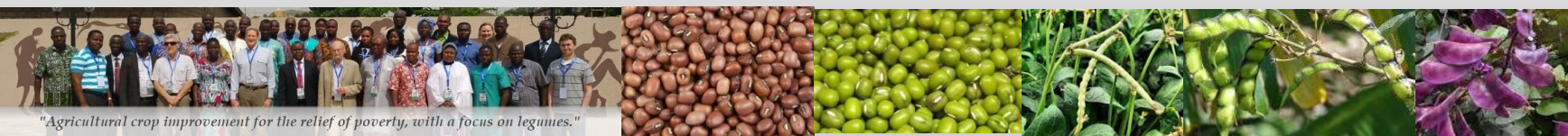


# EVALUATION OF STRESS TOLERANT ORPHAN LEGUMES (STOL) FOR DRYLAND FARMING SYSTEMS ACROSS SUB-SAHARAN AFRICA AND INDIA

ICAR-NBPGR, New Delhi



*"Agricultural crop improvement for the relief of poverty, with a focus on legumes."*

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## Status of Export under the Project (2023)

Crop	No.	Country
Moth bean #	13x 4 (52)	Senegal
Mungbean*	13 x5 (65)	Senegal
Mothbean	4 x 5 (20)	Burkina Faso
Mungbean	5 X 5 (25)	Burkina Faso
Cowpea	45	Namibia

### \*Mungbean varieties

MH421,  
MH1142 (MH2-14),  
Virat (IPM2-14),  
GM 7(Ganga),  
GM 4 (GAM 5)

### #Mothbean varieties

RMO435,  
RMO 257,  
RMO 25  
RMO 2251

**Permitted quantity for export: upto 200g**



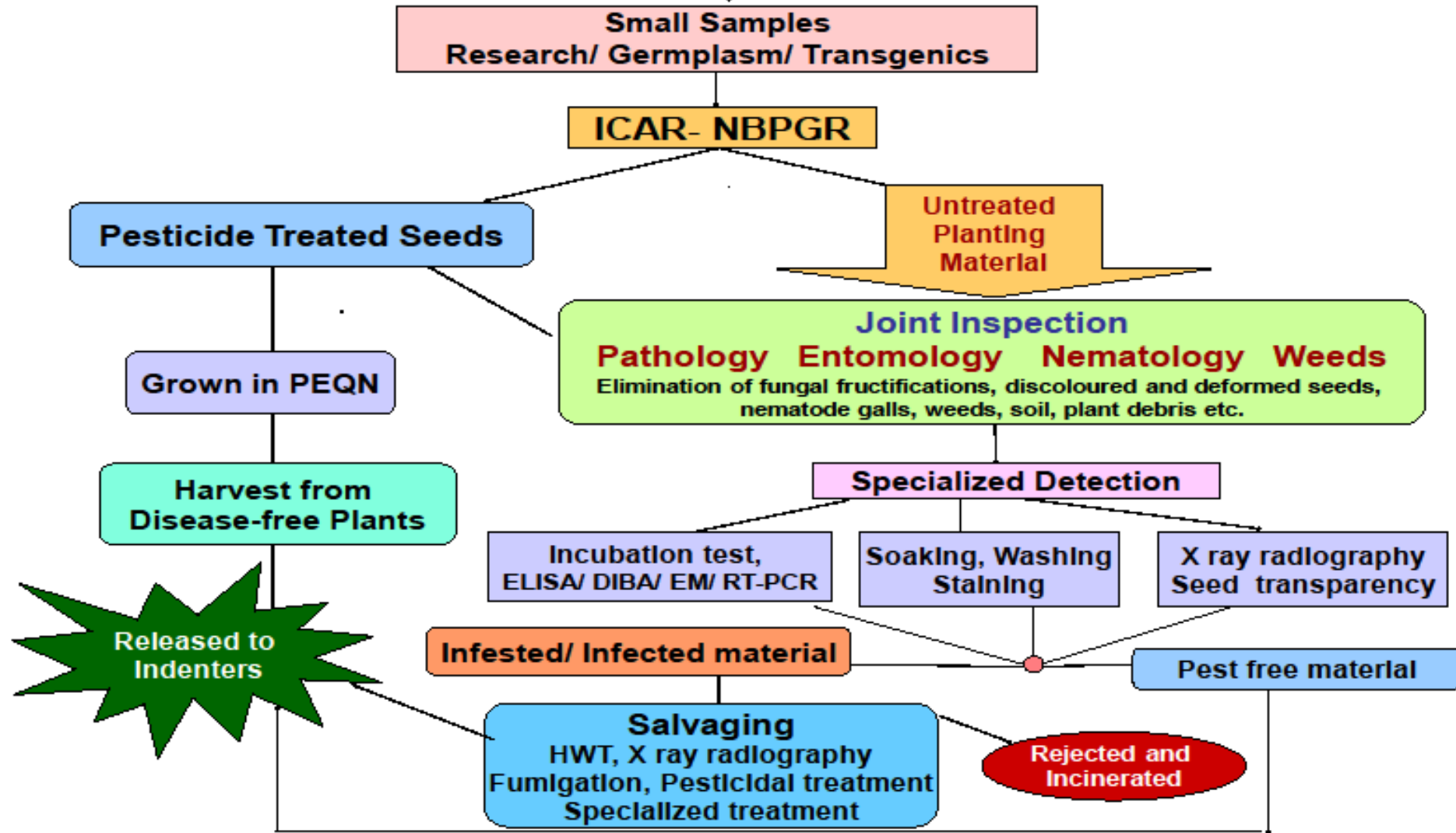
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# Quarantine Processing of Imported Seed/ Planting Material



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## Bambara groundnut germplasm sown at PEQN Hyderabad (Total 59 accessions)

No. of accessions	Imported from
20	Burkina Faso
10	Ghana
6	Tanzania
9	Niger
8	Uganda
6	Nigeria



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# Bambara groundnut germplasm sown at PEQN Hyderabad and farm visit during August 24, 2023



Discussions during visit undertaken to ICAR-NBPGR, RS, Hyderabad for Bambara groundnut trials under seed net



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## Export procedure followed under CRP

### Section 5 (Exemption) under BDA, 2002

**Collaborative Research Projects** involving transfer or exchange of biological resources or information relating thereto between institutions, including Government sponsored institutions of India, and such institutions in other countries, if such collaborative research projects satisfy the conditions as below are however exempted

- (i) Conform to the policy guidelines issued by the Central Government in this behalf;
- (ii) be approved by the Central Government.



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**Requests for export under CRPs compliant to the MoEFCC guidelines be verified as per the Checklist by NBPGR**



**Recommendations/ Comments from concerned crop Director/PD/PC**



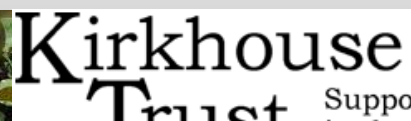
**Recommendation of Director, ICAR-NBPGR**



**Recommendations submitted to DARE through ICAR- SMD**



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## Import of Marama bean

1 accession of Marama bean (*Tylosema esculentum*) imported from from University of Science and Technology, Namibia in October 2020

EC1058893

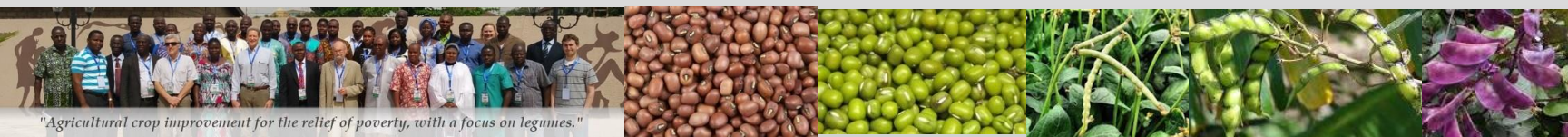
PMCMBC1

18 accessions of Marama bean (*Tylosema esculentum*) imported from from University of Science and Technology, Namibia in August 2023

EC1182184 MBPCC225  
EC1182185 MBPCC226  
EC1182186 MBPCC246  
EC1182187 MBPCC248  
EC1182188 MBPCC382  
EC1182189 MBPCC423  
EC1182190 MBPCC488  
EC1182191 MBPCC501  
EC1182192 MBPCC424  
EC1182193 MBPCC1

EC1182194 MBPCC3  
EC1182195 MBPCC6  
EC1182196 MBPCC114  
EC1182197 MBPCC161  
EC1182198 MBPCC300  
EC1182199 MBPCC401  
EC1182200 MBPCC405  
EC1182201 MBPCC201

Sent to AU, Jodhpur



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10 accessions of Tepary bean (*Phaseolus acutifolius*) imported from Institut de l'Environnement et, Recherches Agricoles (INERA), Burkina Faso (April 2022)

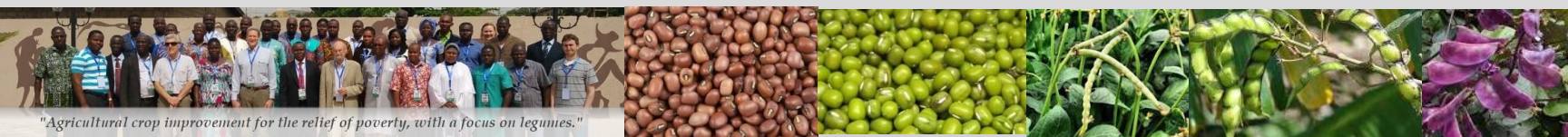
## Import of Tepary bean

17 accessions of Tepary bean (*Phaseolus acutifolius*) imported from University of California, Department of Plant Sciences, USA (July 2022)

EC1126747 G 40272  
EC1126748 G 40144C  
EC1126749 G 40112  
EC1126750 G 40144B  
EC1126751 G 40066  
EC1126752 G 40148  
EC1126753 G 40125  
EC1126754 G 40301  
EC1126755 G 40175  
EC1126756 G 40041

EC1131312 TARS TEP 23  
EC1131313 PI 440786  
EC1131314 PI 310801  
EC1131315 G 40068  
EC1131316 G 40006A  
EC1131317 G 40119  
EC1131318 G 40173A  
EC1131319 TARS TEP 22  
EC1131320 TARS-TEP-93

EC1131321 TARS-TEP-51  
EC1131322 TARS-TEP-58A  
EC1131323 TARS-TEP-97  
EC1131324 TARS-TEP-100  
EC1131325 TARS-TEP-101  
EC1131326 TARS-TEP-112  
EC1131327 TARS-TEP-32  
EC1131328 G 40200



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# Status of Import

Crop	No.	Country
Cowpea	4	Ghana
	5	Mali
	14	Niger
	10	Uganda
Bambara groundnut	20	Burkina Faso
	10	Ghana
	6	Nigeria
	10	Mali
	16	Niger
	6	Tanzania
	8	Uganda
Tepary bean	17	USA
	10	Burkina Faso
Marama bean	19	Namibia



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## Activities Under Two year Extension

- Multiplication of Bambara nut accessions and characterization at Regional Station Hyderabad
- Characterization and Preliminary evaluation of Tepary bean
- Seed multiplication for future use
- Potential crop uses (fodder, seed, pulse) and characterization



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