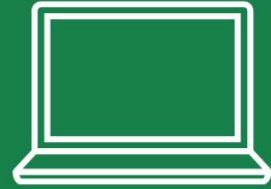


May 2024

NIGERIA SEED PORTAL



NSP.

Nigeria Seed Portal

THE HUB FOR NIGERIAN SEEDS AND THE
GATEWAY TO A BETTER FUTURE FOR NIGERIAN
FARMERS.



Plant Variety Release &
Registration Portal



Plant Variety
Protection Portal



USER MANUAL FOR BREEDERS



Manual for Breeders Using the Nigeria Seed Portal for Variety Release and Protection

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Introduction

The Nigeria Seed Portal is an essential tool for breeders aiming to release, register, and protect their plant varieties. It comprises two main sections: the Plant Variety Release and Registration Portal (PVR Portal) and the Plant Variety Protection Portal (PVP Portal). This manual provides a detailed guide for breeders to navigate these portals, ensuring compliance with Nigerian regulations.

Objectives

1. **Facilitate the efficient use of the Nigeria Seed Portal for variety release and protection.**
2. **Ensure breeders comply with Nigerian rules and regulations for variety release and plant variety protection.**
3. **Provide detailed, step-by-step instructions to navigate and utilize the PVR and PVP portals.**

Using the Plant Variety Release and Registration Portal (PVR Portal)

1. Accessing the PVR Portal

- **Login:**
 - Navigate to the PVR portal landing page.
 - Enter your login credentials and the correct CAPTCHA.
 - Click on the "Sign In" button.

💡 The CAPTCHA ensures that the login attempt is made by a human, preventing automated system access.





- **Registration (if not already registered):**
 - Select the option to register as a breeder.
 - Fill in the required details, which will be sent to the National Centre for Genetic Resources and Biotechnology (NACGRAB) for scrutiny.
 - Await account activation via email.
 - Log in using the provided credentials once activated.

💡 NACGRAB ensures that all breeder registrations are legitimate and meet the necessary requirements.

If you want to register as a breeder



Details goes to NACGRAB for scrutiny and you will get your account activated after that.
After that, log in using the same credentials

Once a Breeder is registered in the system, he/she can log in to both portals
So which portal you register first, doesn't matter
This logic is enabled for breeders who want to protect their varieties before releasing through this system

2. Starting a PVR Application

- **Initiate Application:**
 - After logging in, click on "New Application."
 - You will be directed to a multi-tabbed application form.

💡 The multi-tabbed format organizes the application process into manageable sections, making it easier to provide detailed information.

- **Filling in Information:**

- **General Information:**

- Choose the crop from the dropdown list.
 - Fill in all relevant details, such as variety name, breeding method, and parental lines.
 - Click "Next" to proceed to the next section.

- **Descriptors:**

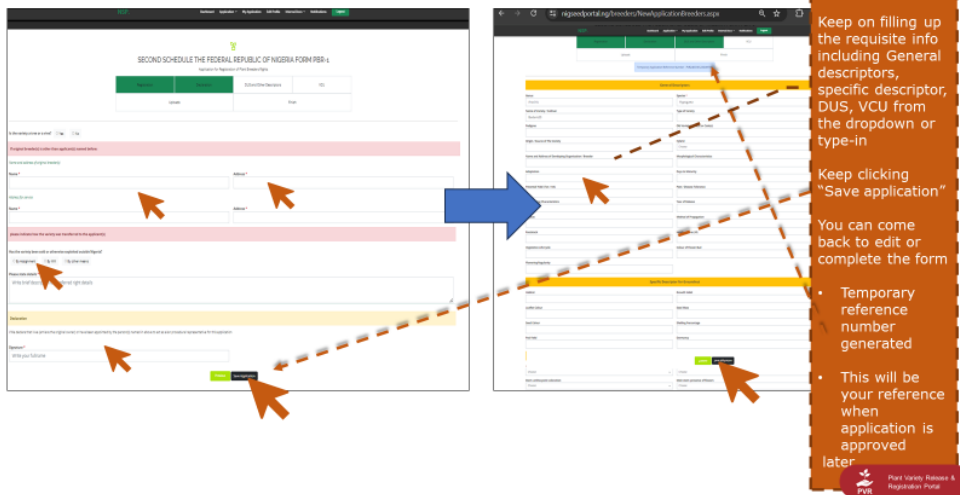
- Enter general descriptors (e.g., plant height, leaf shape), specific descriptors (e.g., flower color), DUS (Distinctness, Uniformity, and Stability), and VCU (Value for Cultivation and Use) information.

- **Saving Progress:**

- Continuously save your application by clicking "Save Application."
 - A temporary reference number will be generated for tracking.
 - See the 3 screenshots for the steps below

💡 saving your progress prevents data loss and generates a reference number for future tracking and it progresses the application to the next tab.

The screenshot shows a web application interface for crop registration. The main form is titled "Biodata Information" and is divided into several sections. On the left, there is a dropdown menu for selecting a crop, with "Groundnut" selected. Below this, there are input fields for "Company / Farm Name" (containing "Texel Seeds"), "State of Incorporation", "Name of proprietorship" (containing "sole"), "Botanical Name" (containing "Arachis hypogaea"), and "Proposed Denomination" (containing "Badam20"). The "Common Name" field contains "Peanut". Below these fields is a large text area for a "Brief description of plant (species, kind, genera, location of breeding)". At the bottom center, there is a green "Next" button. An orange callout box on the right side of the form contains the following instructions: "Choose crop", "Fill up the rest", and "Click next". Red arrows point to the "Next" button and the "Proposed Denomination" field. In the bottom right corner, there is a logo for "PVR Plant Variety Release & Registration Portal".

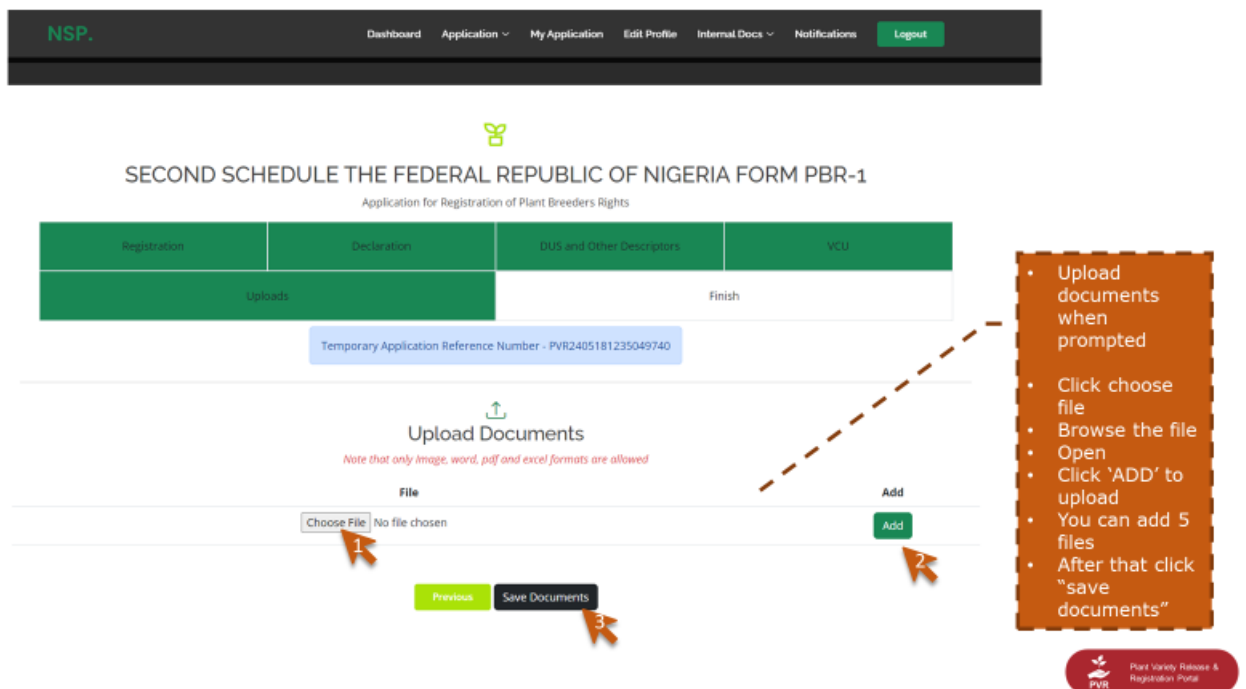


3. Uploading Documents


- **Document Upload:**


- Click "Choose File" to select the required documents from your device.
- Click "Add" to upload each document (up to five files).
- After adding all files, click "Save Documents."

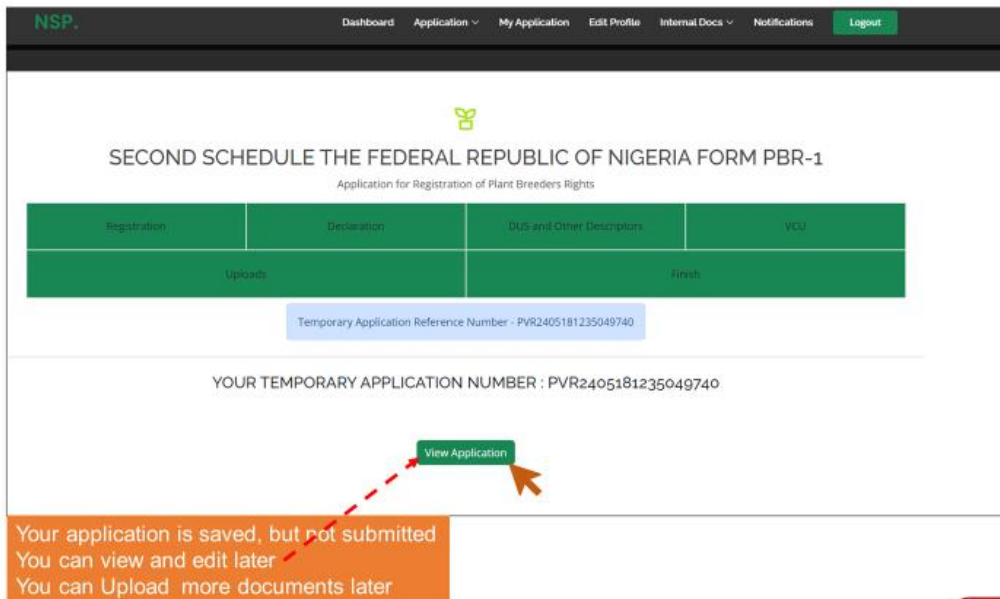
💡 Uploaded documents should include breeding records, test reports, application payment proofs and any other relevant certifications as required by the PVR regulations.




- **Saving and Editing:**


- Your application will now be saved but not submitted, allowing you to edit or upload more documents later. You submit to registrar later when you are confident you have all the information needed for the submission. You submit finally going to the "My Applications" section and clicking the green button 

 This feature provides flexibility to gather and upload documents over time, ensuring completeness before final submission.



4. Submitting the Application

- **Final Review:**
 - Review all entered information and uploaded documents.
 - Once satisfied, submit your application to the registrar. ( use this button)
 - Track the application status in the breeder's dashboard.

 A thorough review ensures accuracy and completeness, reducing the likelihood of rejection or requests for additional information.

APPLICATIONS

Application Type
All

Show 10 entries

#	Registration No	Registrant	Entry Date	Status	Plant Name	View	Edit	Final Submission	Download Certificate
1	PVR2405181235049740	Demo Arnab 4	18 May 2024	Pending	Groundnut				
2	PVR2404011255328240	Demo Arnab 4	01 Apr 2024	Accepted Under Consideration	Tomato				
3	PVR2403220201309019	ewrWEEW	22 Mar 2024	Submitted	Cotton				
4	PVR2402280439512450	Demo Arnab	28 Feb 2024	Pending	Groundnut				
5	PVR2402161210299299	Demo Arnab 3	16 Feb 2024	Submitted	Cassava				
6	24012401241820633435	Demo Arnab 3	24 Jan 2024	Approved	Okra				
7	24011203304020638726	Demo Arnab 2	12 Jan 2024	Approved	Wheat				
8	24011002341720632711	Demo Arnab	10 Jan 2024	Approved	Cassava				
9	24011002174520633192	Demo Arnab	10 Jan 2024	Approved	Tomato				
10	23122112523120634263	Arnab Test Dec	21 Dec 2023	Pending	Soybean				

Showing 1 to 10 of 16 entries

This is the breeder's dashboard

- This means you can **edit** the application. Absence means you can't anymore, unless registrar send it back to you
- This means you can **submit** to registrar. Absence means you already have
- This means an approved application and you can **download** your certificate
- You can always **view** your application

5. Tracking Application Status

- **Dashboard Status Indicators:**
 - **Pending:** Finalize and submit your application.
 - **Submitted:** Await registrar's acceptance or provisional rejection.
 - **Rejected under Consideration:** Edit and resubmit the application with corrections.
 - **Accepted under Consideration:** Registrar's review is in progress.

💡 These status indicators help breeders understand the current state of their application and what actions, if any, are required.

APPLICATIONS

Application Type
All

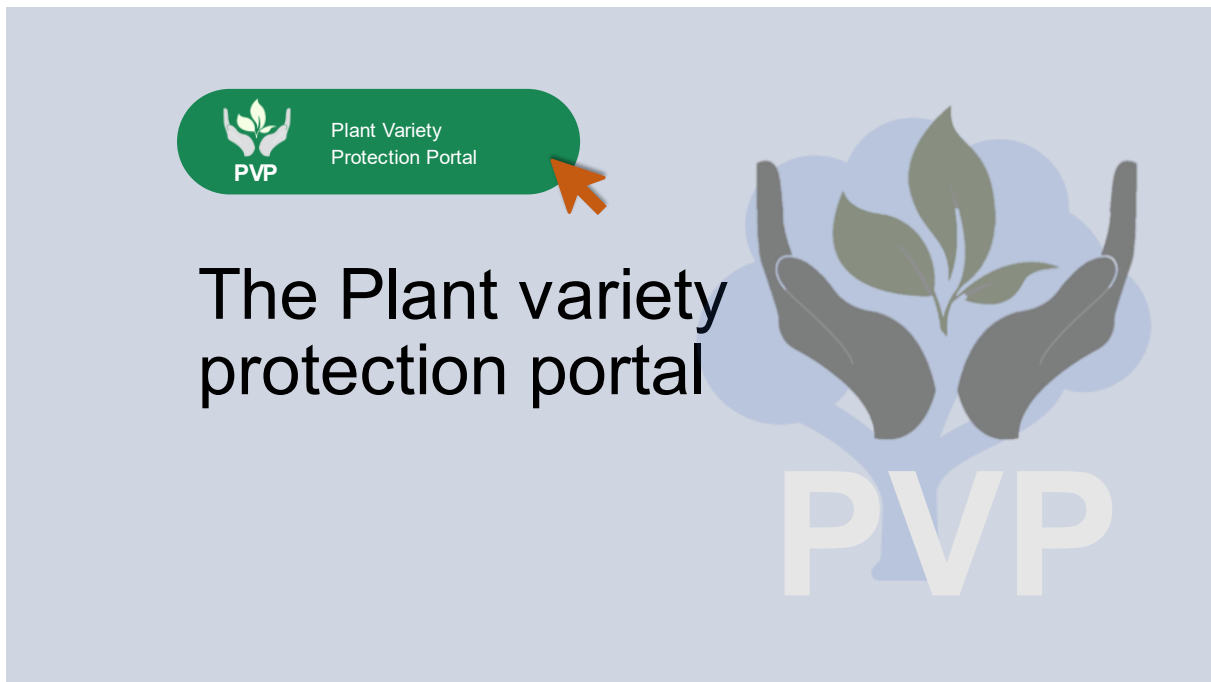
Show 10 entries

#	Registration No	Registrant	Entry Date	Status	Plant Name	View	Edit	Final Submission	Download Certificate
1	PVR2405181235049740	Demo Arnab 4	18 May 2024	Pending	Groundnut				
2	PVR2404011255328240	Demo Arnab 4	01 Apr 2024	Accepted Under Consideration	Tomato				
3	PVR2403220201309019	ewrWEEW	22 Mar 2024	Submitted	Cotton				
4	PVR2402280439512450	Demo Arnab	28 Feb 2024	Pending	Groundnut				
5	PVR2402161210299299	Demo Arnab 3	16 Feb 2024	Submitted	Cassava				
6	24012401241820633435	Demo Arnab 3	24 Jan 2024	Approved	Okra				
7	24011203304020638726	Demo Arnab 2	12 Jan 2024	Approved	Wheat				
8	24011002341720632711	Demo Arnab	10 Jan 2024	Approved	Cassava				
9	24011002174520633192	Demo Arnab	10 Jan 2024	Approved	Tomato				
10	23122112523120634263	Arnab Test Dec	21 Dec 2023	Pending	Soybean				

Showing 1 to 10 of 16 entries

Statuses in the dashboard: Breeders' actions

- Pending:** You need to finalize your application and submit whenever your form is ready with all docs and info
- Submitted:** Registrar needs to either accept or provisionally reject
- Rejected under consideration:** There are some info missing or incorrect. You can now edit and 'resubmit'.
- Accepted under consideration:** Registrar has accepted and your application is under review by TSC and NSC



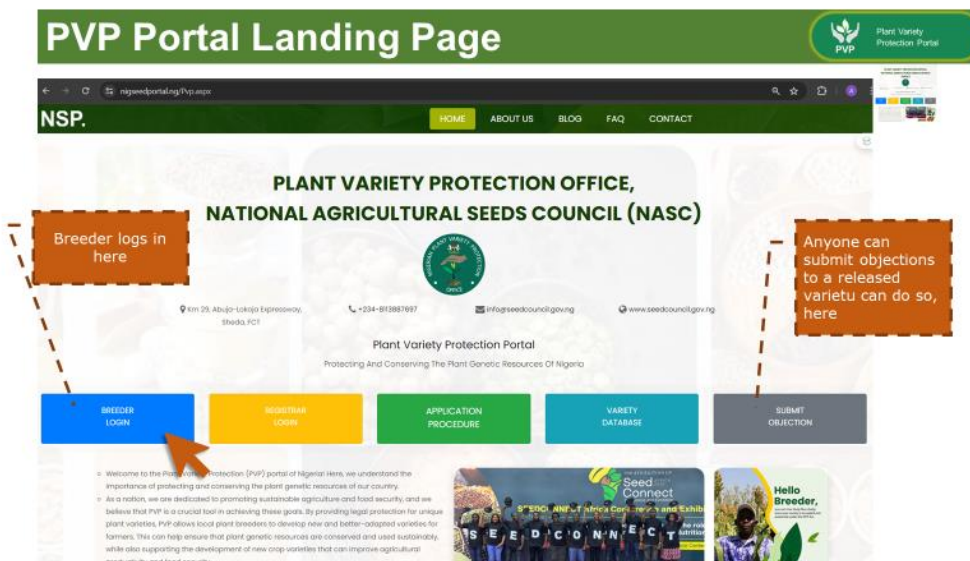
Using the Plant Variety Protection Portal (PVP Portal)

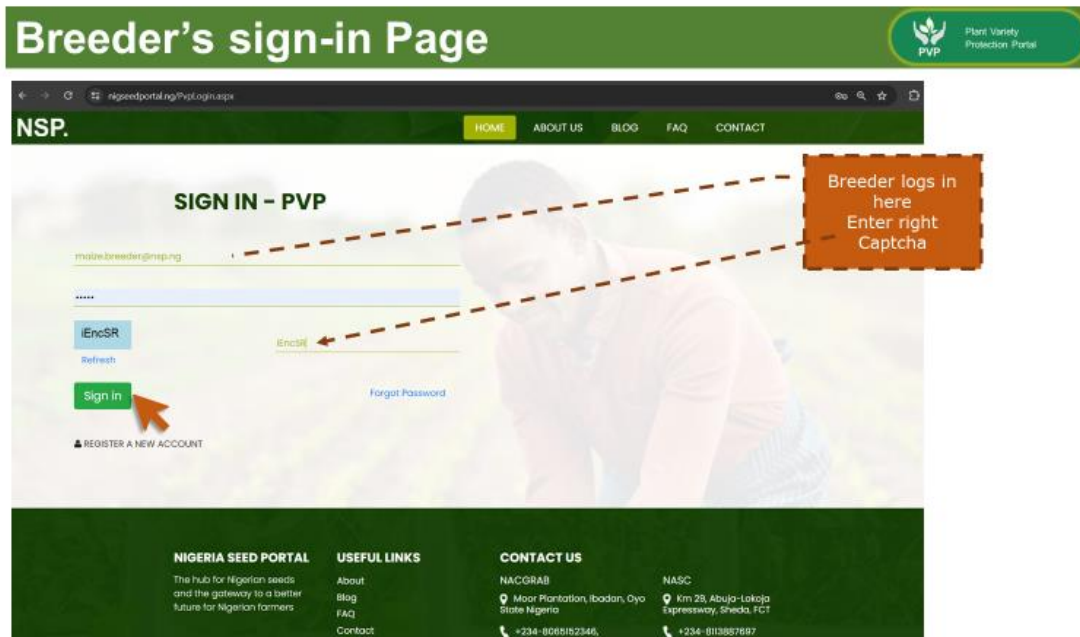
1. Accessing the PVP Portal

- **Login:**

- Navigate to the PVP portal landing page.
- Enter your login credentials and the correct CAPTCHA.
- Click on the "Sign In" button.

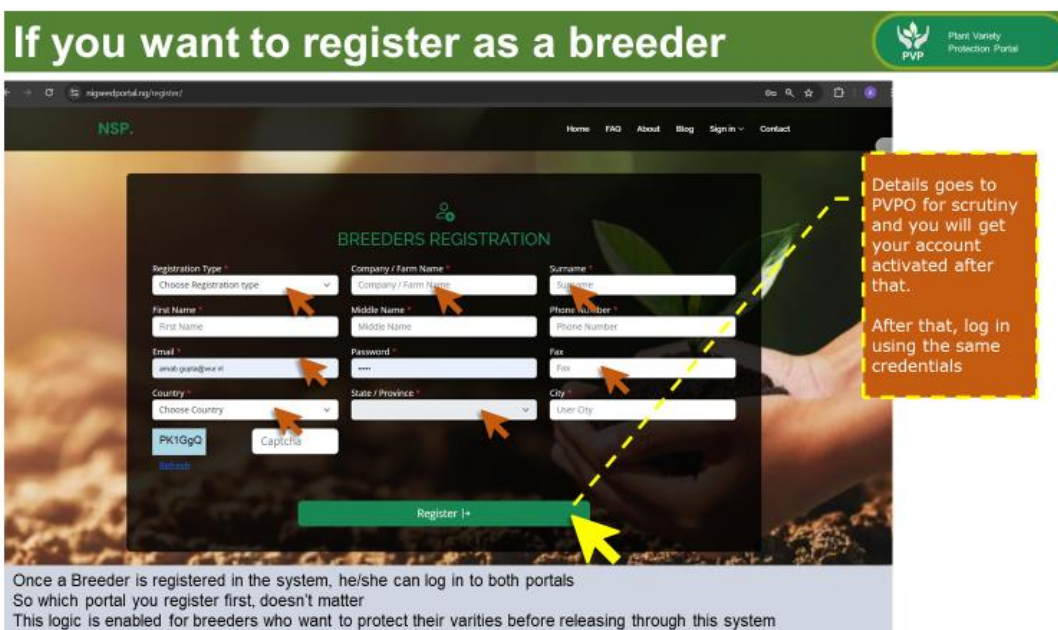
💡 The CAPTCHA ensures that the login attempt is made by a human, preventing automated system access.





- **Registration (if not already registered):**
 - Select the option to register as a breeder.
 - Fill in the required details for scrutiny by the Plant Variety Protection Office (PVPO).
 - Await account activation via email.
 - Log in using the provided credentials once activated.

💡 PVPO ensures that all breeder registrations are legitimate and meet the necessary requirements.

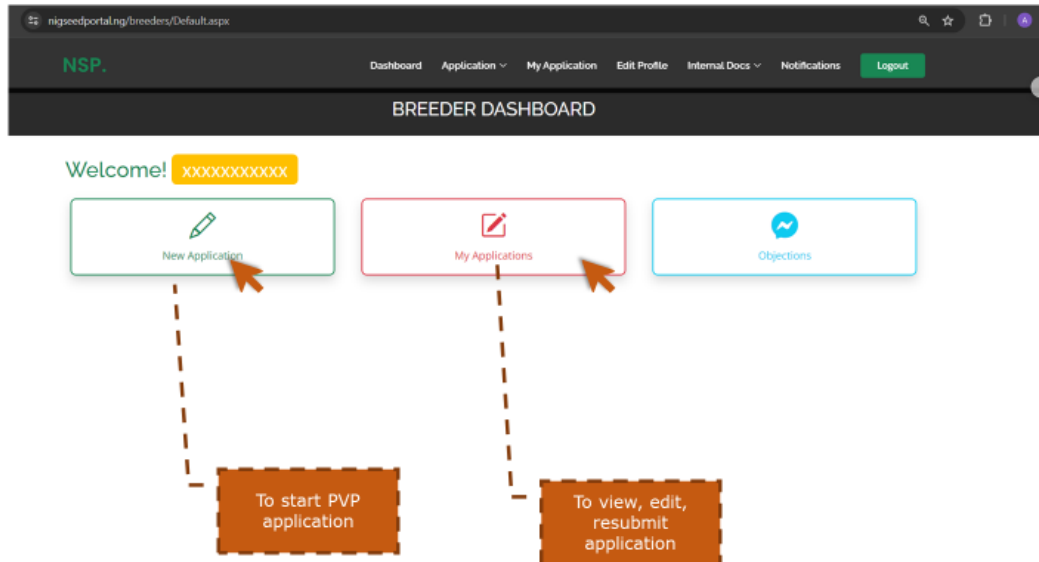


2. Starting a PVP Application

- **Initiate Application:**

- After logging in, click on "New Application."
- You will be directed to a multi-tabbed application form.


💡 The multi-tabbed format organizes the application process into manageable sections, making it easier to provide detailed information.



- **Filling in Information:**

- **General Information:**

- Fill in all relevant details, such as variety name, breeding method, and parental lines.
- Click "Next" to proceed to the next section.


UPOV MODEL FORM
FOR THE APPLICATION FOR PLANT BREEDERS' RIGHTS

Registration
Technical Questionnaire
DUS
Uploads
Finish

Multiple tabs for information. Fill in all info that is relevant.


Information on applicant or representative

Applicant (s) Name *	Applicant (s) Address *
Telephone number(s) *	Fax *
Nationality (ies) *	Residence (Country) * <small>Choose</small>
Registered offices for legal entities (State) * <small>Registered offices for legal entities (State)</small>	
A procedural representative/agent/proxy will be used? <input type="radio"/> Yes <input type="radio"/> No	

Name and address to which correspondence is to be sent (if different from above)

NSP.
Logout

APPLICATION FORM


UPOV MODEL FORM
FOR THE APPLICATION FOR PLANT BREEDERS' RIGHTS

Registration
Technical Questionnaire
DUS
Uploads
Finish

Information on applicant or representative

Applicant (s) Name *
Tony Mkena

Applicant (s) Address *
Fill in address
Logout

APPLICATION FORM

Telephone number(s) *
445555555

Fax *
447788522

Nationality (ies) *
Nigerian

Residence (Country) *
Nigeria

Registered offices for legal entities (State) *
add info.....

A procedural representative/agent/proxy will be used? Yes No

Name and address to which correspondence is to be sent (if different from above)

Name *
Address *
Telephone No. *
Fax *

Other Applications for the Official Variety List enter Field ID: Governmental: [Logout](#)

Application No *

Stage *

Breeders Reference or Denomination *

Other Declarations (Optional)

7. Priority is claimed in respect of the application filed in (State / Intergovernmental Organization) (first application) on (date) under the denomination (Enter the details separated by comma)
 *An official copy of the first application, including the date of filing, is requested as a certification of priority (upload if applicable, the uploads section below)

8. The variety has been
 sold or otherwise disposed of to others, by or with the consent of the breeder, for purposes of exploitation of the variety
 offered for sale or marketed, with the agreement of the breeder Not Yet
 For the first time (Add date below) And in other countries

In Which date the variety was offered for sale for the first time? *

NSP. [Logout](#)

In which date was the variety sold in other territories/ countries? *

AUTHORIZATION

9.(b). I/We declare that the material provided with the first application is representative of the variety and relevant to this application.
 Yes I/We do

(c) Authorization is hereby given to the Authority to exchange with the competent authorities of any UPOV member all necessary information and material related to the variety, provided that the rights of the applicant are safeguarded.
 Agree Disagree No Applicable

I/We hereby apply for the grant of plant breeders' rights. I/We hereby declare that, to the best of my/our knowledge, the information necessary for the examination of the application, given in this form and in the annexes, is complete and correct.*
 Enter Name(s); Place and Date
 Write your fullname

[Save Application](#)

- **UPOV Model Technical Questionnaire:**

- Complete the questionnaire according to the guidelines provided by the International Union for the Protection of New Varieties of Plants (UPOV).

Fill in the UPOV model Technical Questionnaire too, in the next tab

NSP. [Logout](#)

APPLICATION FORM

UPOV MODEL FORM FOR THE APPLICATION FOR PLANT BREEDERS' RIGHTS

Reference Number * Submitter Subsequent

1.2 Common name * 2. Applicant Name *

3.434 343434 4. Telephone no *

5.123 456 789 6. Email Address *

7.8901234 8. Requested denomination *

9.0123456 10.21

11. Breeding scheme

12. Method of propagating the variety

13. DUS Test report for this crop

14. Similar varieties

NSP. [Logout](#)

Describe the expression of the characteristics for the similar varieties *

Describe the expression of the characteristics for your candidate variety *

7.1 In addition to the information provided in sections 2 and 8, are there any additional characteristics which may help to distinguish the variety? Yes No

8. Do there any special conditions for growing the variety or conducting the identification? Yes No

Other information * Refer to 1.4 (Chapter 18.10.3.1) - variety name; 1.4.2 (Chapter 18.10.3.2) - where a photograph of the variety is to be provided; 1.4.3 (Chapter 18.10.3.3) - guidelines for application

Authorization for release

9.1 Do the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? Yes No

9.2 If yes, upload the authorization [No file uploaded](#)

9.3 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardation or pesticides), effects of insecticides, different substrates, water taken from different phases of a tree, etc. Information on plant material to be submitted is submitted for examination. Disagree No file uploaded Yes

9.4 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authority allows or requests such treatment. If the plant material has undergone such treatment, full details of the treatment must be given, on the request, please provide details, on the basis of your knowledge. If the plant material to be examined has been subjected to such treatment which may have concealed characteristics of plant material to be examined or concealed for examination, Refer to 1.4.2 (Chapter 18.10.3.2) - notes for the presence of pests or other pathogens? Microorganisms (e.g. virus, bacteria, phytoplasma) Chemical treatment (e.g. growth retardants, pesticides) Fungicide culture

Declaration

I/We hereby declare that, to the best of my knowledge, the information provided in this form is correct.*
 Applicant Name

Date *


[Save Application](#)

- **DUS Information:**

- Enter the required DUS details.
- If you already have done the DUS testing through an authorized entity, check the "I have DUS report" checkbox and upload the pdf document. Otherwise continue selecting the DUS traits for the crop from the drop down menu.

NSP. Dashboard Application My Application Edit Profile Internal Docs Notifications Logout

APPLICATION FORM



UPOV MODEL FORM FOR THE APPLICATION FOR PLANT BREEDERS' RIGHTS

Registration Technical Questionnaire DUS Uploads Finish

Temporary Application Reference Number - PVP2405180730125516

I have an official DUS Report

Upload File *
Choose File | No file chosen


Mandatory Potato DUS Characteristics

Lightsprout: size <input type="text" value="small"/>	Lightsprout: shape <input type="text" value="ovoid"/>	Lightsprout: intensity of anthocyanin coloration of base <input type="text" value="weak"/>	Lightsprout: proportion of blue in anthocyanin coloration of base <input type="text" value="absent or low"/>
Lightsprout: pubescence of base <input type="text" value="weak"/>	Lightsprout: size of tip in relation to base <input type="text" value="medium"/>	Lightsprout: habit of tip <input type="text" value="closed"/>	Lightsprout: anthocyanin coloration of tip <input type="text" value="Choose Option"/>
Lightsprout: pubescence of tip <input type="text" value="weak"/>	Lightsprout: number of root tips <input type="text" value="few"/>	Lightsprout: length of lateral shoots <input type="text" value="medium"/>	Plant: foliage structure stem type <input type="text" value="Choose Option"/>
Plant: growth habit <input type="text" value="Choose Option"/>	Stem: anthocyanin coloration <input type="text" value="absent or very weak"/>	Leaf: outline size <input type="text" value="medium"/>	Leaf: openness <input type="text" value="Choose Option"/>
Leaf: presence of secondary leaflets <input type="text" value="medium"/>	Leaf: green color <input type="text" value="dark"/>	Leaf: anthocyanin coloration on midrib of upper side <input type="text" value="Choose Option"/>	Second pair of lateral leaflets: size <input type="text" value="Choose Option"/>
Second pair of lateral leaflets: width in relation to length <input type="text" value="narrow"/>	Terminal and lateral leaflets: frequency of coalescence <input type="text" value="low"/>	Leaflet: waviness of margin <input type="text" value="weak"/>	Leaflet: depth of veins <input type="text" value="shallow"/>
Leaflet: glossiness of the upperside <input type="text" value="Choose Option"/>	Leaflet: pubescence of blade at apical rosette <input type="text" value="absent"/>	Flower bud: anthocyanin coloration <input type="text" value="weak"/>	Plant: height <input type="text" value="very short"/>
Plant: frequency of flowers <input type="text" value="absent or very low"/>	Inflorescence: size <input type="text" value="small"/>	Inflorescence: anthocyanin coloration on peduncle <input type="text" value="Choose Option"/>	Flower corolla: size <input type="text" value="small"/>
Flower corolla: intensity of anthocyanin coloration on inner side <input type="text" value="absent or very weak"/>	Flower corolla: proportion of blue in anthocyanin coloration on inner side <input type="text" value="absent or low"/>	Flower corolla: extent of anthocyanin coloration on inner side <input type="text" value="small"/>	Plant: time of maturity <input type="text" value="Choose Option"/>
Tuber: shape <input type="text" value="Choose Option"/>	Tuber: depth of eyes <input type="text" value="Choose Option"/>	Tuber: color of skin <input type="text" value="Choose Option"/>	Tuber: color of base of eye <input type="text" value="Choose Option"/>
Tuber: color of flesh <input type="text" value="Choose Option"/>	Light beige and yellow skinned varieties only: Tuber: anthocyanin coloration of skin in reaction to light <input type="text" value="Choose Option"/>		

Previous
Save DUS

- **Saving Progress:**

- Continuously save your application by clicking "Save Application."
- A temporary reference number will be generated for tracking.

 Regularly saving your progress prevents data loss and generates a reference number for future tracking.

3. Uploading Documents

- **Document Upload:**

- Click "Choose File" to select the required documents from your device.

- Click "Add" to upload each document.
- After adding all files, click "Save Documents."

💡 Uploaded documents should include breeding records, test reports, payment proofs, and any other relevant certifications as delimited by the Nigerian laws.

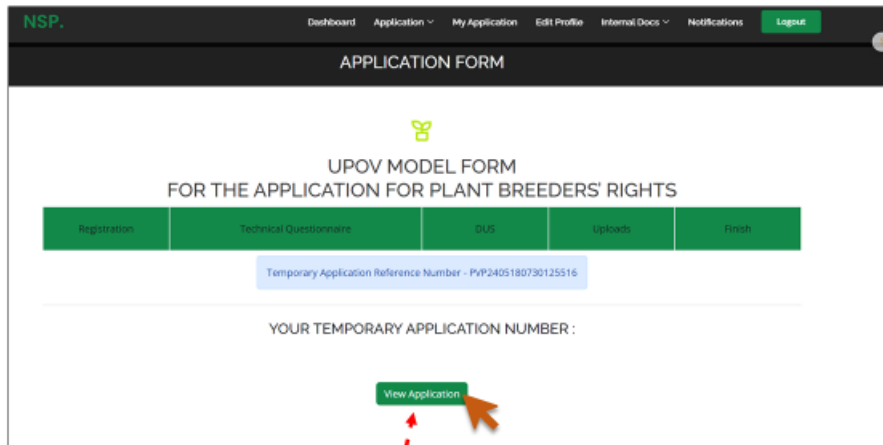
- Upload the necessary files
- If you don't have them right now, you can always save the application and come back later to add documents

AFTER CHOOSE FILE AND ADDING THE FILE, DO NOT FORGET TO CLICK "SAVE' TO FINALIZE THE UPLOAD

- **Saving and Editing:**

- Your application can be saved but not submitted, allowing you to edit or upload more documents later.

💡 This feature provides flexibility to gather and upload documents over time, ensuring completeness before final submission.



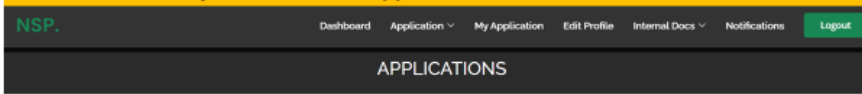
Your application is saved, but not submitted
You can view and edit later
You can Upload more documents later

4. Submitting the Application

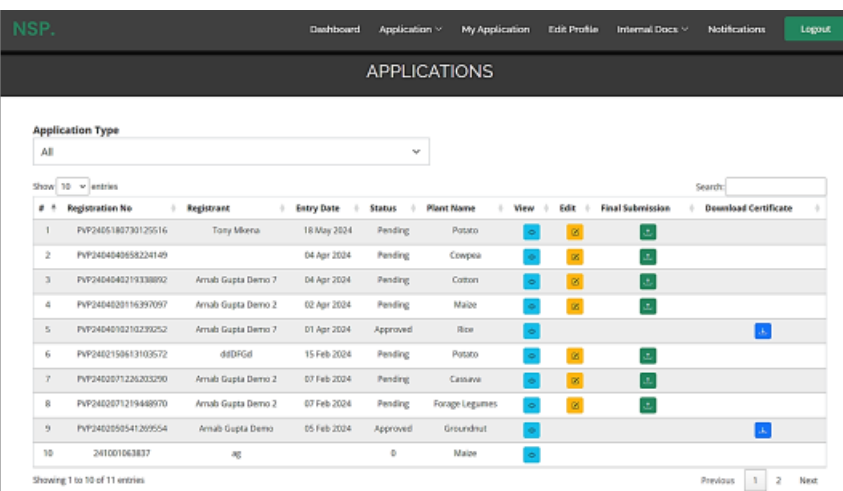
- **Final Review:**
 - Review all entered information and uploaded documents.
 - Once satisfied, submit your application to the registrar.
 - Track the application status in the breeder's dashboard.
 - *Explanation:* A thorough review ensures accuracy and completeness, reducing the likelihood of rejection or requests for additional information.

Some notes

You may also be registered and have submissions in the **Variety release portal**, but this PVP one is separate. Your dashboard only shows the **PVP applications**.



#	Registration No	Registrant	Entry Date	Status	Plant Name	View	Edit	Final Submission	Download Certificate
1	PVP2405180730125516	Tony Mkenia	18 May 2024	Pending	Potato				
2	PVP2404040658224149		04 Apr 2024	Pending	Cowpea				
3	PVP2404040219338892	Arnab Gupta Demo 7	04 Apr 2024	Pending	Cotton				
4	PVP2404020116397097	Arnab Gupta Demo 2	02 Apr 2024	Pending	Maize				
5	PVP2404010210239252	Arnab Gupta Demo 7	01 Apr 2024	Approved	Rice				
6	PVP2402150613103572	ddDFGd	15 Feb 2024	Pending	Potato				
7	PVP2402071226203290	Arnab Gupta Demo 2	07 Feb 2024	Pending	Cassava				
8	PVP2402071219448970	Arnab Gupta Demo 2	07 Feb 2024	Pending	Forage Legumes				
9	PVP2402050541209554	Arnab Gupta Demo	05 Feb 2024	Approved	Groundnut				
10	241001063837	ag	0	Maize					



This is the breeder's dashboard, Same as PVR portal

- This means you can **edit** the application. Absence means you can't anymore, unless the registrar sends it back to you.
- This means you can **submit** to the registrar. Absence means you already have.
- This means an approved application and you can **download** your certificate.
- You can always **view** your application.

5. Tracking Application Status

• Dashboard Status Indicators:

- **Pending/Draft:** Finalize and submit your application.
- **Submitted:** Await the registrar's acceptance or provisional rejection.
- **Rejected under Consideration:** Edit and resubmit the application with corrections.
- **Accepted under Consideration:** Await the review and Gazette publication.

💡 These status indicators help breeders understand the current state of their application and what actions, if any, are required.

The screenshot shows the NSP Applications dashboard. At the top, there are navigation links: Dashboard, Application, My Application, Edit Profile, Internal Docs, Notifications, and Logout. The main heading is 'APPLICATIONS'. Below this, there is a filter for 'Application Type' set to 'All'. A search bar is present on the right. The main content is a table with the following columns: #, Registration No, Registrant, Entry Date, Status, Plant Name, View, Edit, Final Submission, and Download Certificate. The table contains 10 entries, with the last one partially cut off. The status of the entries varies: Pending, Approved, and one is missing. The plant names include Potato, Cowpea, Cotton, Maize, Rice, and Forage Legumes.

#	Registration No	Registrant	Entry Date	Status	Plant Name	View	Edit	Final Submission	Download Certificate
1	PVP2405180730125516	Tony Mbena	18 May 2024	Pending	Potato				
2	PVP2404040658234149		04 Apr 2024	Pending	Cowpea				
3	PVP2404040219338892	Arnab Gupta Demo 7	04 Apr 2024	Pending	Cotton				
4	PVP2404020116392097	Arnab Gupta Demo 2	02 Apr 2024	Pending	Maize				
5	PVP2404030210239252	Arnab Gupta Demo 7	01 Apr 2024	Approved	Rice				
6	PVP2402150613103572	dDRGd	15 Feb 2024	Pending	Potato				
7	PVP24020712262033290	Arnab Gupta Demo 2	07 Feb 2024	Pending	Cassava				
8	PVP2402071219448970	Arnab Gupta Demo 2	07 Feb 2024	Pending	Forage Legumes				
9	PVP2402050541209554	Arnab Gupta Demo	05 Feb 2024	Approved	Groundnut				
10	241001063837	ag	0	Maize					

This is the breeder's dashboard, Same as PVR portal

- This means you can **edit** the application. Absence means you cant anymore, unless registrar send it back to you
- This means you can **submit** to registrar. Absence means you already have
- This means an approved application and you can **download** your certificate
- You can always **view** your application

Compliance with Nigerian Rules

Both the PVR and PVP portals are designed to comply with Nigerian regulations for plant variety release and protection. The steps outlined ensure adherence to the guidelines set by NACGRAB for variety release and PVPO for variety protection, facilitating a smooth and regulatory-compliant process for breeders.

Glossary

1. **Account Activation:** The step after successful breeder registration where the relevant Nigerian authority verifies the provided information and grants the breeder access to the online portals by activating their account and providing login credentials.
2. **Application Status:** Indicators that inform breeders about the current stage of their application, such as "Pending," "Submitted," "Rejected under Consideration," or "Accepted under Consideration," allowing them to track its progress.
3. **Breeder Registration:** The process by which a breeder provides personal and professional details to the relevant Nigerian authority (NACGRAB or PVPO) to establish their identity and eligibility to apply for plant variety release or protection.
4. **Breeder's Dashboard:** A personalized online interface within the Nigeria Seed Portal where breeders can access, manage, and monitor the status of their applications for variety release or protection.
5. **CAPTCHA:** A security measure that involves presenting a simple test (e.g., identifying distorted letters or numbers) during the login process to verify that the user is a human and not an automated system, preventing unauthorized access.
6. **Distinctness, Uniformity, and Stability (DUS):** Three essential criteria that a new plant variety must meet to be eligible for protection, ensuring it is distinct from existing varieties, uniform in its characteristics, and stable across generations.
7. **Document Upload:** The process of submitting supporting documentation, such as breeding records, test reports, and relevant certifications, as part of the application process for variety release or protection.
8. **DUS Report:** An official document that presents the results of the DUS testing conducted on a new plant variety, demonstrating its compliance with the DUS criteria required for protection.
9. **DUS Testing:** A comprehensive evaluation process to assess whether a new plant variety meets the Distinctness, Uniformity, and Stability criteria, typically conducted by authorized testing centers or agencies.
10. **DUS Traits:** Specific characteristics or attributes of a plant variety that are assessed during the DUS testing process, such as plant height, leaf shape, flower color, or disease resistance, to determine its distinctness, uniformity, and stability.
11. **Final Review:** The step in the application process where breeders carefully review all the information and documents they have provided to ensure accuracy and completeness before submitting the application to the relevant authority.
12. **Gazette Publication:** The official public announcement or notice in the government gazette (official journal) regarding the acceptance of a plant variety for protection, informing the general public and other interested parties and invite if they have any objections pertaining to infringement.
13. **General Descriptors:** Broad characteristics used to describe the overall appearance and growth habit of a plant variety, such as plant height, leaf shape, and growth pattern.
14. **Multi-tabbed Application Form:** A user-friendly format for online applications that breaks down the process into multiple sections or tabs, allowing breeders to navigate and complete the application in a structured and organized manner.
15. **National Centre for Genetic Resources and Biotechnology (NACGRAB):** The Nigerian government agency responsible for overseeing and regulating the release and registration of new plant varieties in the country.
16. **Nigerian Regulations:** The laws, rules, and guidelines set forth by the Nigerian government, through agencies like NACGRAB and PVPO, that govern the processes of plant variety release, registration, and protection in the country.

17. **Parental Lines:** The parent plant varieties or genotypes used in the breeding process to create the new variety, information that must be provided in the application.
18. **Plant Variety Protection Office (PVPO):** The Nigerian government office tasked with administering and enforcing plant variety protection laws, ensuring breeders' rights over their protected varieties.
19. **Plant Variety Protection Portal (PVP Portal):** A section of the Nigeria Seed Portal that enables breeders to apply for legal protection of their new plant varieties, granting them exclusive rights over their commercialization and propagation.
20. **Plant Variety Release and Registration Portal (PVR Portal):** A section of the Nigeria Seed Portal designed to facilitate the process of applying for the official release and registration of newly developed plant varieties in Nigeria.
21. **Provisional Rejection:** A temporary rejection of an application for variety release or protection, typically due to incomplete or incorrect information, allowing the breeder to make necessary corrections and resubmit the application.
22. **Reference Number:** A unique identification number assigned to a breeder's application upon saving their progress, allowing them to track and retrieve their application at a later time.
23. **Regulatory Compliance:** The adherence to the rules, regulations, and guidelines set forth by the Nigerian government agencies (NACGRAB and PVPO) governing the processes of plant variety release, registration, and protection, which the Nigeria Seed Portal is designed to facilitate.
24. **Saving and Editing:** The ability to save an incomplete application and make changes or add more information before final submission, allowing breeders to gather and prepare all necessary documents and data over time.
25. **Specific Descriptors:** Detailed characteristics used to distinguish a plant variety, such as flower color, fruit size, or disease resistance.
26. **UPOV Model Technical Questionnaire:** A standardized questionnaire developed by the International Union for the Protection of New Varieties of Plants (UPOV) that breeders must complete as part of the application process for plant variety protection, providing detailed technical information about their new variety.
27. **Value for Cultivation and Use (VCU):** An evaluation of a new plant variety's agronomic performance, yield potential, and suitability for cultivation and intended use, which is a requirement for variety release and registration.
28. **Variety Name / Denomination:** The unique name assigned to a new plant variety by the breeder, which must be provided in the application form.
29. **Breeding Method:** The specific technique or approach used by the breeder to develop the new plant variety, such as hybridization, mutation breeding, or genetic engineering.
30. **Nigeria Seed Portal:** A comprehensive online platform maintained by the Nigerian government that provides breeders with digital tools for releasing, registering, and obtaining legal protection for new plant varieties.