

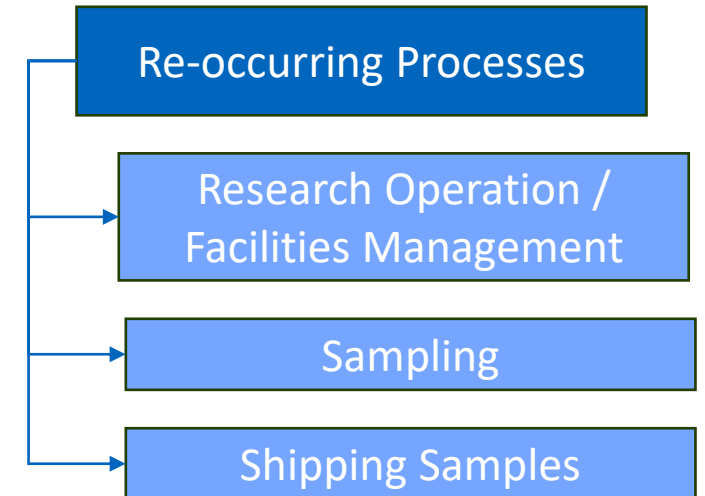
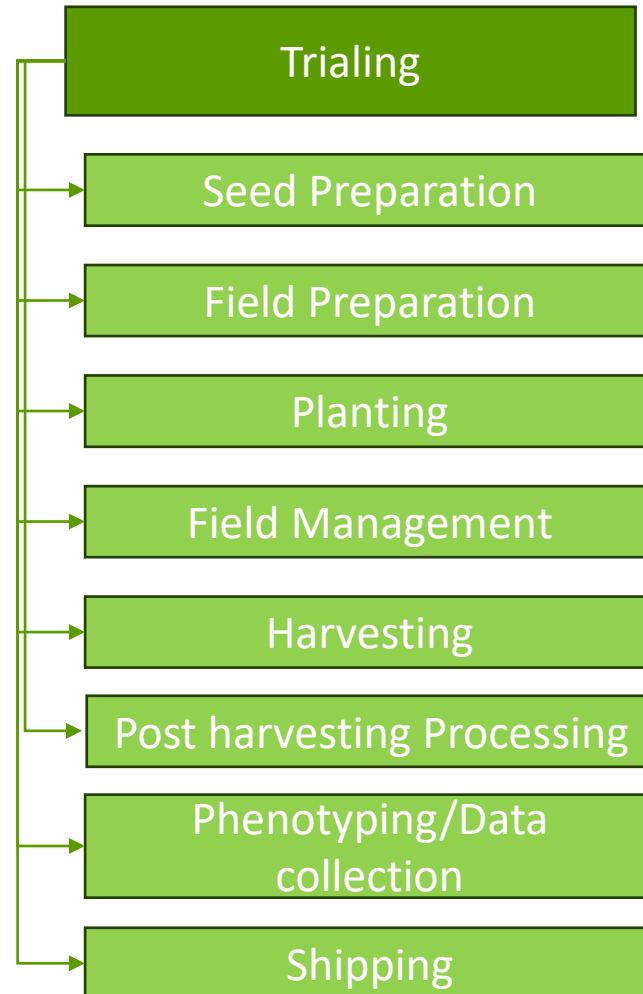
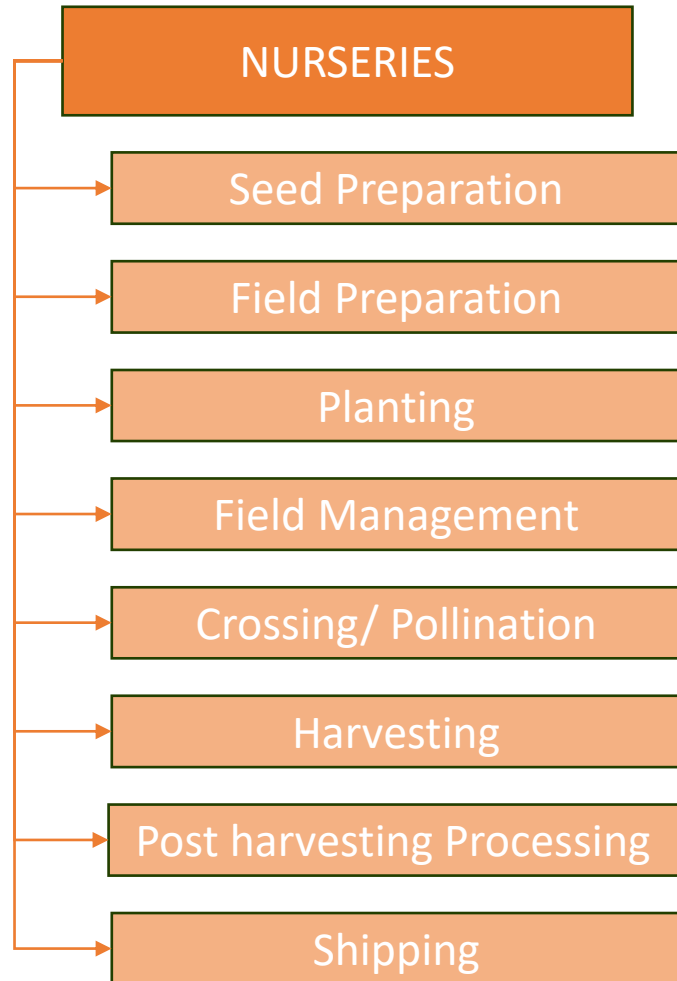


Trialing & Nursery Process Group SIPOC

Trialing & Nursery Process Team

June 20, 2023

Trialing & Nursery Processes



SIPOC

Team: Trialing & Nursery

S Supplier	I Input	P Process	O Output	C Customer
Procurement Team Breeding Pipeline Team Genebank Operations Team (Seed)	Packing plan/ instructions Packaging supplies Seed treatment requirement Seed treatment supplies Equipment and system for seed preparation Labor	Seed Preparation	Seed packets ready for planting Operational data	Breeding Pipeline Team Planting Team Operation management
Procurement Team Breeding Pipeline Team Equipment Maintenance Team Operations Team (Field)	Fertilizer/Chemicals/Supplies Labor Equipment/Infrastructure Planting plan/instructions Weather forecast Soil analysis	Field Preparation	Fields/Greenhouse ready to plant Operational data	Breeding Pipeline Team Planting Team Operation management
Breeding Pipeline Team Operations Team (Field and Seed) Equipment Maintenance Team	Seed packets Planting plan/instructions Fields ready to plant Equipment/Infrastructure Weather forecast Labor	Plant Plots	Seeded plots Operational data	Field Management Team Breeding Pipeline Team Operation management

SIPOC

Team: Trialing & Nursery

S Supplier	I Input	P Process	O Output	C Customer
Procurement Team Breeding Pipeline Team Equipment Maintenance Team Operation Team (Field Management)	Crop management instructions Equipment Chemicals Soil samples Weather forecast Labor	Field Management	Maintained plots Operational data	Breeding Pipeline Team Data Collection Team Harvest Team Pollination Team Operation Management
Procurement Team Facility Management Team IT Team Farm Management Team Finance Team	Mechanical shop Maintenance tools and supplies Information systems Equipment/Machines Labor Warehouse	Research Operation Facilities Management	Well maintained machines Well maintained research facilities Operational data Accurate inventories	T&N Teams Operations Team Operation Management Breeding Pipeline Team
Procurement Team Breeding Pipeline Team Operations Team (Crossing/Pollination)	Supplies Instructions Parent List Crossing plan Labor Maintained plots Isolation room	Crossing/ Pollination	Successfully pollinated plants Operational data	Breeding Pipeline Team Harvesting Team Field Management Team Operation Management
Field Management Team Breeding Pipeline Team Operations Team Equipment Maintenance Team	Harvesting Plan Equipment/Machines Supplies Labor Weather forecast	Harvest Plots	Planting material for clonal crops Harvested seeds Harvest data Operational data	Post Harvest Team Breeding Pipeline Team Field Management teams Operation Management

SIPOC

Team: Trialing & Nursery

S Supplier	I Input	P Process	O Output	C Customer
Harvest Team Breeding Pipeline Team Operations Team	Seed management instructions Storage environment specifications Equipment/Machines Harvested material Labor	Post Harvest Processing	Fumigated seed Healthy seeds Viable seed Discard list Post harvest data	Seed Health Team Breeding Pipeline Team Operation Management
Seed Health Team Post Harvest Team Breeding Pipeline Team	Healthy seeds Viable seeds Shipping instructions and list Shipping documenters Seed inventory Labor	Shipping	Shipped seeds Operational Data	Breeding Pipeline Team Seed Recipients Operation Management
Breeding Pipeline Team Post Harvest Team Operations Team Field Management Team	Equipment Data collection instructions Software Labor	Phenotyping Data Collection	Seed kept in good quality condition Phenotypic data Operational data	Lab Service Team Breeding Pipeline Team Operation Management
Breeding Pipeline Team Post Harvest Team Operations Team Field Management Team	Equipment Sampling Instructions Software Labor	Sampling	Seed kept in good quality condition	Lab Service Team Breeding Pipeline Team Operation Management

Document Management Information

Responsible Owner	Gustavo Teixeira, Process Owner Product Development Processes
Editors	Sara Johnson, Theresa Heitman (Process Consultants)
Design Team	Trialing & Nursery Process Team (TNPT)
Approval Date	July 05, 2023
Approver	Steffen Weber, Operations Enhancement Lead (ad int.)
Approving Team	Process Management Team (PMT), Senior Director Breeding and Pre-Breeding, Senior Director Breeding Research Services, ABI Initiative Lead, BRI Initiative Lead
Review Cycle	6 months
Next Review	January 2024
Reference Document	GIMT-Breeding Process Model (BPM)-FINAL-20230303.pptx