



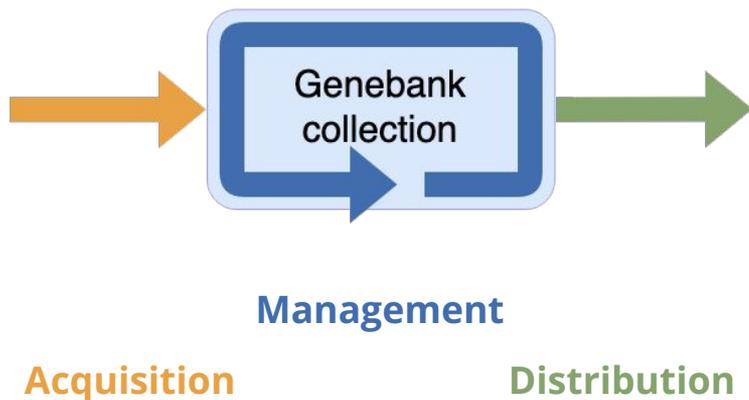
Introduction to GGCE

Juan Carlos Alarcón

GRIN-Global Workshop for European Genebanks

October 2022

Genebank operations



Acquisition:

- Collection
- Donation

Management:

- Monitoring (health, quantity, quality)
- Multiplication/Regeneration
- Characterization
- Safety duplication

Distribution:

- Internal
- External: National/International

IT for genebank data and operations



Central genebank database

- Data is in one place
- Data is available to all staff
- Validity: Enforces data constraints
- Security: Access controls
- Safety: Data is backed up

Genebank information system

- Provides support to operations
- Manage and maintain all data about every plant genetic resource in the genebank
- Make available current and accurate data to curators, technicians and users
- Data across all genebank activities are *immediately* recorded
- Assist curators and managers in prioritizing activities

Why GRIN-Global Community Edition?



Our analysis of GG adoption in 2018 showed that genebanks are focusing on the *Public Website* and passport data, instead of using GG for management and tracking of individual accession inventories and their status. CT is also not a convenient tool for use in daily operations (e.g. lacking barcoding support, too much Excel integration).

We need a **next-generation** solution that provides user-friendly tools to technicians, while maintaining database compatibility with GG.

Aging architecture of GG



Hosting: GG architecture did not change since it was designed 10 years ago. GG requires a Windows Server and IIS to run.

We wanted a system that can be deployed on Windows, Linux and macOS servers, with automated database upgrade scripts.

Users: CT is only available on Windows and requires installation of extra software components (MSSQL Express, ...)

The system must be accessible from PCs, tablets and mobile phones. The system must provide intuitive and tailored user interfaces for day-to-day genebank operations.

Support for developers: GG does not offer intuitive API for developing extensions.

The system must provide intuitive business logic endpoints that help developers develop new features.

GGCE Vision



- GGCE aims to provide a complete genebank collection management solution.
- GGCE enables all genebank staff to **capture and make use of data across all genebank operations.**



GGCE Demo

Admin tools

Home

Passport data

Inventory

Distribution

Seed viability

Taxonomy

Crops

Trait data

Geography

Methods

Cooperators

Logout **administrator**

Change password

Tools

Scan inventory Inventory barcode	Jump to accession Accession Number	Acquisition Register new material
Distribution Manage requests for material	New request Add a request for material	Verify request items Check that inventories correspond to items in the request for material

Inventory item

Inventory summary Overview of the inventory data	Inventory list Browse all inventory records	Inventory groups Browse inventory groups
Inventory amounts Update inventory quantity	Inventory storage Browse aggregated inventory quantity	Seed viability Browse viability records

Accession

Accession summary Get a quick overview of the collection	Accessions Browse all accessions	Passport data in MCPD Browse accession passport data. Very slow!
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GGCE by Global Crop Diversity Trust v2022.5



GGCE Mission

- **Manage and maintain data of every plant genetic resource in the genebank collection**
 - Each sample/item in genebank PGR inventory is individually tracked.
- **Assists curators and managers in prioritizing activities**
 - Enable for scheduling and planning of when specific actions will be performed
 - Allows for anticipating periods of high/low activity
 - Avoid future backlogs
- **Make available current and accurate data to curators and technicians**
 - Enable informed decision making



GGCE Objectives

- **Simple** to access and available in **your language**



Tablets



Personal computers



Cel. phones



Mobile devices

- Supports the use of different **IT gadgets**





NK 74 KEN

Sorghum bicolor subsp. *verticilliflorum*

Accession Prefix	NK
Sequence Number	74
Accession Suffix	KEN
Taxon	<i>Sorghum bicolor</i> subsp. <i>verticilliflorum</i>
Maintenance site	GeRRI Kenya
Status	Active
Life Form	Annual and/or Perennial
Level Of Improvement	Genetic material
Reproductive Uniformity	Pureline
Received Date	21 February 2005
Received Date Format	dd/MM/yyyy
Received As	SE
	NPGRG, Zambia-



NK 74 KEN

Sorghum bicolor subsp. *verticilliflorum*

Préfixe de l'accession	NK
Numéro de séquence	74
Suffixe de l'accession	KEN
Taxonomie	<i>Sorghum bicolor</i> subsp. <i>verticilliflorum</i>
Site de maintenance	GeRRI Kenya
Statut	Active
Forme de survie	Annuel et/ou pérenne
Niveau d'amélioration	Matériel génétique
Homogénéité de reproduction	Lignée pure
Date initiale de réception	21 février 2005
Forme et date de réception	dd/MM/yyyy
Type de matériel reçu initialement	SE



NK 74 KEN

Sorghum bicolor subsp. *verticilliflorum*

بادئة عدد العينة	NK
رقم التسلسل	74
لاحقة عدد المدخل	KEN
تصنيف	<i>Sorghum bicolor</i> subsp. <i>verticilliflorum</i>
موقع الصيانة	GeRRI Kenya
الحالة	Active
الشكل الحيوي	حولية أو معمر أو الاثنان معاً
مستوى التحسين	مادة وراثية
تكاثر موحد	سلالة نقية
تاريخ الاستلام	٢١ فبراير ٢٠٠٥
صيغة تاريخ الاستلام	dd/MM/yyyy
مستلمة على شكل	SE
موقع النسخ الاحتياطي 1	NPGRG Zambia-NPGRG
موقع النسخة الاحتياطية	CSIR-PGRRI Ghana-



NK 74 KEN

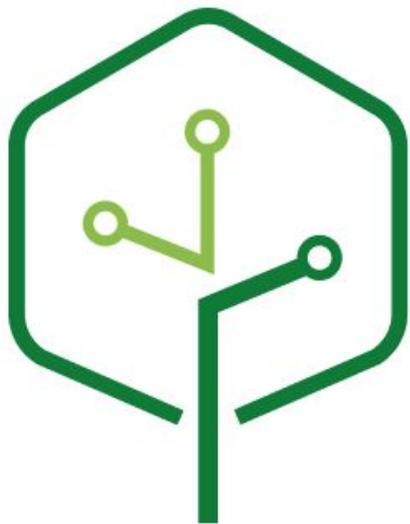
Sorghum bicolor subsp. *verticilliflorum*

品系號碼開頭	NK
序號	74
品系號實尾綴	KEN
分類群	<i>Sorghum bicolor</i> subsp. <i>verticilliflorum</i>
維護站點	GeRRI Kenya
狀態	?? ACTIVE
生活型	?? ANN-PER
改良階段	?? GENETIC
繁殖均勻性	?? PURELINE
接收日期	21 2 2005
接收日期格式	dd/MM/yyyy
接收狀態	?? SE
備份地點 1	NPGRG Zambia-NPGRG
備份地點 2	CSIR-PGRRI Ghana-

GGCE and external systems



- **Assign DOI to genebank material**
 - Integration with Plant Treaty's **DOI Registration Service** to mint DOI for accessions
- **Standard passport data exchange format**
 - Export data in **MCPD**
 - Passport data can be directly uploaded from GGCE to Genesys
- **FAO WIEWS**
 - Retrieve institute information using FAO WIEWS APIs



GGCE

GRIN GLOBAL COMMUNITY EDITION



Admin tools

Home

Passport data

Inventory

Distribution

Seed viability

Taxonomy

Crops

Trait data

Geography

Methods

Cooperators

Logout administrator

GGCE
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Scan inventory

Inventory barcode

Jump to accession

Accession Number

Acquisition

Register new material

In vitro

Tools for in vitro collection

Distribution

Manage requests for material

New request

Add a request for material

Verify request items

Check that inventories correspond to items in the request for material

Inventory item

Inventory summary

Overview of the inventory data

Inventory list

Browse all inventory records

Inventory groups

Browse inventory groups

Inventory actions

Browse inventory actions

Inventory amounts

Update inventory quantity

Inventory storage

Browse aggregated inventory quantity

Seed viability

Browse viability records



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Accession summary

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Source descriptors

An *accession* is a distinct sample of germplasm representing a *cultivar*, *breeding line*, or a *wild or cultivated* population, maintained in a *genebank* for conservation and use. Its genetic stability is optimally preserved through careful monitoring and multiplication.

The *passport data* records where the material is coming from, who provided it, what it is, and what it is called. An *accession-level record* is created immediately when new material arrives in the genebank, either from a collecting mission, from a transfer from another genebank or breeding program. The record is assigned a (temporary) accession identifier and the passport data regarding its provenance, collecting, donation or breeding pedigree is recorded. The passport data of material in genebanks is commonly exchanged following the *Multi-Crop Passport Descriptors (MCPD)* standard.

Not all material will be accepted into the collection. Regardless, the passport data is never discarded and becomes part of the historical archive of the genebank and allows for checking whether material was already received, accepted or rejected by the genebank in the past.

The information about the physical material of one accession from one or more generations, split into packets and maintained in different storage locations, is recorded as *accession inventory*. The bulk of the data generated by the genebank is linked to individual physical inventories, not to the accession as a whole.

Accession identifiers in GGCE

The *accession number* is the unique identifier given by the genebank to the germplasm. GGCE builds the accession number from its three components: *prefix*, *sequence number* and *suffix*. The concatenation of the three components represents the complete accession number.

The *prefix* is commonly used to identify the collection where the accession is maintained, for example IRGC at IRRRI genebank, PI in USDA NPGS and IG at ICARDA. A special prefix should be used to quickly identify material not yet accepted into the collection (e.g. INTRO or TEMP).

Note: Avoid storing the entire accession number in the prefix field, if possible.

The numeric part of the accession number must be stored in the *sequence number* field. By separating the numeric part from the prefix, GGCE is able to automatically assign the next available accession number for the selected prefix on demand. The sequence number of an accession must be unique within the prefix group.

The *suffix* is commonly used if an accession is split and the parts are then managed independently.

The formatting of the complete accession number based on the three parts is configurable. The *sequence number* may also be zero padded.

When material enters the genebank, it is given a temporary accession number. When the material passes the acquisition criteria, the proper accession number is assigned: it is given the official prefix and the next available number in sequence. Once the accession number has been assigned, it is strongly advised to not change it or reuse it for a different sample.

In addition to the accession number, a *Digital Object Identifier (DOI)* can be assigned to an accession. DOIs are



	ID	Accession Number	Taxon	Preferred name	Status	MLS Status	Digital Object Identifier	Maintenance site	Accession Prefix	Sequence Num
Home	4	44 TSs 3	<i>Sphenostylis stenocarpa</i>	TSs 3	Active		10.18730/M3QDT	IITA	TSs	3
Help	5	45 TVSu 3	<i>Vigna subterranea</i>	TVSu 3	Active		10.18730/FFSX	IITA	TVSu	3
Accessions	6	46 TMe 3	<i>Manihot esculenta</i>	TMe 3	Active		10.18730/M3YR2	IITA	TMe	3
MCPD	7	47 TMb 3	<i>Musa acuminata</i>	TMb 3	Active		10.18730/J65XD	IITA	TMb	3
Accession summary	8	48 Tmp 3	<i>Musa acuminata</i>	Tmp 3	Active		10.18730/J69MN	IITA	Tmp	3
Schedule	9	49 TGm 3	<i>Glycine max</i>	TGm 3	Active		10.18730/M6FBW	IITA	TGm	3
Accession actions	10	50 TVNu 3	<i>Vigna ambacensis</i>	TVNu 3	Active		10.18730/KB2WV	IITA	TVNu	3
Source observations	11	51 TCg 3	<i>Canavalia gladiata</i>	TCg 3	Active		10.18730/MYDYW	IITA	TCg	3
Source descriptors	12	52 TCe 3	<i>Canavalia ensiformis</i>	TCe 3	Active		10.18730/MYDQN	IITA	TCe	3
	13	53 TKg 3	<i>Kerestingiella geocarpa</i>	TKg 3	Active		10.18730/MYKZU	IITA	TKg	3
	14	54 TLn 3	<i>Lablab purpureus</i>	TLn 3	Active		10.18730/MYMWW	IITA	TLn	3
	15	55 TMpr 3	<i>Mucuna pruriens</i>	TMpr 3	Active		10.18730/MZWVC	IITA	TMpr	3
	16	56 TPt 3	<i>Psophocarpus tetragonolobus</i>	TPt 3	Active		10.18730/MZYQ=	IITA	TPt	3
	17	57 TVr 3	<i>Vigna radiata</i>	TVr 3	Active		10.18730/N0737	IITA	TVr	3
	18	58 TPt 3 B	<i>Psophocarpus tetragonolobus</i>	TPt 3 B	Active		10.18730/SRQ2T	IITA	TPt	3
	19	59 TVa 3	<i>Vigna umbellata</i>	TVa 3	Active		10.18730/10J5K~	IITA	TVa	3
	20	60 TVu 4	<i>Vigna unguiculata</i>	TVu 4	Active		10.18730/W4GY	IITA	TVu	4
	21	61 TZm 4	<i>Zea mays</i>	TZm 4	Active			IITA	TZm	4
	22	62 TSs 4	<i>Sphenostylis stenocarpa</i>	TSs 4	Active		10.18730/M3QEV	IITA	TSs	4
	23	63 TVSu 4	<i>Vigna subterranea</i>	TVSu 4	Active		10.18730/FFTV	IITA	TVSu	4



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- Accession summary
- Schedule
- Accession actions
- Source observations
- Source descriptors

BG0001
Cocos spp.

EDIT DELETE **SUBMIT TO GLIS** GENERATE PDF DOCUMENT

Accession Prefix	BG0001
Taxon	<i>Cocos spp.</i>
Maintenance site	CGENT Coconut Genetic Resources Network
Status	Active
Level Of Improvement	Landrace
Received Date	06/01/1966 <small>Complete date</small>
Received Date Format	MM/dd/yyyy
Received As	Seednuts
Note	This accession was collected from the southern region of the country during 60s and evaluated for cultivation throughout the country. The accession has been released as a variety by the name of...
Created date	30 December 2021
Modified date	30 December 2021
Owned date	30 December 2021
Owned by	administrator

Attachments



Coconut2.jpg

 REMOVE



Coconut1.jpg

 REMOVE

Files

- [FAOBIOVERSITY_MULTI-CROP_PASSPORT_DESCRIPTOR_V.2.1_2015_2020.pdf](#)

Accession names

ID	Category	Name	Plant Name Rank	Is Web Visible?	Cooperator	Note	Owned by	Owned date	Modified by	Modified date	Created
1	Local name	Deshi Nairkel		Y			administrator	01 January 2022	administrator	01 January 2022	administrator
2	Synonym	Deshi Narikell		Y			administrator	01 January 2022	administrator	01 January 2022	administrator
3	Cultivar name	Rahmatpur Tall		Y			administrator	01 January 2022	administrator	01 January 2022	administrator



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<input type="checkbox"/>	ID	Is Web Visible?	puid	instCode	acceNumb	collNumb	collCode	collName	collInstAddress	collMissid	genus	species	spAuthor	subtaxa	subtAuthor	cropName	acceName
1	4163	Y		BRA242	BG0001						Cocos	spp.					Deshi Nairikel
2	4164	Y		BRA242	BG0002						Cocos	spp.					Intensive
3	4165	Y		BRA242	BG0003						Cocos	spp.					Rahmatpur Tall
4	4166	Y		BRA242	BG0004						Cocos	spp.					Malayan Dwarf
5	4167	Y		BRA242	BG0005						Cocos	spp.					Khairtala Tall
6	4168	Y		BRA242	BG0006						Cocos	spp.					Rhaikhali Tall
7	4169	Y		BRA242	BG0007						Cocos	spp.					Chatgaon Tall
8	4170	Y		BRA242	BG0008						Cocos	spp.					Bangladesh Tall
9	4171	Y		BRA242	BG0009						Cocos	spp.					Bangladesh Tall
10	4172	Y		BRA242	BG0010						Cocos	spp.					Deshi Narikel
11	4173	Y		BRA242	BG0011						Cocos	spp.					Bangladesh Tall
12	4174	Y		BRA242	BG0012						Cocos	spp.					Deshi
13	4175	Y		BRA242	BG0015						Cocos	spp.					Babugonj Tall
14	4176	Y		BRA242	BG0016						Cocos	spp.					Uzipur Tall
15	4177	Y		BRA242	BG0017						Cocos	spp.					Agailjhara Tall
16	4178	Y		BRA242	BG0018						Cocos	spp.					Swarupkathi Tall
17	4179	Y		BRA242	BG0019						Cocos	spp.					Deshi Narikel
18	4180	Y		BRA242	BG0020						Cocos	spp.					Kalapara Tall
19	4181	Y		BRA242	BG0021						Cocos	spp.					Lebukhali Tall
20	4182	Y		BRA242	BG0022						Cocos	spp.					
21	4183	Y		BRA242	BG0023						Cocos	spp.					
22	4184	Y		BRA242	BG0024						Cocos	spp.					
23	4185	Y		BRA242	BG0025						Cocos	spp.					

Upload to Genesys

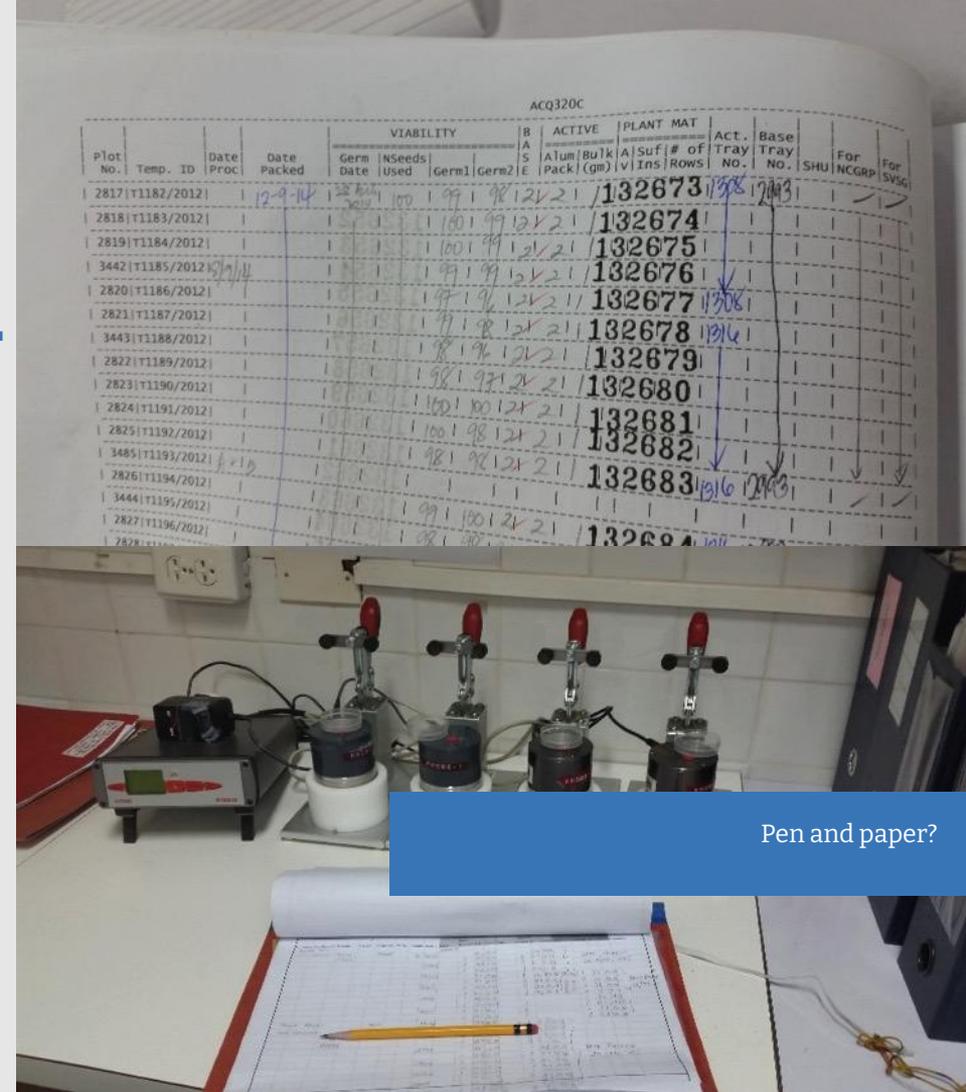
Download MCPD

One accession: Many samples



Sample tracking

- Data across operations is linked directly to the specific sample that is being managed
- Every sample in the collection must have a unique identification number





87 inventory items

SEARCH

- Home
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- Inventory actions
- Amount in storage
- Update quantity
- Inventory groups
- Acquisition
- Storage navigator
- Split inventory

	Inventory ID	Inventory Number	Inventory Type	Accession	Preferred name	Quantity On Hand	Quantity On Hand Units	Type of Container	Availability Status	Tax
1	35039	TSs 3 1 SD	Seed	TSs 3	TSs 3	99.29	gram	Aluminium pack 10x20	Low inventory	Sphe
2	35040	TPt 2A 1 SD	Seed	TPt 2 A	Yummy	333	Seed	Paper envelope	Low inventory	Psoph
3	35042	TSs 3 2 SD	Seed	TSs 3	TSs 3	1,150	Seed	Aluminium pack 10x20	Available	Sphe
4	35066	TSs 3 5 SD	Seed	TSs 3	TSs 3	10	gram	Aluminium pack 10x20	Low inventory	Sphe
5	35067	TPt 2A 1 A SD	Seed	TPt 2 A	Yummy	300	Seed	Paper envelope	Low inventory	Psoph
6	35068	TPt 2A 2 SD	Seed	TPt 2 A	Yummy	100	gram	Aluminium pack 10x20	Low inventory	Psoph
7	35069	TPt 2A 2 A SD	Seed	TPt 2 A	Yummy	200	gram	Paper envelope	Low inventory	Psoph
8	35070	TSs 3 6 SD	Seed	TSs 3	TSs 3	20	gram	Paper envelope	Low inventory	Sphe
9	35071	TSs 3 7 SD	Seed	TSs 3	TSs 3	20	gram	Paper envelope	Low inventory	Sphe
10	35072	TSs 3 8 SD	Seed	TSs 3	TSs 3	20	gram	Aluminium pack 10x20	Low inventory	Sphe
11	35074	TSs 3 10 SD	Seed	TSs 3	TSs 3	—	gram		Low inventory	Sphe
12	35075	TSs 3 11 SD	Seed	TSs 3	TSs 3	10	gram	Aluminium pack 10x20	Low inventory	Sphe
13	35076	TSs 3 12 SD	Seed	TSs 3	TSs 3	10	gram	Aluminium pack 10x20	Low inventory	Sphe
14	35077	TSs 3 13 SD	Seed	TSs 3	TSs 3	10	gram	Aluminium pack 10x20	Low inventory	Sphe
15	35078	TPt 2A 3 A SD	Seed	TPt 2 A	Yummy	50	gram	Aluminium pack 10x20	Low inventory	Psoph
16	35079	TPt 2A 4 A SD	Seed	TPt 2 A	Yummy	50	gram	Aluminium pack 10x20	Low inventory	Psoph
17	35080	TZm 1517 1 A SD	Seed	TZm 1517	TZm 1517	500	gram	Aluminium pack 10x20	Low inventory	Zea m
18	35081	TZm 1517 2 A SD	Seed	TZm 1517	TZm 1517	150	gram	Aluminium pack 10x20	Low inventory	Zea m
19	35082	TZm 1517 3 A SD	Seed	TZm 1517	TZm 1517	75	gram	Aluminium pack 10x20	Low inventory	

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Inventory

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TSSs 3 2 SD

Sphenostylis stenocarpa[PRINT LABEL](#)[EDIT](#)[DELETE](#)

Parent Inventory	TSSs 3 1 SD
Accession	TSSs 3
Taxon	<i>Sphenostylis stenocarpa</i>
Quantity On Hand	1,150 Seed
Location of germplasm in storage	A B Q
Inventory Maintenance Policy	Seed
Inventory Prefix	TSSs 3
Inventory Number	2
Inventory Type	Seed
Inventory barcode	I:35042
Maintenance Site	IITA International Institute of Tropical Agriculture
Propagation Date	04/29/2022 <small>mm/dd/yyyy</small>
Propagation Date Format	MM/dd/yyyy

Current quantity of germplasm

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Split inventory

01 October 2022 – 31 October 2022

< Previous period Next period >

Action type	Scheduled Action scheduled for the selected period.	Added Action without due date added during the selected period.	Completed Action completed during the selected period.
100 seed weight	0	0	
Log	0	0	
Quantity confirmed	0	1	
Split inventory	0	1	
Viability test	0	0	
Summary	0	2	

Overview by action type

100 seed weight

Scheduled

Added

Completed

In Progress

Overdue

APPLY FILTERS

RESET

From date *

01 / 10 / 2022

To date (exclusive) *

01 / 11 / 2022

Select period

This month

Action Name

Inventory barcode

Inventory Prefix

Equals

Inventory Number from value

Inventory Number to value

Inventory Suffix

Equals

Accession Number

Genus

Reproductive Uniformity

Country



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Split inventory

Placed in -18 C degree storage

Scheduled	—	Placed in -18 C degree storage	2
Added	—	Overdue	2
Completed	—		
In Progress	—		
Overdue	2		

Placed in -20 C degree storage

Scheduled	—	Placed in -20 C degree storage	6
Added	—	Overdue	6
Completed	—		
In Progress	—		
Overdue	6		

Pulled for planting

Scheduled	—	Pulled for planting	1
Added	—	Overdue	1
Completed	—		
In Progress	—		
Overdue	1		

Quantity confirmed

Scheduled	—	Quantity confirmed	36
Added	—	Overdue	36
Completed	—		
In Progress	—		
Overdue	36		

Viability test

Scheduled	—	Viability test	56
Added	—	In Progress	54
Completed	—		
In Progress	54		
Overdue	2		

Withdrawal

Scheduled	—	Withdrawal	1
Added	—	Overdue	1
Completed	—		
In Progress	—		
Overdue	1		



- Home
- Record new observation
- Begin testing
- Prepare order
- Viability records**
- Viability actions
- Viability rules

Inventory	MAR 17 RRG CT
Percent Viable	—
Tested Date	08/22/2022 <small>Complete date</small>
Inventory Viability Rule	Test, 2x25
Sample Count	50
Replication Count	2
Remaining seeds	50

Viability1 67.1
INV MAR 17 RRG CT

ACC MAR 17 RRG
Humulus lupulus



REMOVE **GENERATE LABELS** FINISH TEST

ID Counting Cooperator Replication Number Tested Count Count Date Count Number Normal Count Abnormal Count Estimated Dormant Count Confirmed Dor

No rows available



Inventory viability

- Home
- Record new observation
- Begin testing
- Prepare order
- Viability records**
- Viability actions
- Viability rules

Inventory	MAR 17 RRG SD
Percent Viable	94
Tested Date	01/18/2022 <small>Complete date</small>
Inventory Viability Rule	Seed 2x50
Sample Count	100
Replication Count	2
Percent Normal	94
Percent Abnormal	4
Percent Dead	2
Percent Dormant	0
Percent Empty	0
Percent Hard	0
Percent Infested	0
Percent Unknown	0
Percent Tz Positive	0
Percent Tz Negative	0
Remaining seeds	0 = 0 + 0

<input type="checkbox"/>	ID	Counting Cooperator	Replication Number	Tested Count	Count Date	Count Number	Normal Count	Abnormal Count	Estimated Dormant Count
<input type="checkbox"/>	54	Mr. Martin Reisinger	1	50	18 January 2022	3	0	2	
<input type="checkbox"/>	55	Mr. Martin Reisinger	2	50	18 January 2022	3	2	2	
<input type="checkbox"/>	52	Mr. Martin Reisinger	1	50	13 January 2022	2	5		

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Seed viability: Result



Home



L10601-A

Requests

Schedule

Request acti

Verify reques

Retrieval list

Genesys req



MATERIAL LIST FOR CLIENT

REQUEST ID GG

REQUEST ID CORPORATE

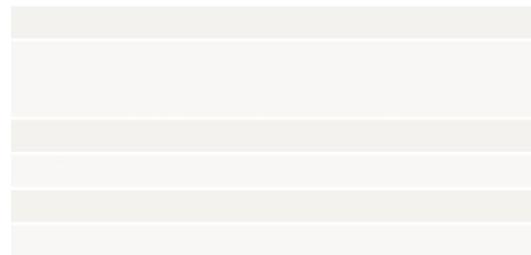
CONSIGNEE COUNTRY

2021034

M20221034

India

ACC NUM	DOI	ORIGIN	VARIETY OF OTHER DESIGNATION	#SENT	CROP
IRGC 6	10.18740/MRPSE	PHI	NAME 6	5 gms	RICE
IRGC 7	10.18740/P5MW4	PHI	NAME 7	5 gms	RICE
IRGC 8	10.18740/ER45T	PHI	NAME 8	5 gms	RICE
IRGC 9	10.18740/MRPSE	PHI	NAME 9	5 gms	RICE



- ITEMS
- CREATE WITHDRAWN INVENTORIES
- VERIFY ITEM LIST
- EDIT
- REMOVE

Quantity On Hand	Quantity Shipped	Units (of Shipped)	Type of Container	Distribution Form
	25	ct		SD
	25	ct		SD
	25	ct		SD

GGCE by Global Crop v2022.8





Home



ID

Created date

Requestor email

Is received by genebank?

Requested accessions

UUID

Institute code

Institute email

Last re

Requests

Schedule

Request actions

Verify request items

Retrieval list

Genesys requests

Create Order Request

Step 3 of 3. Mapping requested accessions as order request items

Genesys requested accessions

<input type="checkbox"/>	In GGCE	ID	Institute	Accession number	Genus	Country of origin	Accession name	DOI	Historic	UUID	
1	Found	564411	PHL001	IRGC 6	Oryza		SERAUP 99	10.18730/1PGCR	No	5fa8bd63-bd6f-417e-91c4-1bf922783b42	
2	Found	564416	PHL001	IRGC 7	Oryza		SERENDAH KUNING 11	10.18730/1PGDS	No	7f08ab00-c721-49e9-8dc0-10033c0c1a9c	
3	Found	874505	PHL001	IRGC 8	Oryza		ANAK NAGA	10.18730/1PGET	No	2763ce7e-d1db-412b-bcec-a13ce6ea3133	
4	Found	564412	PHL001	IRGC 9	Oryza		SERENDAH PUTEH	10.18730/1PGFV	No	93bb89a7-d43e-4be2-b510-f2f5957b8f66	

Mapped order request items

Items preview, may differ from the end result

<input type="checkbox"/>	Item Number	Item Status	Requested Name	Requested Taxon	Accession Number	Level Of Improvement	Taxon	Inventory	Withdrawn inventory	Quantity Or	
1	1	New	IRGC 6	Oryza	IRGC 6		<i>Oryza sativa</i>	IRGC-INV 1 SD		750	
2	2	New	IRGC 7	Oryza	IRGC 7		<i>Oryza sativa</i>	IRGC-INV 2 SD		750	
3	3	New	IRGC 8	Oryza	IRGC 8		<i>Oryza sativa</i>	IRGC-INV 3 SD		1,000	
4	4	New	IRGC 9	Oryza	IRGC 9		<i>Oryza sativa</i>	IRGC-INV 4 SD		1,000	

BACK

EDIT

ADD BY ACCESSION

AUTOMATICALLY MAP ACCESSIONS

CONFIRM

CANCEL



Trait data

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v2022.8

Characterization/evaluation: Fruit Yield

MORTALITY | BUN_P_Y_NB | BUN_P_Y_NB_MEAN | OBS_P_NB_YLD | Bunch yield | OBS_BEG_DT | OBS_END_DT | OBS_P_NB | RN_P_Y_NB | RN_P_Y_NB_MEAN | **Ripe nuts yield**

Characterization/evaluation: Copra/oil Yield

CO_NUT_WEI | CO_NUT_WEI_MEAN | CO_P_Y_YIE | CO_P_Y_YIE_MEAN | SD34 | SD35

Characterization/evaluation: Fruit Morphology

ENDO_THIC | ENDO_THIC_MEAN | FR_EQU_SEC | FR_POL_SEC | NB_TREES | SD30

Characterization/evaluation: Environment

FILE_EST_DT | Country of the research institute | **Latitude of evaluation site** | **Longitude of evaluation site** | P_L_DENSITY | R_LELEVAT | R_L_FARM | R_L_NB

General information

<input type="checkbox"/>	Inventory	Latitude of evaluation site	Ripe nuts yield	Longitude of evaluation site
1	BG0037 **	24		89
2	BG0001 **	23	70	90
3	BRA-AAG **	10		37
4	BRA-AAM **	10		37
5	BG0003 **	23	67.7	90
6	BG0007 **	22		92
7	BRA-AVC **	10		37
8	BG0033 **	25	15.9	90
9	BRA-AVG **	10		37
10	BG0005 **	23	60.8	89
11	BG0011 **	24		89
12	BG0015 **	23		90
13	BG0039 **	25	59	90
14	BG0017 **	23		90
15	BG0009 **	22	54	92
16	BG0019 **	23		90



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Web Users

Code values

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Audit logs

No system alerts

System status

Number of users	128
Number of geographies	9,118
Number of species	124,407
Number of accessions	7,601
Number of inventories	7,938

Geography

Refresh Geography data from USDA

Taxonomy

Refresh USDA Taxonomy data

Curator Tool configuration

Connect your CT to this server by adding a new server

- On the login screen click "Edit server list".
- Click "Add new" and:
 1. Set "List display name" to **GGCE**.
 2. **Tick** the "Use SSL" checkbox.
 3. Set "Server name" to **demo_ggceapi.genesys-pgr.org**
 4. Do **NOT** click "Test Server Address"
 5. Hit "OK" to close the Server list dialog.
- Back in the login screen, select "GGCE" from the "Connect to" dropdown.
- Login with your username and password.



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<input type="checkbox"/>	ID	Group Tag	Is Enabled?	Version	Active	principal	SID	fullName
1	84	ADMINS	Y	1	Yes	No	GROUP_ADMINS	GROUP_ADMINS
2	85	ALLUSERS	Y	1	Yes	No	GROUP_ALLUSERS	GROUP_ALLUSERS
3	105	CANADIANS	Y	1	Yes	No	GROUP_CANADIANS	GROUP_CANADIANS
4	86	CTUSERS	Y	1	Yes	No	GROUP_CTUSERS	GROUP_CTUSERS
5	94	CURATORS	Y	1	Yes	No	GROUP_CURATORS	GROUP_CURATORS
6	87	FEEDBACKOWNERS	Y	1	Yes	No	GROUP_FEEDBACKOWNERS	GROUP_FEEDBACKOWNERS
7	88	FEEDBACKSUBMITTERS	Y	1	Yes	No	GROUP_FEEDBACKSUBMITTERS	GROUP_FEEDBACKSUBMITTERS
8	96	foo	Y	1	Yes	No	GROUP_foo	GROUP_foo
9	146	MARGRP	Y	1	Yes	No	GROUP_MARGRP	GROUP_MARGRP
10	126	Test	Y	1	Yes	No	GROUP_Test	GROUP_Test
11	156	VIABILITY	Y	1	Yes	No	GROUP_VIABILITY	GROUP_VIABILITY
12	89	webtools	Y	1	Yes	No	GROUP_webtools	GROUP_webtools



GGCE adoption support

1. Assistance with adoption of GGCE
 - a. Initial setup and configuration
 - b. Data mapping and migration
 - From scratch: Institutions with non GRIN-Global database in place
 - GRIN-Global users
2. Training for curators, technicians and data managers
3. Regular meetings with users to share experiences and feedback
4. Participation in the development of new tools for technicians and curators

Contact us: helpdesk@genesys-pgr.org



Production (2)
Testing (14)
Evaluation (5)

CIAT, WorldVeg

AfricaRice, CIMMYT, CIP, IRRI, ILRI, IITA, ICRAF, ICRISAT, Tunisia, Nigeria, Ghana, Ethiopia, Zambia and Kenya

Chile, Argentina, Uruguay, Cuba and ICC-COAGENT



GGCE adoption status

GG-CE documentation: <https://gitlab.croptrust.org/grin-global/support/-/wikis/overview/Overview>

GG-CE Support: helpdesk@genesys-pgr.org

Demo instance: <https://demo.ggce.genesys-pgr.org>



www.croptrust.org