

# INTRODUCTION TO SEMIS SEED PROCESSING MODULE

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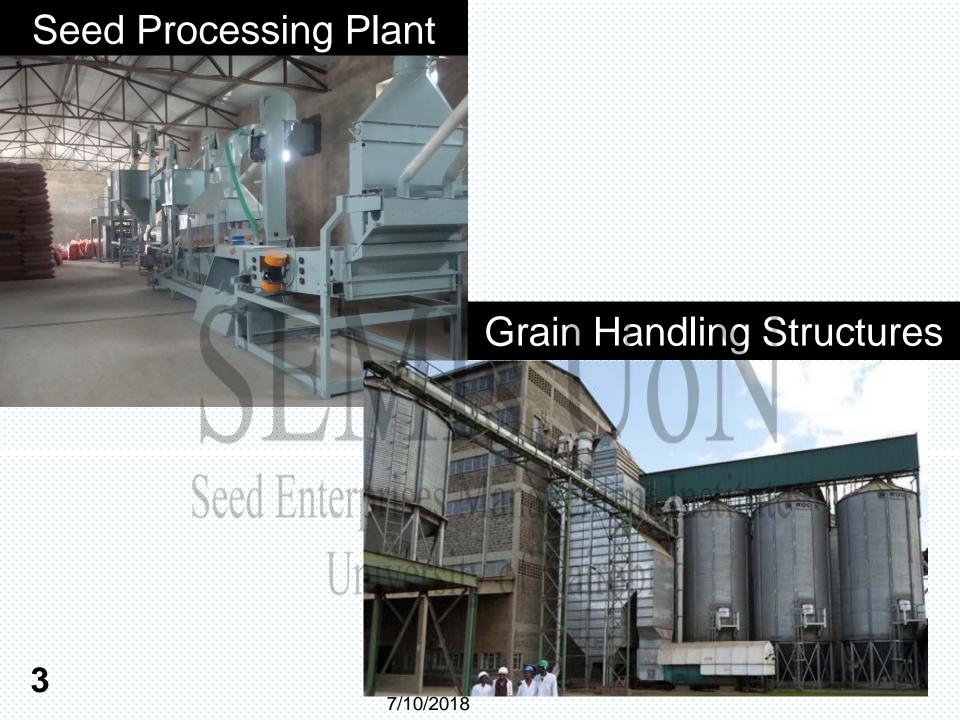
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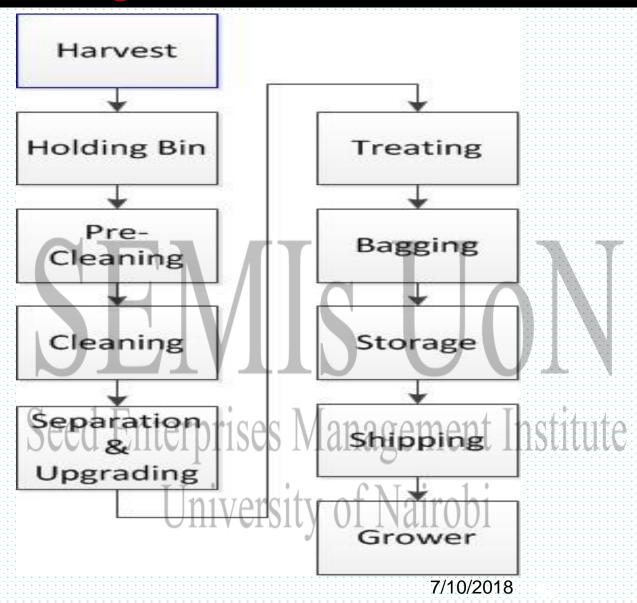
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# "Seed" vs "Grain

SEED	GRAIN
Planted and reproduce	Consumption & industry
Embryonic structure is critical	Dry matter, foreign material, MC%
Germination, purity, health, and vigor	POS (Protein, Oil, Starch) and fiber
Slow drying to minimize heat damage	Fast drying to save cost
Chemical treatment to maintain quality	Hardly any chemical treatment
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Sold by bag, Kg, or Unit	Sold by bag, truck or Tons
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Seed Processing	Food Processing
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### Flow Diagram for Seed Processing



#### Important Issues to Consider In Seed Processing

- Limiting mechanical damage
- Reduce speed (RPM)
- Avoid at-partial capacity
- Avoid varietal contamination
- Maintain quality in storage
- Limit incoming moisture
- Limit FM or damaged seeds
- Pre-clean seed before storage time
- Properly aerate
- Careful drying to reach safe MC

## SEMIS Seed Processing Modu

Lectures with Experience Sharing

Practical Sessions

SEMIS Lab and Biosystems Engineering Workshops Seed Enterprises Management Institute

Field Excursions
ICRISAT Seed Unit, Kiboko

# Thank you I for your Attention

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