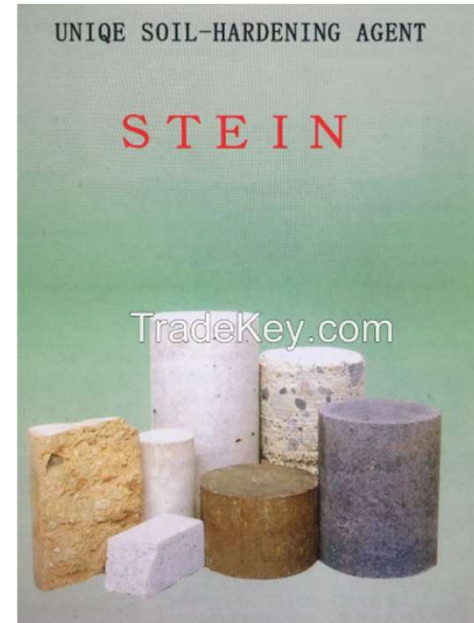
- **1977:** Start of the Plan, **1981:** Middle Level College (JKCAT), **1988:** University College (JKUCAT), **1994:** Full Fledged University (JKUAT)
- JKUAT has a Collegiate system - devolution of functions for better service delivery

S.No	NAME OF COLLEGE	Established	Number of Departments
1	College Of Engineering and Technology (CoETEC)	2011	13
2	College of Health Sciences (COHES)	2012	22
3	College of Pure and Applied Sciences (COPAS)	2013	8
4	College of Human Resource Development (CoHRED)	2014	7
5	College of Agriculture and Natural Resources (CoANRE)	2018	7

# Introduction

- Three main companies working with JKUAT

1. STEIN- Soil hardening agent
2. KETT – Moisture meter management equipment
3. Pulsar International – Foliar fertilizer (Orgamin)



<https://m.tradekey.com/>



<https://orgamin.com/>

# STEIN Trials at JKUAT

The trial of the hardening material was a collaborative activity between;

1. Jomo Kenyatta University of Agriculture and Technology
  2. JICA Advisor
  3. APAN and SPEC
- 
- JKUAT is situated in black cotton zone; Suitability test of soils done
  - Two proposed sites; fish pond and a road section; proposed designs were shared to all the stakeholders for information.
  - Construction of the structures done January – February 2024

# Projects Undertaken at JKUAT - STEIN



**STEIN** a quality inorganic soil hardening agent that is environmentally friendly being demonstrated for establishment of road section (left) and pond (below)





# Projects Undertaken at JKUAT



Moisture meter from **KETT** Electric Laboratory Co. Ltd in use at JKUAT

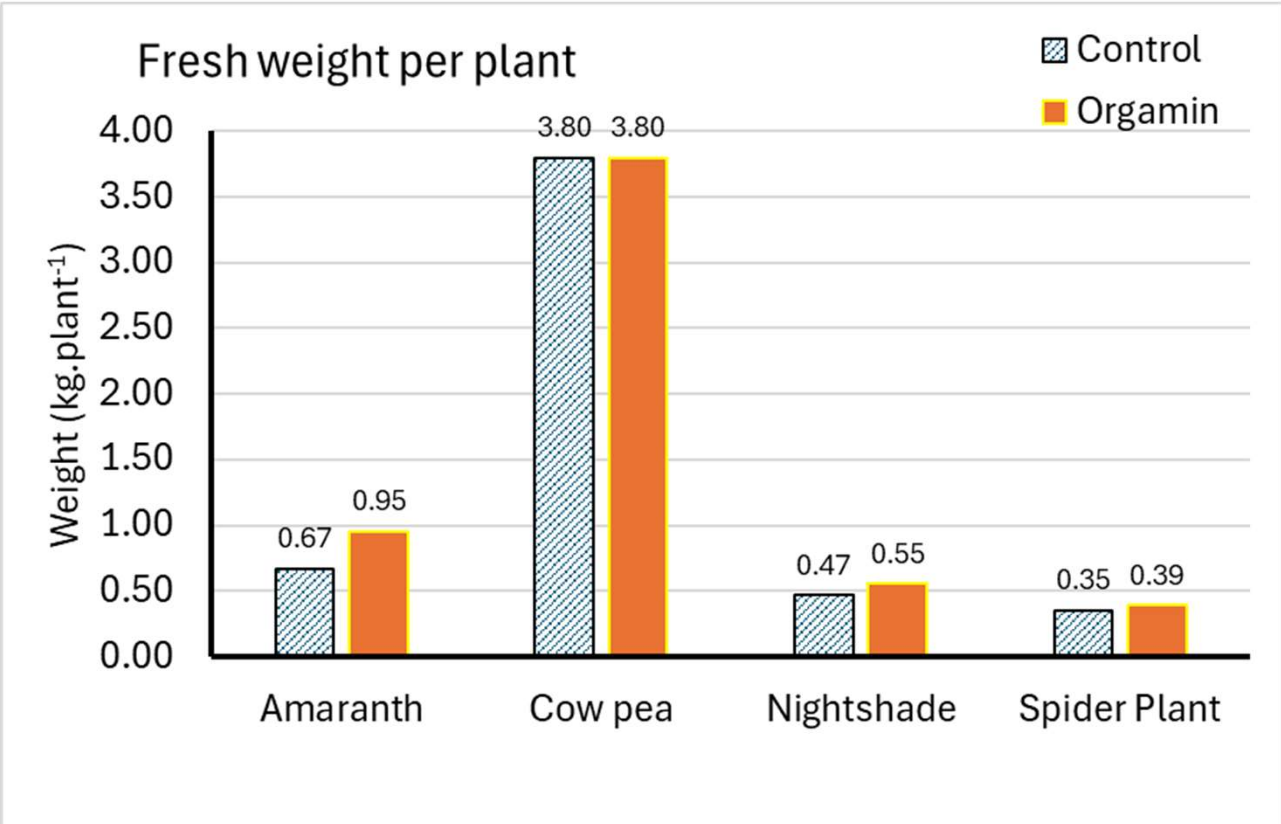


Single kernel moisture tester



Grain moisture tester

# Foliar fertilizer (Orgamin) Trials at JKUAT



Treatment	Amaranth	Cow pea	Nightshade	Spider Plant
Orgamin	0.96 (0.207)	3.8 (1.456)	0.56 (0.277)	0.39 (0.162)
Control	0.67 (0.257)	3.81 (1.261)	0.47 (0.073)	0.36 (0.037)
Change	42%	0%	19%	10%



Orgamin gave better yields in Amaranth, Nightshade and Spider plant



# AFICAT Exhibition Centre at JKUAT, 20+ JPN companies



AFICAT Exhibition space at JKUAT; visitors sampling available technologies





**THANK YOU**