

#### Product Life cycle management for innovative Seed companies



# Versioning:

Version	Date	Author	Main changes
1.0	20/09/2024	Maryam	First published version
1.1	14/10/2024	Maryam	Updated the catalogue, observations, trial and organization module descriptions.
1.2	14/11/2024	Maryam	Updated the catalogue (templates), variety images tools, observations files/media view
1.3	04/12/2024	Maryam	DAM, Observation charts, Trial varieties (replications and custom fields)
1.4	22/12/2024	Maryam	Improved and added content to DAM,Charts, and also the assets tab in varieties
1.5	28/04/2025	Maryam	Added Tasks, profile & notification settings

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Glossary\_\_\_\_\_

## Introduction

Seedsoft is designed to assist you in efficiently managing portfolio of Seeds Varieties their Life Cycle and the corresponding trials.

The system has seven main interconnected modules:

- <u>Varieties</u>
- <u>Catalogues</u>
- Trials
- Observations
- <u>Inventory</u>
- Organizations
- Digital Assets (DAM)
- <u>Tasks</u>

Throughout the next pages, each module will be explained in detail.

## Navigation of the SeedSoft system

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Observations	Global name		Serial No	Seed type	Breeder's variety n Breeder's 🔶 🚦	Supplier's variety ID	Crop family	Crop ↑	Segment Breeder 0
Inventory	8084		SAN0AA01	Hybrid	↑ Sort by ASC		Anémone	Anémone bisanuelle	Harmony
Organizations	8082		SAN0AA06	Open Pollinated	↓ Sort by DESC		Anémone	Anémone bisanuelle	Harmony
Digital assets	8081		SAN0AA05	Open Pollinated	<ul> <li>Pin to left</li> <li>Pin to right</li> </ul>		Anémone	Anémone bisanuelle	Harmony
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	4850		SAN0AA07	Open Pollinated	Group by Breeder's variety ID		Anémone	Anémone Vivace	A.Pulsatilla Vulgaris
	SCO0AA72		SCO0AA72	Open Pollinated	<ul> <li>Weight Hide column</li> <li>Manage columns</li> </ul>	Ind1	Compositae	ARTICHOKE	
	new name		SCO0AA01	Open Pollinated	1	undefined	Compositae	ARTICHOKE	Green, Purple
	SCO0AA02		SCO0AA02	Open Pollinated	i	GREEN_GLOBE	Compositae	ARTICHOKE	Green

- By clicking on the menu button, you can expand or collapse the menu section. Update: When the menu is closed, you can quickly access menu items by hovering your mouse over the menu area, which will open the menu.
- 2. In new top bar design, you can manage profile settings, change the language, expand the page (full view), view notifications (currently only for tasks), and add varieties to an existing or new catalogue. Your logo is also displayed in the top right corner.
- 3. Using the tools at the top of the lists, you can manage and control your data grid. Filter, arrange columns, define density, and export the selected varieties. Any changes made at this level can be saved under your desired title using "Save Current View," which is next stored in "Custom View" next to it for your future access to the same customized list. These changes could include

applying filters, expanding lists, using column menu items, changing the order or size of the columns and more.

- **4.** By toggling this switch, you can change the **status of the table**, depending on which table you're using.
- 5. There is an advanced search field at the top of each list where you can search and view any item that you need from the list. This is a full-text search considering everything stored in the database for a particular module.
- 6. In each data grid, you'll have access to various properties for each column. Some are fixed in every table, but the admin can also add custom fields and decide whether they should be displayed in the tables or not.
- **7.** The blue color indicates a link, and by clicking on it, the relevant details will be displayed.
- 8. By clicking on the menu icon next to each column title, you can sort, pin, filter, set aggregation, group, hide/show, and manage columns. The menu for numerical columns is located on the left side of the column title.
- 9. At the bottom right, you can access pagination and easily navigate through pages. Note: It is better to perform any operations on the lists (like search, sort, filter, etc) after loading is finished to ensure accurate results.

## **Profile Settings:**

In the profile settings dialog, you'll first see your username and email. At the bottom, there are two sections where you can manage **General Settings and Notification Settings.** 

- In General Settings, you can choose to show or hide your contact information from others, set a default date format (which will be applied to all dates across the system), and choose whether you want the timezone to be set automatically or manually (All times, including task due dates and times, will follow your selected timezone in your profile.)
- In Notification Settings, you can choose whether you want to receive web or mobile app notifications, and also set a default reminder for all tasks. (You can remove this default reminder later for any individual task if you don't need it.)

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<ul> <li>Varieties</li> <li>Catalogues</li> </ul>		Tasks You can see and r	nanage tasks here				Account Pilot heidari.m84@gmail.com		Tasks
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		Talk about new Watermelon		maciej-seedsoft	5	Blue ribbon C	Email notifications	• •
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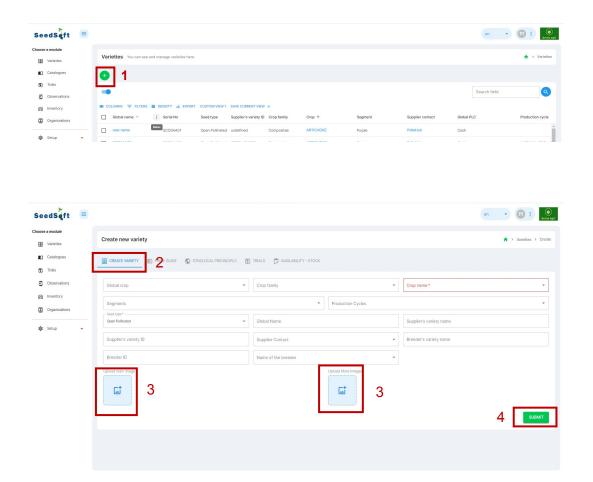
Version: 1.5 from 28.04.2025

## **Varieties Module**

This module provides the space to store, maintain, and report on all varietal information.

- 1. On the Varieties page, click on "Add Variety."
- 2. On this page, enter/select details of your variety, such as crop name, crop family, global crop, etc. (Fields highlighted in red are mandatory).
- 3. You can then upload images for the variety cover
- 4. Finally submit the variety information

Now your variety is saved, and you can see it in the varieties list.



By clicking on a variety global name, a page will open that includes five sections:

- Description
- Price guide
- GTM/Local pricing/PLC
- Trials
- Observations
- <u>Availability stock</u>
- <u>Assets</u>

### **Description:**

1. The first section provides an overview of the variety.

Update: You can use zoom in/zoom out tools and download images within a variety.

- 2. The second part contains custom fields fully customizable by SeedSoft client.
- 3. The last section includes traits that are crop specific. Typical example could be a Watermelon trait called: 'Seedless?' with the options: 'seeded, seedless, edible seeds'.

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Catalogues					🕈 > Varieties > Details
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By clicking the edit button on the right side, you can edit details (values) of that section.

## **Price Guide:**

This section supports the collection of high-level pricing information per variety.

Using the add and edit buttons, you can add a new price guide or edit existing ones.

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8 Varieties	ARTICHOKE -	SVEC000064						↑ Varieties > Detail:
Catalogues	ARTICHORE -	376000004						Valieties / Details
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Setup 🗸		Additional cost	0		5.00	5.04		
		costs			5.00	-	0.00	
		Wholeseller	Ex-works		5.00	5.04	300.00 %	
		Distributor	Ex-works	EUR	20.00	20.17	-50.00 %	
		Recommended	farmgate	EUR	10.00	10.08		

## **GTM/Local Pricing/PLC**

This section is used to store and manage the 'geographical' PLC. This means that instead of having one PLC for the whole world you can indicate the life cycle much in more detail. For instance a product is already commercial globally, but still in Development in France.

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S Varieties	ARTICHOKE - SVEG000064	♠ > Varieties > Details
Catalogues		Vaneties / Details
Trials	🖹 DESCRIPTION 🔄 PRICE GUIDE 🚫 GTM/LOCAL PRICING/PLC 🕃 TRIALS 🖞 OBSERVATIONS 🕃 AVAILABILITY - STOCK 🗀 ASSETS	
Observations		
C Inventory	+ ADD RECORD	
Organizations	Country Hierarchy Local PLC date Local PLC Remarks Actions	
DAM Beta	Algeria 2025-01-09 Development year 2 Sample Text	
🕸 Setup 🗸		
		Total Rows: 1

## Trials

In this section, you can view trials of that specific variety conducted in different geographies, along with all other trial properties (please refer to the <u>trial module section</u> for details).

Update: Trial type and status colors are now customizable by the admin in the "Options" module.

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8 Varieties			CHOKE - S	VEG0000	74						> Varieties > Details
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Setup	v	276		Vegetables	Cucurbitaceae	ARTICHOKE	Algeria	World	2022-12-17	DEVELOPMENT	SEEDS RECEIVED
es Setup		603		Vegetables	Cucurbitaceae	ARTICHOKE	Iran	World, Asia, Middle East	2023-12-20		PLANNED
		655	New Trial	Vegetables	Cucurbitaceae	ARTICHOKE	Switzerland	World, Europe	2024-09-23	SCREENING	ONGOING
		4				_				Rows per page: 50 -	1-3 of 3 < >
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#### **Observations**

Each variety might include one or several trials and observations for those trials. You can see the observation list for that trial(s) in this tab.

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Varieties     Catalogues			KE - SVEG0000	74							↑ > Varietie:	s > Details
<ul> <li>Catalogues</li> <li>Trials</li> </ul>		DESCRIPTION	9: PRICE GUIDE	G GTM/LOC/	AL PRICING/PLC	🕽 TRIALS 🛃 OB	SERVATIONS	VAILABILITY - STOCK	ASSETS			
<ul> <li>Observations</li> <li>Inventory</li> </ul>											BETA	CHARTS
Organizations		III COLUMNS \Xi Trial	FILTERS DENSITY	Trial country	STOM VIEW 1 SAVE C		Trial status	Trial crop	Trial plantingDate	Trial sowingDate	Trial resultDate	Trial internal
DAM	Beta	276	2022-12-17	Algeria	-	Development	Seeds received	ARTICHOKE	2022-11-04	2022-11-29	2022-12-27	new-done g
igi Setup	Ŷ											
		4									50	
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## **Availability stock**

This section gives information on future availability of the sample seeds at breeder/supplier level as well as current sample seeds stock levels in various warehouses.

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Varieties     Catalogues		ARTICHOKE - SVEG000074	n > Varieties > Details
Trials		🕒 DESCRIPTION 🔄 PRICE GUIDE 🔇 GTM/LOCAL PRICINGIPLC 🗊 TRIALS 🛛 OBSERVATIONS 🗊 AVAILABILITY - STOCK	ETS
Observations     Inventory		Seeds availability Edit availability details 🧭 Availab	ibility - Stock
Organizations		Availability status Date of availability update Expected change of status memory Wareho No production plan 2025-01-16 2025-01-31 Sample Text	ouse Switzerland 18 gr
	Beta	Ir-test t	test -2 gr
🕃 Setup	~		

#### Assets

All assets of the variety are displayed in this tab (If there is any), and you can manage them by assigning tags, editing data, or use editing tools for image assets (crop, rotate, etc).

#### Note:

- 1. Any new asset uploaded in this tab will receive the variety name as its relation
- 2. In addition to their current location, these assets are also available in the DAM.

SeedS¢ft 🔳				en 🔹 📵 i 🔰 união	•	
Choose a module           Image: Warieties	ARTICHOKE - SVEG00005	5		View and manage assets		
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<ul> <li>Organizations</li> <li>DAM</li> </ul>	<ul><li>All</li><li>Inbox</li></ul>	Name Tags	Relations SVEG000055	Last modified		
₿ Setup ∽	<ul><li>♦ Background :</li><li>♦ Catalogue :</li></ul>	ani-california-gCw	SVEG000055	2024-12-22		
	Fruit     Main Sachet Photo	The variety name is assigned to all assets in this tab	SVEG000055	2024-12-22		
	<ul> <li>♦ Plant</li> <li>♦ Sample Tag</li> <li>♦ SeedSoft Tag</li> </ul>	image-of-t	SVEG000055	2024-12-22		
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		And the second s				

#### Tasks

In this tab, you'll see any tasks related to the trial and can also add new tasks to the variety.

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S Varieties		SWISSCHARD - S	CH0AA22						🕈 > Va	rieties > Details
Catalogues		DESCRIPTION	PRICE GUIDE	GTM/LOCAL PRICING/PLC	🗊 TRIALS 🛛 OBS	SERVATIONS 🗗 AVAILABI	LITY - STOCK 🗖 ASSE S	E TASKS		
Dbservations			ERS 🗮 DENSITY d	D EXPORT CUSTOM VIEW 0 SAV	E CURRENT VIEW +		Show all tasks	Q Search		ADD TASK +
Inventory		Title	Assignee	Reporter	Туре	Relation	Organization	Due Date/Time	Status	Actions
<ul> <li>Organizations</li> <li>Digital assets</li> </ul>		remind me	maciej-seedsoft	maciej-seedsoft	Data update	SCH0AA22		11/04/2025 10:17	(To Do)	/ 0
<ul> <li>Digital assets</li> <li>Tasks</li> </ul>	BETA	Sample task	pilot	pilot		SCH0AA22			(To Do	/ 0
§ Settings	v	4								

## **Catalogue Module**

In this section, create a catalogue of varieties. You'll also have the option to download the catalogue.

SeedS 🤹 ft 📃						en 🔹 🕑 i 🏅
Choose a module	Catalogues Here is a list of your catalogues					☆ Catalogues
Catalogues	CATALOGUES CATALOGUES		Add n -	ew catalogue and to		OGUE CREATE TEMPLATE -
진 Observations	Name Click to see the catalogue	e details	Preferred date	Geography	Access type Description	Owner
Organizations	Test QC Maryam	29-10-2024	30-10-2024 05-09-2024	Central African Republic	Internal/external Maciej_CF newmammad	my my
Setup ^	catalogue-s	29-10-2024	28-10-2024	Middle East		my
<ul> <li>Geographies</li> <li>Crops</li> </ul>	a s-catalogues sajjad catalogues	28-10-2024	29-09-2024	Middle East	one catalogue	my create by sajji my
Currencies Custom fields	bxvcbvxc Cucumber and Eggplant	28-10-2024 24-10-2024	28-10-2024	Middle East West Africa		my
Market Marehouses	Test locale	15-10-2024	31-08-2024	Middle East		my
<b>왕</b> , Users ≔ Options	NCat CAATA	26-08-2024	23-02-2024		With Desc	MI

edSett 🔳				er	• • •
se a module Varieties	sample of catalogue				↑ Catalogues > Details
] Catalogues	General			Dow	nload PDF file
Diservations	Name sample of catalogue	Title Tiriyo	Preferred date 06-12-2021	Description Beans and Peas	Edit general , info
Inventory	Owner Ashwini edit kjikj	Geography	Access type	Brand -	
Organizations	Cover template	Crop template	Variety template	Separator	
Setup Y	Additional attributes				~
	View and edit varieties				
	Current varieties				
				Search field	٩
		EXPORT CUSTOM VIEW 1 SAVE CURRENT	VIEW +		
	Global name Serial No	Seed type Out refer	ence Breeder name Breeder ID Su	upplier's variety n Supplier's variety ID Global crop	Crop family Crop
	SLEOAA81 SLEOAA81	Open Pollinated 337	247	Barbaros Vegetables	Leguminosae BEANS

#### Creation of a new catalogue:

To create a new catalogue, press the "add new catalogue" button. At top section, you should fill out the fields of basic information:

- Name
- Title

- Date
- Description
- Access type
- Brand: Brands are defined in by admin
- Cover template: Here you can select from the cover templates you previously created.
- Variety template: Here you can select from the variety templates you previously created
- Crop template: Here you can select from the crop templates you previously created. The "separator" check-box needs to be ticked for this template to be used. In this case whenever varieties from a new crop are shown in the catalogue, the crop page will also be introduced.

iseft 🔳											en 👻	
nodule	Create new catalogu	e									♠ > Catale	ogues > Create
atalogues	Catalogue name *			Title			Preferred date		ë	Geography *		
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ventory rganizations	Crop template		✓ Separator				Cover template			valiety template		
tup ^ Access policy Geographies	Description B I ∓ H2 등 ■	11 () IC (4		The "separa crop and va different pag	riety info							
Currencies Custom fields												SUBMIT
Currencies Custom fields Market	Current varieties											SUBMIT
Currencies Custom fields Market Warehouses Users											Search field	
Currencies Custom fields Market Warehouses Users		E DENSTY 🕁 EXPORT Serial No	T CUSTOM VIEW 1 S. Seed type	NE CURRENT VIEW + Out reference Breeder name	Breeder ID	Supplier's variety n	Supplier's variety ID Global	crop Crop family	Сгор	Segment	Search field Name of the breeder	
Currencies Custom fields Market Warehouses Users	III COLUMNS 😴 FILTERS				Breeder ID	Supplier's variety n	Supplier's variety ID Global 555 Vegeta		Crop	Segment		
Crops Currencies Custom fields Market Warehouses Users Options	III COLUMNS 🗢 FILTERS	Serial No	Seed type	Out reference Breeder name	Breeder ID	Supplier's variety n_		bles Cucurbitaceae		Segment		Supplier
Currencies Custom fields Market Warehouses Users	III COLLMNIS 🐺 FILTERS Global name SCOOAA75	Serial No SCODAA75	Seed type Open Pollinated	Out reference Breeder name 518,069	Breeder ID	Supplier's variety n	555 Vegeta Ball_/_Greek Vegeta	bles Cucurbitaceae	ARTICHOKE	Segment French - green podd	Name of the breeder	Supplier Agr

You will then see a new page where you can edit catalogue information, add add varieties or generate the PDF.

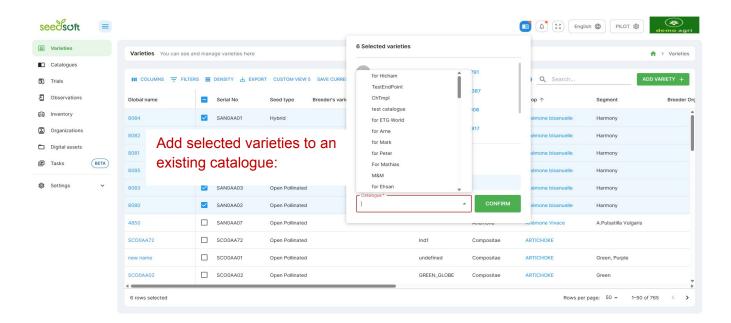
#### Add varieties to a catalogue:

There are two methods for adding varieties to a catalogue:

- Click on "add variety to this catalogue" button. When the variety table opens, you can select as many as varieties needed (if you don't see any varieties, you may need to switch off the visible PLC). By clicking on the "add button" the selected varieties will be added to the catalogue.
- In the varieties table, you can select as many varieties as needed. Then, in the top bar (Ctalogue icon), you can view the selected varieties and add them to either an existing catalogue or a new catalogue.

seedsoft				Selected	items are listed in profile	Englis	h  PILOT  Hemo agri
S Varieties		Varieties You can see an	nd manage varieties here		4 Selected varieties		♠ > Varieties
Catalogues Trials Observations				RT CUSTOM VIEW 5 SAVE CURRE	An Anémone Vivace-SANOAA07-RH722743 An Anémone bisanuelle-SANOAA03-RH242809	Q Search	ADD VARIETY +
Inventory     Organizations		Global name 8084 8082	Serial No     SAN0AA01     SAN0AA06	Seed type Breeder's varie Hybrid Open Pollinated	An Anémone bisanuelle-SAN0AA02-RH781893 AR ARTICHOKE-SC00AA72-RH334806	op ↑ iémone bisanuelle	Segment Breeder Orc
<ul> <li>Digital assets</li> <li>Tasks</li> </ul>	BETA	8081	SANDAA05     SANDAA05     SANDAA04	Open Pollinated	Add varieties to <ul> <li>A new catalogue</li> </ul>	iémone bisanuelle	Harmony
🕸 Settings	~	8083 8080	SANDAAD3	Open Pollinated	An existing catalogue  Catalogue name *  CREATE	iémone bisanuelle	Harmony
		4850 SCO0AA72	SAN0AA07 SCO0AA72	Open Pollinated	Ind1 Compositae	Anémone Vivace	A.Pulsatilla Vulgaris
		new name SCO0AA02	SCODAA01	Open Pollinated	undefined Compositae GREEN_GLOBE Compositae	ARTICHOKE	Green, Purple Green
		4 rows selected				Rows per	▶ page: 50   1–50 of 765   >

seedsoft								English	PILOT 🕸	Jemo agri
<b>8</b> Varieties		Varieties You can see a	nd manage varieties here		6 Selected varieties				<b>^</b>	> Varieties
Catalogues	BETA	Global name           8084           8082           8081	RS = DENSITY  EXPO	AT CUSTOM VIEW 5 SAVE CURRE Seed type Breeder's varie Hybrid Open Pollinated Arrieties to	An Anémone bisanue An Anémone bisanue	IIe-SANQAAQ1-RH75 IIe-SANQAAQ6-RH7( IIe-SANQAAQ5-RH11 IIe-SANQAAQ4-RH9	05387	Q Search op ↑ Idmone bisanuelle Idmone bisanuelle	LADD V Segment Harmony Harmony	ARIETY + Breeder Org
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#### **Templates:**

In the "Templates" tab, you can view, edit, and delete templates.

SeedS 🕻 🔳						en 🔹 🖻 🗄 🗞
Choose a module	Catalogues Here is a list o	f your catalogues				↑ > Catalogues
Catalogues						CREATE CATALOGUE CREATE TEMPLATE +
Dobservations	Label	Type	Description	created by	Actions	
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該 Setup         へ           G Access policy	Brand demo-agro	Cover		pilot	/ 0	
<ul> <li>Geographies</li> <li>Crops</li> </ul>	cover-4 Mehdi	Cover Variety	This is my template	pilot		
③ Currencies	template-4 MyTemplatevARIETY	Crop Variety	tHIS DESC	pilot		
<ul><li>Custom fields</li><li>Market</li></ul>	crop-5	Crop	new crop with number 5.0.0	pilot	/ 0	
교 Warehouses 왕, Users	variety-1 CheckTrait	Variety Variety	save variety number 1.0.0	pilot pilot	/ 0	
i≡ Options						•

### Creation of a new template:

By clicking on "Create Template," you will see three options:

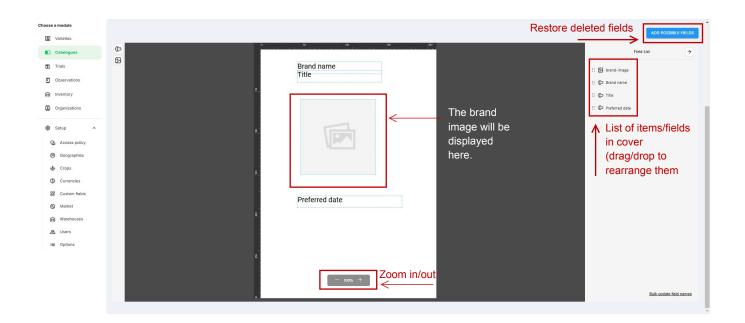
- Cover
- Variety
- Crop

SeedS 🕻 🔳							en	• 🕑 :
Choose a module	Catalogues Here is	a list of your catalogues						↑ Catalogues
Catalogues		] TEMPLATES					CREATE CATALOGUE	CREATE TEMPLATE
<ul><li>Dbservations</li><li>inventory</li></ul>	III COLUMNS \Xi FILTER	S <b>DENSITY SEPORT</b>	Updated on	Preferred date	Geography	Access type	Description	Cover Variety Crop
Organizations	Test QC Maryam		30-10-2024 29-10-2024	30-10-2024 05-09-2024	Central African Repul Middle East	blic Internal/external Maciej_CF	newmammad	my my
Setup ^ Access policy	catalogue-s		29-10-2024	28-10-2024	Middle East			my
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<ul> <li>Currencies</li> <li>Custom fields</li> </ul>	bxvcbvxc Cucumber and Eggplant		28-10-2024 24-10-2024	28-10-2024 10-12-2021	Middle East West Africa			my
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요. Users Ⅲ Options	zczc NCat	ZXCZXC	10-10-2024 26-08-2024	10-10-2024 23-02-2024			With Desc	my M I

To create a cover template, click on "Cover," and you will be directed to the creation page. In the top section, you should enter the label and description. (This section is same in all three options cover/variety/crop)

SeedS 🤹 ft 📃		en PI:
Choose a module	Create new template	A > Catalogue → Create template
Catalogues	Create new pdf	SUBMIT
Observations	Template label *	
Inventory     Organizations	Description B $I \neq H2 \equiv \exists \forall \land \models \bigcirc$	
Setup ^		

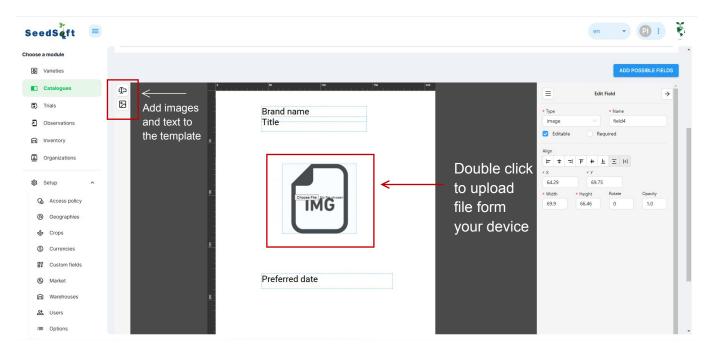
In the second section, at first view, you'll see the main page, and the items/fields on it will be displayed in the right column: Here, you can view a list of all items on the cover and use drag-and-drop to rearrange them.



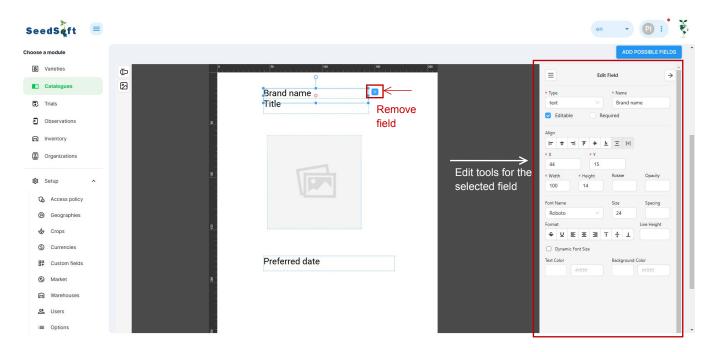
In order to help position fields on the template you can also 'pull' guidelines from the side or top of the page:

	Serial No: Ilk; Out reference: Variety seed type:
8	Crop name: Crop family: Latest plc date: Latest plc display:
Segment: unique_selling_points (USP):	
Production cycle:	

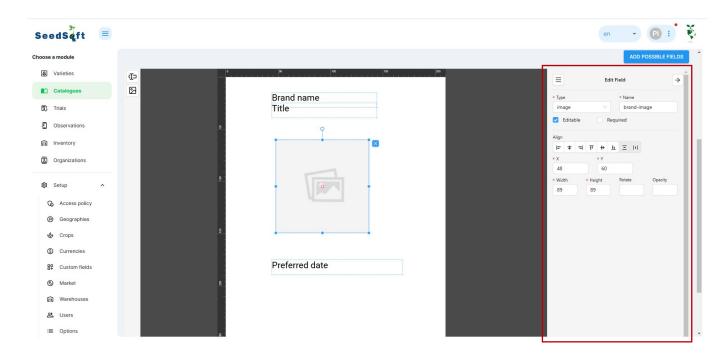
To add images and text to the page, use the buttons at the top left:



When you click on a field, you'll have access to various tools to add, remove, and edit them, allowing you to customize the appearance of the cover.



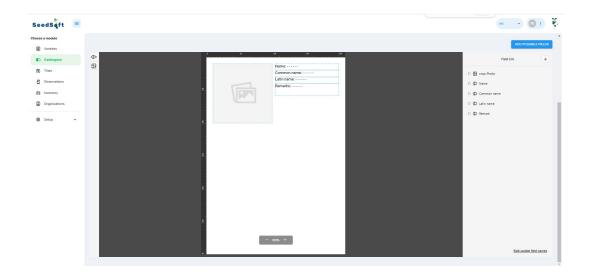
If the field is an image, the edit tools will include:



To create a template for varieties of the catalogue, click on "variety," and you will be directed to the creation page. By selecting this template when creating a catalogue, all varieties in the catalogue will utilize this template.

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hip •		Crop family:	
Access policy		Latest plc date:	11 🗘 Crop name
Carozrischina		Latest plc display:	ii 🗘 Crop family
	Global name:		11 (D Latest pic date
Crops			11 🗘 Latest pic display
Currencies	Supplier contact:	Supplier contact id:	11 ⊈⊃ Global name
Custom fields	Breeder's variety name:	Breeder's variety ID:	ii 🗘 Variety supplier name
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	R create_date	Maryam	11 (D) Name of the breeder
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	Dynamic trait. New date	MyField134	ii d⊅ ToTesPer

To create a template for crops of the catalogue, click on "crop," and you will be directed to the creation page. By selecting this template when creating a catalogue, all crops in the catalogue will utilize this template.



## **Trials Module**

The trials module is used to create, track and edit information about trials.

In particular a user can plan the trial including all the relevant details - location, responsible trial officer, trial protocol, varieties in the trial, sowing, planting, results and observation dates.

Explanation of some of the fixed fields of a trial:

- External coordinator name: If an external coordinator is a user in the system, they will gain access to this trial. Additionally, if 'Shared with Organization' is clicked, all people within the external coordinator's organization will also gain access to the trial.
- Protocol allows the user to choose which protocol (from the ones available for the crop) will be used to assess this trial.

Additionally – as for any other module in the system, a SeedSoft client can choose to add custom fields to the trials.

**Update**: With the provided color palette, the colors for trial status, trial type, and PLC status can be customized (Admins can select colors in the options module).

eedSeft =							en 🔻	P :
ose a module  Varieties Catalogues	Trials You can see and manage T Create a							n ↔ Trial
<ul> <li>Trials</li> <li>Observations</li> </ul>							Search field	Q
Inventory     Organizations	HI COLUMNS T FILTERS DEN Hierarchy IDENTICAL	Date	M VIEW 1 SAVE CURDENT VIEW Trial type IDENTICAL SCREENING	Trial status	Trait protocol	Internal coordinator	External coordinator	Manager
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	World World, Europe	21-05-2024 23-09-2024	SCREENING	PLANNED	default	E Telusem / Tellus Mater-, O -	<ul> <li>Agr-Ahm Maw</li> <li>-</li> </ul>	Jason Sun-J
	World, Asia, Middle East	28-07-2023	DEVELOPMENT	PLANNED	default	E Telusem / Tellus Mater Telusem / Tellus Mater		-
						Ro	ws per page: 50 👻 1–5	50 of 346 < >

## Creation of a new trial:

To create a new trial, press the "add new trial" button.

- On this page, you should submit the basic details of a trial such as region, crop name, trial type, dates, protocol, trial status, responsible people, sowing & planting info, remarks, requirements, etc.
- As soon as you select the crop name, the protocol drop-down list will be updated, allowing you to choose from the protocols specific to that crop. Once the protocol is selected for a trial, it cannot be changed in further edits.
- Afterward, the user can specify the location on a map, upload the trial protocol, trial report, and trial images.

SeedSeft 🔳		en 💽 🕄 🍹
Choose a module	Create new trial	♠ > Trisis > Create
Varieties		
Catalogues	Recent Activities	Fill out mandatory fields
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Ciganizations	Date	Crop name*     Protocol*     V
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82 Custom fields		<ul> <li>Organization access to view the that by checking this box.</li> </ul>
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진 Observations		Upload images,
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Setup v		
		Submit the new trial

#### **Trial Details:**

Inside the trial page, you can see more detailed information about the trial in the description tab and also observations.

New:'Assets' tab has been added, allowing you to easily access and manage the assets associated with the trial.

eedSeft			View and edit tr	ial details in this page	en 🔹 🕑 🗄	Teluse
Varieties						
Catalogues		683 - Algeria TOMATO INL	DETERMINATE (Golden Field selection)			Trials > Details
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a Inventory			TIONS 🛅 ASSETS			DUPLICATE TRIAL
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Setup	~	Protocol	Manager	Internal Coordinator		
		default				
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		Ramdani (Ms) Nesrine	01-01-2025	30-04-2025	Siêu Thị Mẹ Bầu 8 Em Bé Con Cưng	-
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#### **Trial Varieties:**

After creating the trial, you will be directed to the trial details page (description). At the bottom of the page, you can add and manage **varieties and third-party varieties** for the trial.

By clicking on "Add Variety" you can select varieties from the list (If you don't see any varieties, you may need to switch off the visible PLC). By clicking the "Add" button for the second time, the selected varieties will be added to the trial.

edSeft =	Distribute	or led trial to demo c 🚥					en	
Varieties	Addition	al attributes						^
Catalogues								
Trials	Soil type		info		Use in demo		Ecology	•
Observations	Loam soi	I, Silty soil	16/05/2024		Yes, use in	demo	Open Field, Net protection	
Inventory	Harvest da 31/10/20							
Organizations							+ ADD VARIETY +	ADD 3RD PARTY VARIETY
Setup 🗸		Order Variety	Serial No	Alias name	Volume of seeds Uni	t Variety result	Warehouse R	emarks
	~	2 Blue ribbon	SCU0AA54	Fiction1	15.00 gr	Negative	Warehouse Jordan	^
	~	3 Southern sun	SCU0AB02		15.00 gr		Warehouse Mauritius	
	~	3 Coronation	SCU0AC40	New name	15.00 gr	Non-conclusive	Warehouse Hungary	
	~	5 Another benchmark			15.00 gr			
	~	6 Crimson Sweet	SCU0AA52		12.00 ks		Warehouse France	
	4							÷

nodule	Select some varieti	es to add		Sele this t		dd variet	ties fr	om		×
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oservations	Global name	Serial No	Seed type	Out reference	Supplier's variety n	Supplier's variety ID	Global crop	Crop family	Crop	Segment
rentory	SCU0AC47	SCU0AC47	Hybrid	435,577		AW_1722	Vegetables	Cucurbitaceae	WATERMELON	Charleston Gr
ganizations	SCUDAC50	SCU0AC50	Hybrid	147,294		null	Vegetables	Cucurbitaceae	WATERMELON	Grey bell roun
tup 🗸	SCUDAB99	SCU0AB99	Hybrid	736,874		ROYAL_FANTASY_F1	Vegetables	Cucurbitaceae	WATERMELON	Crimson swee
	SCU0AC19	SCU0AC19	Hybrid	830,876		TLW_2218	Vegetables	Cucurbitaceae	WATERMELON	Sugar baby ro
	SCU0AC21	SCU0AC21	Hybrid	572,118		TLW_2295	Vegetables	Cucurbitaceae	WATERMELON	Jubilee type
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		Thi	s is the	table of	existing	varieties	in th	e trial		
	Order Vari	ety Ser	ial No Al	ias name	Volume of seeds	Unit Variet	y result	Warehou	se Re	marks
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🕸 Setu	up	~		SCUOAC47	SCU0AC47	Hybrid	435,577		AW_1722	Vegetables	Cucurbitaceae	WATERMELON	Charleston Gn
				SCUOAC50	SCU0AC50	Hybrid	147,294		null	Vegetables	Cucurbitaceae	WATERMELON	Grey bell roun
				SCU0AB99	SCU0AB99	Hybrid	736,874		ROYAL_FANTASY_F1	Vegetables	Cucurbitaceae	WATERMELON	Crimson swee
				SCU0AC19	SCU0AC19	Hybrid	830,876		TLW_2218	Vegetables	Cucurbitaceae	WATERMELON	Sugar baby ro
				SCU0AC21	SCU0AC21	Hybrid	572,118		TLW_2295	Vegetables	Cucurbitaceae	WATERMELON	Jubilee type
			3 row	s selected								Rows per page: 50 👻	1-25 of 25 < >

For third-party varieties, after clicking on **"Add third\_party Variety"** you should fill out the form below, Including details such as the volume of seeds, order, variety name, variety result, warehouse, etc.

O Varieties	Special requirements Wo	rkflow status N <b>ed</b>	Trial report	
Catalogues	Trial protocols Par	narts		
Trials	Add 3rd party variety			×
집 Observations	Additional	Volume of seeds	gr 🗸 Availability - Stock	~
M Inventory	Variety name *		gi 👻 There is no	data
Organizations	+ ADD V Company	Variety result	•	
🕼 Setup 🗸 🖌	Warehouse	Status updated on 2024/07/25	Ē	Remarks
	· ·			
	B I ∓ H2 ⊟ ≡ 99 ↔ K5	a		
	~			
	SUBMIT			
	-			Rows per page: 50 + 1-4 of 4 < >

After submitting varieties, you can edit and manage them in the table. Double click on each field (Or click on edit button in actions) to change or add a warehouse, volume of seed, variety result, etc.

Varieties		Ramdar	ii (Ms) Nesrine			01-01-202	15		30-04-2025			Em Bé Con Cung 🌱	
		Sowing	Sale			General res	ut.		Phylosanitary requirements				
Catalogues		01-12-2	024										+
Frials		Workflow	v Status			Longitude 106.0000	100		Latitude 10.0000000		Google	Keyboard shortcuts Map data a20	L Large Report a net array
Observations		Trial rep	rt			Trial protoc			Bernark				
nventory		-				-			20,000sds were delivere	ed du 🚥			
Organizations													
MAG	(Bota)	Additi	onal attribute	IS .									ľ
	_											Archive	trial 🙀
Setup	ř		Order	Variety	Replication	Serial No	Alias name	Volume of seeds Unit	Variety result	Warehouse	Remark	variety	
		~	9	SS00AC67	1	SS00AC67		80.00 gr	Seeds delivered	Warehouse Greentime Ru	isic Seeds received in Dec 2024.	10-01-2025	0 / 0
		~	θ	SS00AC67	2	SSO0AC67		88.00 gr	Seeds delivered	Warehouse Hungary	Seeds received in Dec 2024.	10-01-2025	0/0
		~	θ	SS004C67	3	SSOOAC67		80.00 gr	>		Seeds received in Dec 2024.	10-01-2025	0/0
		~	θ	S500AC67	4	SS00AC67		Select the		Warehouse Mauritius 2 -	IC. Seeds received in Dec 2024.	10-01-2025	0/0
		~	9	SS00AC67	5	SSO0AC67		warehouse for	r the	Warehouse Saudi Arabia	Ta Seeds received in Dec 2024.	10-01-2025	0/0
		~	9	SSODAC67	6	SS00AC67		trial variety	i uic		Seeds received in Dec 2024.	10-01-2025	6/0
		~	θ	SSOOAC67	7	SSOOAC67		that vallety			Seeds received in Dec 2024.	10-01-2025	> ⊡
		~	θ	SS00AC67	8	SSOOAC67		80.00 gr	Seeds delivered		s Oli I		
		~	9	SS004C67	9	SSOOAC67		80.00 gr	Seeds delivered		s	n edit icon	
				SSO0AC67		SS00AC67		88.98 gr	Seeds delivered		double	click on t	ha fialde

Note: The varieties with no assigned warehouse are highlighted in light pink.

New: Custom fields are now viewable and editable in trial varieties and observation tables.

## **Replicate trial varieties:**

A variety in a trial can be "**Replicated**" with the same details and information, along with a specific replication number. The purpose of this feature is to allow for different versions of the same variety when the observation situation differ for each.

To add replications, you can easily click on the "Replication" button in the actions menu and specify the number of times you want the variety to be replicated. Finally, each replicated variety will be assigned a unique replication number, which will be displayed in the table.

P.S. Both replications and custom fields of a trial variety are visible in the observations data grid as well.

a module	Addition	al attributes		ew plication				Procify numb						
Varieties			nu	mber 🗸				Specify numbers of replications		3RD PART	Y VARIE	TY		
Catalogues		Order	Variety	Replication	Serial No	Alias name	Volume of seeds	Unit Variety res	ult Warehouse	A	ctions			
Trials Observations	~	0	SCU0AB05	3	SCU0AB05	Reep3	0.00	gr 1	CU0AB05 Replicate count	0	10	Ð		
Inventory	~	0	SCU0AB05	4	SCU0AB05	Reep4	0.00	gr	Warehouse China	6	/	Ð		
Organizations	~	0	SCU0AB05	5	SCU0AB05		0.00	gr	Warehouse China	Ū	/ 0	Ð		
MAC	~	θ	SCU0AB05	6	SCU0AB05		0.00	gr	Warehouse China	ē	1	Ð		
	~	0	SCU0AB05	1	SCU0AB05	Reep1	0.00	gr	Warehouse China	Ū	/ 0	Ð		
Setup 🗸	4													

## **Duplicate a trial:**

To create a trial with similar details to an existing one in the system, click on the "Duplicate Trial" button within the trial details page. This will copy the entire details of that trial, including the description and varieties (except for the varieties' warehouses and protocol). You can then change any details that might differ from the first trial after that. Note: Observations shouldn't be repeated from trial to trial; therefore, this information is not copied. Additionally we're also not repeating the warehouse selection in the trial as this would trigger immediate deduction of the seeds from the warehouse and we want to leave this decision to the user.

*				en 🔹 🕑 : 🔰 união agro+
Confirm duplication				dgiot
Are you sure you want to dupl the trial? Please note that you to select an observation proto that the warehouses won't be	"Il have 4 - Benin WATERMELC	DN (Trial title)		♠ > Trials > Details
selected - please do it after th duplication. The trial that will b				~
duplicated is: Benin WATERME				1
trial?		VATIONS 🗋 ASSETS		
е отданиданота	←			
🗖 DAM (Beta)	Name	Туре	Status	Location
	Trial title	Development	Ongoing	Max Octoblish
🐯 Setup 🗸	Protocol	Manager	Internal Coordinator	Map Satellite
	default		Ashw Bundhoo	
	External coordinator	Planting date	Result date	
	Ris J	2022-03-30	2022-07-30	
	Sowing date	General result	Phytosanitary requirements	
			-	+
	Workflow Status	Longitude	Latitude	-
	saved	7.5508640	47.6429557	Google Map Data Terms, Report a map error
	Trial report	Trial protocols	Remark	
	-	٩	Summer trial of short listed v. ***	
	Additional attributes			~

Benin WATERMELON trial Dup	plicated successfully ×	The suffix "duplicate" v	will be	en 🔹 🕑 : 🔰 união agro+
<ul><li>Varieties</li><li>Catalogues</li></ul>	763 - Benin WATERMELON (Trial title (Duplicate)	added to the trial name	9	♠ > Trials > Details
Trials     Observations     Inventory	Recent Activities			UPLICATE TRIAL
Drganizations       DAM       Bata       \$2       Setup	Ris J         Diotocol are not displayed in mobile app         oz           Sowing date         am         -           -         -         -           Workflow Status         Long         53	nting date 22-03-30 neral result s08640 Al protocols	Status Ongoing Internal Coordinator Ashw Bundhoo Result date 2022-07-30 Phytosanitary requirements - Lathude 47.8429557 Remark	Location Map Satellite [] & Concellent () Concellent () Map Data Terme, Report a map error
			Summer trial of short listed v. ***	~

	Order	Variety	Replication	Serial No	Alias name	Volume of seeds	Unit	Variety result	Warehouse	Actions
~	0	SSOOAC67	6	SSO0AC67		80.00	gr	Seeds delivered		
~	0	SSO0AC67	7	SSO0AC67		80.00	gr	Seeds delivered		
~	0	SSO0AC67	8	SSO0AC67		80.00	gr	Seeds delivered		< 0 / 0
~	0	SSO0AC67	9	SSO0AC67		80.00	gr	Seeds delivered		Warehouses will
~	0	SSOOAC67	10	SSO0AC67		80.00	gr	Seeds delivered		be copied to the
~	0	SSO0AC67	11	SSO0AC67		80.00	gr	Seeds delivered		duplicated trial
-										

#### Tasks:

In this tab, you'll see any tasks related to the trial and can also add new tasks to the trial.

seedsoft								La Catalant (Catalant Catalant Catalan	PILOT 🕸	demo	o agri
Varieties		498 - Egypt WATERME	LON (Demo Trial Luxor)						<b>n</b> > 1	Trials > De	rtails
Catalogues		Recent activity									~
Observations			OBSERVATIONS 🗋 AS	SSETS					DUP	LICATE TRIAL	
Inventory     Organizations			RS 🗮 DENSITY 🛃 EXPOR	RT CUSTOM VIEW 0 SAVE 0	CURRENT VIEW +		Show all tasks	Q Search	_	ADD TASK	+
Digital assets		Title	Assignee	Reporter	Туре	Relation	Organization	Due Date/Time	Status	Actio	ons
E Tasks	BETA	Visit before harvest	mark	maciej-seedsoft		498 - Demo Trial Luxor	CropCircle	23/04/2025 08:00	(To Do	ľ	Ō
🔯 Settings	~	test	pilot	pilot		498 - Demo Trial Luxor			(To Do	ľ	Ô
		sample task	pilot	pilot		498 - Demo Trial Luxor			(To Do	ı	ō

## **Observations Module**

This section of the app gives the user access to all observation data (and photos) collected. As comparing different crops doesn't

make sense, the user is obliged to select one crop. As soon as done, all observations done with this crop will be displayed and further filtering is then possible.

SeedSeft 🗏										en 🔹	<b>P</b> :	união agro+
Choose a module Varieties	Obse	rvations You can	see and manage Obse	ervations here.							<b>n</b> > 0	Dbservations
Catalogues	<u></u> ов	Filter glob	al crop and	crop to see	related ob	servations						
Observations     Inventory     Organizations	III COLU	MNS 〒 FILTERS I	DENSITY 🕁 EXPO	ORT CUSTOM VIEW 2 Out reference	SAVE CURRENT VIEW	+ Global PLC date	test trait (cm)	High resistance (HR)	WEIGHT GR min	Sig1	WEIGHT	GR max
DAM	24 24	David123 David123	SSO0AA95 SSO0AA96	240720 264281	Dev 1y Dev 1y		17.1, 39.4, 78.2 ···· 44.7, 6.7, 58, 21.4	-	poetic poorwill	S2V2 S1V1	SSOOAA	196 - WEIG
K∰a Setup ∽	24 24	David123 David123	SSO0AA98 SSO0AB55	843625 628878	Dev 1y Screening		Assets atta observation		10	S1V1	SSOOAE	98 - WEIG
	24 24	David123 pilot	SSO0AC45 SSO0AA92	353020 788784	Recorded Dev 1y		42.2, 63.7, 41			S1V1		ationyuhh II
	24 24	pilot pilot	SSO0AA95 SSO0AA96	240720 264281	Dev 1y Dev 1y		25.6, 8.6 48.1, 16, 26.3	- Beet curly top	tempered empurpled	S2V2 S3V3	Mandae pickup	anism
	24	pilot	SSO0AA98	843625	Dev 1y		89.2, 87.8		Muenster	S3V3	approac	h

SeedS 🤹 ft 📃													
hoose a module	Observations You can see	and	SeedS 🤹 ft 📃									en 🔹	D I) 🕴
Varieties			Choose a module	Observation	S You can see and m	anage Observations I	nere.						Observations
Catalogues		Select	Varieties										
Trials	E V	global crop	Catalogues	Ŧ									
5 Obse	Vegetables 👻	and crop to	Observations			C 🛓 EXPORT CUS	TOM VIEW 2 SAVE CUP						
Crop:	Crop	view the	a Inventory	Trial	Trial date	Trial country	Trial country hierar.	_ Trial type	Trial status	Trial crop	Trial plantingDate Trial sowingDate	Trial resultDate	Trial internalCc
Contraction Inven	SWISSCHARD	observation	Drganizations	224	01-06-2022	Egypt		Development	Ongoing	WATERMELON	30-03-2022	30-07-2022	Bancella-Asl
Organizations	test_comp			224	01-06-2022	Egypt		Development	Ongoing	WATERMELON	30-03-2022	30-07-2022	Bancella-Asi
	TestCrop	list (of that	Setup v	46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te
🕼 Setup 👻	TETRAGONIA	crop)		46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te
	TOMATO DETERMINATE			46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te
	TOMATO INDETERMINATE	$\rightarrow$	•	46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te
	WATERMELON			46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te
	WHITE CABBAGE			46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te
	WINTER RADISH			46	28-01-2023	Egypt		Screening	Ongoing	WATERMELON	07-12-2022	01-05-2022	Telusem / Te 🗸
	WINTER SQUASH			4							Rows per pag	e: 50 <del>v</del> 1-50 of	62 < >

#### View and download assets:

By clicking on the "Media" Button you can view and download all assets related to the variety of an observation.

🗋 Catalogues		DBSERVATIONS											
Trials				Media			×						
Observations	Ŧ												
Inventory	шсо	LUMNS 🛨 FILTERS		Images									
) Organizations	at	Updated by	Variety	seedMedia-1729944			Ł	nce (HR)	WEIGHT GR min	Slg1	W	/EIGHT GR max	
DAM	24	David123	SSODAAS	<ul> <li>seedMedia-17302733</li> <li>seedMedia-17302733</li> </ul>			ٹ خ		poetic	S2V2	st	tick	
	24	David123	SSODAAS		51 0040 (pg				poorwill	S1V1	S:	SOOAA96 - WEIG	
Setup 🗸	24	David123	SSODAAS	Videos					mamey	S1V1	S	SOOAA98 - WEIG	
	24	David123	SSO0AB5	seedMedia-17302733	387232.mp4	Þ	٤		SSO0AB55 - WEIG	SIVI	S:	SOOAB55 - WEIG	EIG
	24	David123	SSO0AC4	Audios				<	Neel			implificationyuhh	
	24	pilot	SSODAA92	788784	Dev 1y	42.2, 63.7, 41	-	•	webbing	\$3¥3	m	himeograph	
	24	pilot		240720	Dev 1y	25.6. 8.6			tempered	\$2V2	M	landaeanism	

## **Observation Charts: (Beta Version)**

Use various numerical inputs within the observations table to generate a chart for further analysis of your data.

SeedS 🤹 ft 🔳									en	• 🕑 :	união agro+
Choose a module	Observation	ns You can see and r	nanage Observations	here.						• •	Observations
Catalogues	OBSERVATIO	ONS									
<ul> <li>Trials</li> <li>Observations</li> </ul>			TY . L EXPORT OU	ISTOM VIEW 1 SAVE CUF						(BETA)	CHARTS
Inventory     Organizations	Trial	Trial date	Trial country	Trial country hierar.		Trial status	Trial crop	Trial plantingDate	Trial sowingDate	Trial resultDate	Trial internal
D DAM	224	2022-06-01	Egypt		Development	Ongoing	WATERMELON	2022-03-30	-	2022-07-30	Bancella
鑗 Setup 🗸 🗸	224	2022-06-01	Egypt		Development	Ongoing	WATERMELON	2022-03-30	·.	2022-07-30	Bancella
	224	2022-06-01	Egypt	-	Development	Ongoing	WATERMELON	2022-03-30	-	2022-07-30	Bancella
	224	2022-06-01 2022-06-01	Egypt	-	Development Development	Ongoing Ongoing	WATERMELON	2022-03-30	-	2022-07-30	Bancella Bancella
	224	2022-06-01	Egypt	-	Development	Ongoing	WATERMELON	2022-03-30		2022-07-30	Bancella
		-	-	-	-	-	÷	-	-	-	•
									Rows per page: 100	0 👻 1-403 of 403	

There are two types of charts in observation table:

1. **Bar Chart:** Use one or several numerical data against a meaningful comparable criterion to view data on bar chart.

Varieties	Observati	ONS You can see and m	anage Observati	ons here.				ing current table data		d be non		V
Catalogues	B OBSERVA	TIONS				[	Chart Bar Column series	tichoke) (cm) 🛞 1 t	X Axis column — Trial crop		(mm) @	×
Observations		\Xi FILTERS 🔳 DENSI			es (Y axis) s can include	should	test decima	al (gr) 🛞 sps_test_r	numerical (m) 🛞 Co	lumn series	andle this situation (o	cm)
Organizations	Trial	Trial date	multipl	e selectio	ns (Each wil	l have	<sup>35</sup> - te	est decimal (gr)	sps_test_numeric	al (m)		
DAM	559	2023-08-17	a spec	ified color	r on the char	t.)	30-					
	559	2023-08-17					25-					
Setup 🗸	559	2023-08-17	Algeria	-	Screening	Seeds receiv	25-					
	559	2023-08-17	Algeria	-	Screening	Seeds receiv	20-					
	559	2023-08-17	Algeria	-	Screening	Seeds receiv	15-					
	559	2023-08-17	Algeria	-	Screening	Seeds receiv						
	559	2023-08-17	Algeria	-	Screening	Seeds receiv	10-					

2. Scatter Chart: Use one numerical data against a meaningful comparable criterion to view data on scatter chart.

ose a module Varieties		Observations	S You can see and ma	anage Observation	s here.			Charts	Usin are n	numer		J	$\rightarrow$	
Catalogues		B OBSERVATION	NS		Compare of be non_nu		hould	Chart	column		: Axis column Sugar content Brix (cm	) •	- Y Axis column — Fruit weight (kg)	
Observations		T COLUMNS T		는 EXPORT C	USTOM VIEW 1 SAVE CURP	RENT VIEW +	$\rightarrow$	20	SCU0AB07	TirPar	SCU0AB05	SCU0AB06	SCU0AB03	SCUOAB
Drganizations		Trial 224	Trial date 2022-06-01	Trial country Egypt	Trial country hierar	Trial type Development	Trial status Ongoing	18-						
3 Setup	¥	224 224	2022-06-01	Egypt	-	Development Development	Ongoing Ongoing	14-	•	•	4			
		224	2022-06-01	Egypt	•	Development	Ongoing	10- 8-	•		• SCUOABO6	(10.08, 9.56	)	
		224	2022-06-01	Egypt	-	Development	Ongoing	6-			•	•		
		224	2022-06-01	Egypt	-	Development	Ongoing	2-	•		•			

**Note: The charts are connected to the observation table**, and by applying filters, groupings, or aggregations, the charts dynamically respond and mirror the data from the observation table in real time.

For example as soon as a particular variety is selected in the table, the chart data will adjust to display information relevant to that variety.

ieedSeft 🔳	en 🔻 🔃 :	unid agra
oose a module	Observations You can see and manage Observations here.	>
Catalogues	Compare column	•
Diservations		Ŧ
Inventory     Organizations	III COLUMNS     FILTERS     DENSITY     J. EXPORT     CUSTOM VIEW 1     SAVE CURRENT VIEW +     NUS       Columns     Operator     Value     untry hierar     Trial type     Trial status       X     Variety     - contains     - sun	
DAM	+ ADD FILTER  REMOVE ALL Filters and aggregations affect aggregations affect	
	224         2022-06-01         Egypt         -         the chart data           224         2022-06-01         Egypt         -         Development         Ongoing         8.5-	
	224 2022-06-01 Egypt - Development Ongoing a.o-	
	46         2023-01-28         Egypt         -         Screening         Ongoing           224         2022-06-01         Egypt         -         Development         Ongoing	
	224 2022-06-01 Egypt - Development Orgoing	
	65 67 8 9 10 11 12 2 3 4 5 6 7 8 9 10 11 12	13

You can also **drag the chart sheet to the right and left** to view different widths.

### **Inventory Module**

In this section, you can check the crop and variety inventory in various warehouses located in different countries, as well as the warehouse entity.

By clicking on each warehouse name, a list of crops in that warehouse, their global name, coded reference, remaining quantity (after transaction process), and unit will be displayed, along with actions you can take on each: review history (of transaction) or make a new transaction on that inventory/ warehouse. You can also download the inventory of that warehouse using the download button at the top of the list.

ie a module	Inventory You can see	e and manage warehouses here					A > Invento
Varieties							
Catalogues	Your Recent Activities						`
: Trials	Make a ne	ew transaction					
Observations	Warehouse name		Geography	Wareho	ouse Entity		
Organizations	Warehouse Switzerland		Switzerland		ed Egypt		
organizations	Warehouse China		China	Lifaces			
Setup ^							
Access policy	Warehouse Mouritius		Mauritius	Prosee			
Geographies	Warehouse Jordan		Jordan	Prosee	d CH		
💩 Crops	Warehouse France		France	Farmit			
③ Currencies	Warehouse Hungary		Hungary	Wildbe	an		
Custom fields	Warehouse Egypt		Egypt				
Market	MCAF Mauritius warehouse		Mauritius				
Warehouses	Test warehouse		Turkey	Wild Ro	oot		
路, Users							
<b>3</b> 4	New warehouse		Egypt	cropci	rcle Egypt		
dSeft 🔳	New warehouse		Egypt	cropu	rcle Egypt	en 🔻	•
module		and List of varieties in this warehouse	Egypt	under	rcla Egypt		
varieties Catalogues	Warehouse Switzerla	and List of varieties in this warehouse load inventory or make a new tra		unger	rcle Egypt		
varieties Catalogues Trials	Warehouse Switzerla	load inventory or make a new tra	nsaction			*	> Inventory >
module Varieties Catalogues Trials Dbservations	Warehouse Switzerla			Out Reference	Remaining		> Inventory >
Imodule Varieties Catalogues Trials Dbservations Inventory	Warehouse Switzerla	load inventory or make a new tra	nsaction Global Name Sciencescy	Out Reference 22004	Remaining	tunk gr	> Inventory > Actions
module Varieties Satalogues Irials Diservations reventory Organizations	Warehouse Switzerla	Supplier's variety name	nsaction	Out Reference		*	Actions
module Zatalogues Statogues Diservations mreentory Jirganizations	Warehouse Switzerik	Supplier's variety name	Ideal Name Sciebal Name Sciebal Sciebal Sciebal Sciebal Scieba	Out Reference 233088 227403	Remaining 1 0.06	Unit Gr	Actions
modułe Zatałogowa Zatałogowa Zatałogowa Trisła Dzservations Dzservations Zhrganizations Jetup A Access połcy	Warehouse Switzerla Crop WITEL CASEAUL SQUASH WATERMELON	Supplier's variety name	Global Name Biobal Name Scular23 SCURAC31	Out Reference 235643 227403 103940	Remaining 1 0.08 -0.96	Unit Unit Of Of Of	Actions
Imodule Varieties Catalogoues Triels Diservations Intervations Setup Access policy Geographies	Warehouse Switzerla	Supplier's variety name	nsaction Global Name SOURASSU SOURACS2 SOURACS3 SOURACS3	Out Reference 235684 227093 103940 551919	Remaining 1 -0.06 -0.06	Unit Dr Dr Dr Dr Dr	Actions Actions C C C C C C C C C C C C C C C C C C C
Industry Carlos	Warehouse Switzerla	Supplier's variety name	nsaction Global Name scatteres Sculok-23 Sculok-23 Sculok-23 Sculok-26 Sculok-26	Out Reference 235643 227403 103980 3591919 359295	Remaining 1 -0.08 -0.04 10.03 10.05	Unit Unit O' O' O' O' O' O' O' O' O'	Actions Actions C
Invaduate Varieties Catalogues Diservations	Warehouse Switzerla	load inventory or make a new tra Suppler's writely name - - - - - -	Stubut Name	Out Reference 237813 227403 103940 591919 356295 184533	Remaining 1 0.08 -0.08 -0.04 -0.04 10.35 4.2	* Unit 0* 0* 0* 0* 0* 0* 0* 0*	Actions
Investory Catalogues Catalogues Tridis Deservations Deser	Warehouse Switzerta	load inventory or make a new tra Suppler's writely name	Iciabal Name Ciciabal Name Socialization Socialization Socialization Socialization Socialization Socialization Socialization Socialization	Out Reference 23,044 227403 103940 59919 396295 184533 250422	Romaining 1 0.08 -0.98 -0.74 10.35 4.2 10.2	↓ Unit	Actions           Actions           Q           <
Invaduate Varieties Catalogues Diservations	Warehouse Switzerta	load inventory or make a new tra Suppler's writely name	Elebal Name           SCH0450           SCH0450           SCH0450           SCH0451           SCH0452	Out Reference 23,064 227403 103840 591910 359295 359295 359295 259422 259422 877733	Remaining 1 0.08 -0.98 -0.93 -0.73 10.23 4.2 19.2 19.2 7.28	• Unit 0' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0'	> Inventory > Actions

#### Make a transaction:

By clicking on the "make a transaction" button, you can create a new transaction between warehouses. There are three types of transactions, and other fields need to be filled out depending on the transaction type that you select:

- Transfer (In/Out): Transfer seeds from one warehouse to another.
   For instance from central warehouse, to trial coordinators home.
- 2. **Receive**: Receive crops into a specified warehouse from an external source (Breeder, suppliers)
- 3. **Deduction**: Correction of stock levels in case of inventory mismatches, germination level driven losses or write offs.

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### **Organization Module**

In this section, you can view a list of organizations, their type/role (supplier, customer, warehouse, etc.), location, varieties, and trials.

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An organization is a **contact** in the system that may include entities in different geographies, along with people working within the organization. Each individual **may be connected** to a specific entity.

You can add a new entity or person, and for additional fields, the admin can define them as needed and they will be displayed in "additional attributes". Varieties and trials associated with the organization are displayed at the other tabs at the top of the organization page.

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### Creation of a new contact (organization):

On this page, you can create a new organization by adding the organization type, geography, name, and remarks. To add people or entities, you can open the related organization later and add the people/entities to it.

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#### Creation of a new person:

On this page, you can create a new contact (person). When you type the organization name, a list of existing organizations will be displayed, and you can add the contact to one of them.

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By selecting an existing organization from the list, you can also choose the specific entity within that organization where this person works (this is optional and also link this person to another).

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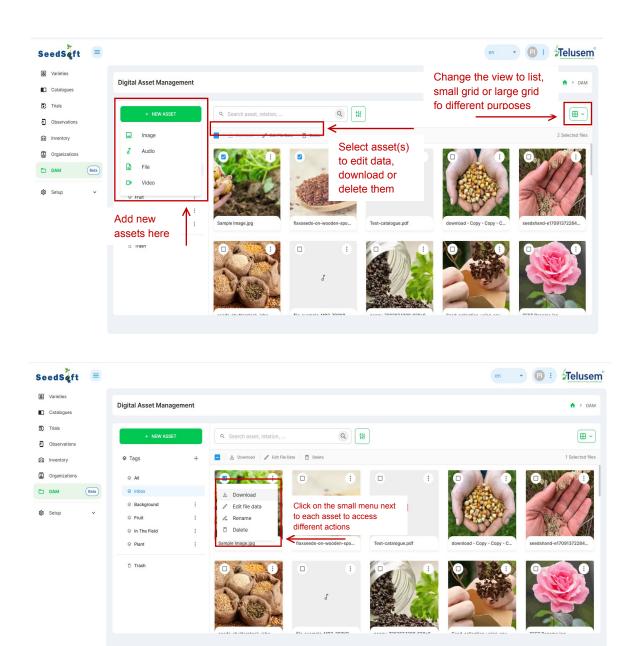
The second scenario occurs when the organization you want to add does not exist in the system. In this case, after entering the name of the organization, the "organization type" field will be displayed, allowing you to create both the person and the organization they belong to.

In this case, the entity will be automatically created, and you can edit the information later on each organization's details page.

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<ul> <li>Market</li> <li>Warehouses</li> </ul>				SUBMIT
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## **Digital Assets Module (Beta)**

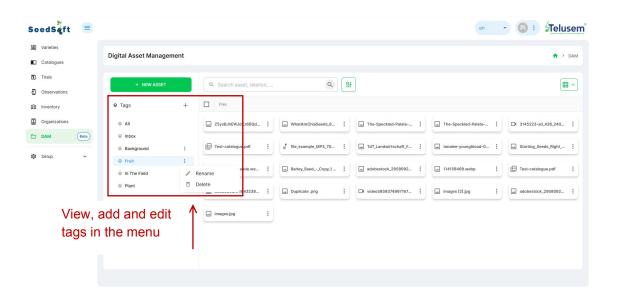
You can now easily view, add and manage Digital Assets (such as images, videos, voices and documents) related to different parts of the system (observation attachments, trial images, variety images, etc.) or independently uploaded in the "**DAM**" module.



### Tag:

To **categorize and organize** assets in DAM, tags can be assigned to assets. An asset can have one or multiple tags.

- All asset in DAM module will be displayed in "All".
- Users with enough access rights can add, rename or delete tags
- The 'Inbox' tag is assigned to all assets uploaded in an observation using the Seedsoft mobile app. From here, you can assign other tags to new assets, and they will be transferred to that tag.



### **Relation:**

Each asset can be connected to one or more models in the system, such as variety, trial, observation, crop, etc.

For example, if an observer attaches an asset in the mobile app to a particular observation, the name of that observation will be assigned to the asset's metadata, and this way the asset and the observation will be connected.

Note: Images uploaded in the DAM module can be set as the main image for the variety or crop which they are related to.

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	In The Field ♀ Plant	:	sprouts-growing-55	Inbox	trial 682, ARTICHOKE	12-01-2025	<ul> <li>Download</li> <li>Edit file data</li> </ul>
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#### Search and Filters:

In the DAM module, you can search for assets based on file name.

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	In The Field ↓				
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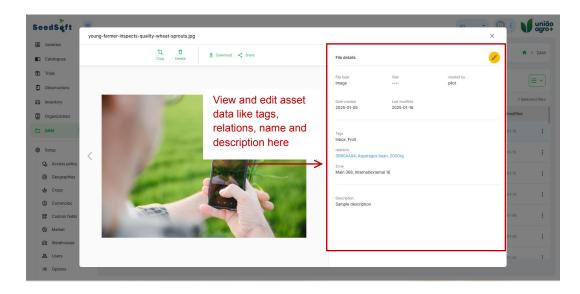
You can also use smart filtering to find assets based on their relations, created and modified date.

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		□			16-01-2025	16-01-2025	;

#### Edit Asset:

Tags and relations are both modifiable

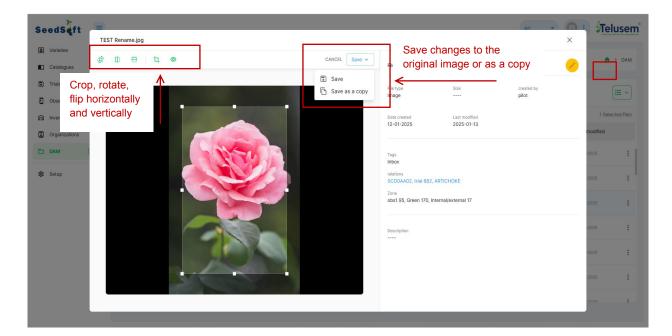
• Manage and edit tags, relations, and description for a single asset



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• Use available tools to edit image assets





• Manage and edit tags and relations for multiple assets.

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				CANCEL	CONFIRM	yg ∨ : of 2228 < >

#### Trash:

You can find deleted files in "Trash" and restore them from there.

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## Tasks (Beta)

To create and manage tasks for yourself or other users in the system, you can now go to the "Tasks" module. Tasks are automatically sorted by the closest due date/time.

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You can also add and manage tasks within a trial, variety, or organization, under a tab called "Tasks."

Catalogues   Catalogues   Trials   Description   Description <t< th=""><th>Catalogues     756 - Middle East WATERMELON (Test Sync (REP))</th><th>seedsoft</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>🗘 🕄 English</th><th>PILOT 🕸</th><th>uni agi</th></t<>	Catalogues     756 - Middle East WATERMELON (Test Sync (REP))	seedsoft								🗘 🕄 English	PILOT 🕸	uni agi
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### Create New Task:

To quickly add a task, click on "Add Task", and a small dialog will open. This dialog remains open even after a task is created, which is especially helpful when you want to create multiple tasks in a row quickly.

If you need to add more details to a task, click on "View More Fields" to open the detailed form. In this form, you can enter the following:

- Task title
- Task type
- Due date/time (You can modify the time zone so the user will see the task in their local time)
- Reminder(s)
- Assignee (Select from the list of users in the system)
- Description
- Relation (You can link the task to a specific trial or variety in system)
- Organization (You can link the task to a specific organization or person in the system)

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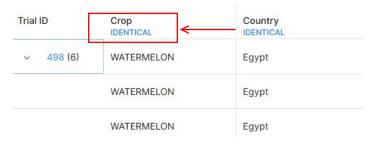
To learn more about timezone settings, task notifications, and reminders, please refer to the "<u>Profile Settings</u>" section in this document.

## Glossary

# <u>A</u>

**Aggregation (in data tables):** Allows to see data in an aggregated form (sum of a group, average of several numbers etc.) in a data grid. The most frequently used ones are:

A. Identical: If all items in a that column within a group are identical, they'll be displayed at the 'group level'



- B. Average: instead of seeing individual values for a field of group, a mathematical average will be shown.
- C. Size: The total number of items in a column.
- D. Sum: Shows the result of adding all numbers together in a numerical column.
- E. Min: Shows the minimum amount in a column.
- F. Max: Shows the maximum amount in a column.

**Archive:** An option to hide items that are no longer in use. You can restore archived items whenever needed. In most modules, you'll see a switch that, when turned on, shows archived rows or

items in the list. You can easily unarchive them using the "unarchive" button.

Note: To archive an item, you must first archive all related or subordinate items. For example, you cannot archive an organization until the people and entities associated with it are archived.

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## <u>B</u>

**Breeder:** The individual or company who has bred a seed variety.

### <u>C</u>

**Chart:** A statistical view of the numeric data in the observations table allows for more effective and easy analysis and assessment of the data.

**Crop (or species):** Lowest level of aggregation of products in SeedSoft usually corresponding to agronomical species. However, there can be exceptions – for instance a SeedSoft user can choose to have Tomato Determinate and Tomato Indeterminate as separate crops.

**Crop family:** A group of related crops within the same botanical family, sharing similar characteristics and growing conditions. Example: Solanaceae (tomatoes, peppers, eggplants). In SeedSoft it's the second (after Crop) product grouping level.

**Coded reference:** A randomly created numerical code for each variety. Can be used to as an alternative to Serial number in order to maintain product secrecy.

**[Data Grid] Columns:** Through this section you can control and manage columns.

**[Data Grid] Custom view:** In this section a user can manage saved views of a data grid.

**Custom field** – a field added by the SeedSoft client to a module of the system. This field will be added to all 'members' of the module (for instance all varieties or all trials). A custom field can be a 'text' / 'text area' (for longer texts), 'numeric', 'date', 'single- or multi select' type. The admin can also specify access levels required to see the field and then add these levels to user roles (see access management).

## <u>D</u>

Data grid: This is the name of the tables used in SeedSoft:

	EDENSITY LEXPORT	CUSTOM VIEW 3	SAVE CURRENT VIEW	+		
Global name	serial no	Seed type	Supplier id	Crop family	Crop 个	segme
Yellow Feeder	SUM0AA11	Hybrid	Car76767	Umbelliferae	CARROT	Nantai
Orange delight	SUM0AA34	Hybrid	1729	Umbelliferae	CARROT	Nantai
Kuroda star	SUM0AA49	Main	15646	Umbelliferae	CARROT	Kuroda

# <u>E</u>

**External coordinator:** An individual external to the SeedSoft client responsible for observing and managing a trial.

## <u></u>

Farm gate price: Price of seeds as paid by the farmers.

**[Data Grid] Filter**: Data Grid function allowing to filter the list in a granular way by different columns or their combination You can add filters and choose whether to filter based on both criteria or only one (AND/OR). There is also a "remove all" option that allows you to clear all filters and view the default list.

## <u>G</u>

**General result [Trial]:** Indicates the final result of a trial. The options can be adapted in a client system, as standard they are:

- A. Negative
- B. Non conclusive
- C. Positive

**Global crop:** In SeedSoft it's the third (after Crop and Crop Family) product grouping level. For instance: 'Field Crops' and 'Vegetables'

**Group by:** Grouping all columns based on/prioritized by that specific column title.

 [Trait] Grouping: Through the options module, the admin can define trait groups. While creating or editing a trait, you can specify the group and select which group the trait should belong to (this is displayed in mobile app).

# <u>H</u>

**Hierarchy (geography):** The link between a particular geographical region and the 'World'. For example: World/Asia/India/Gujarat. It is fully configurable in SeedSoft.

## <u>|</u>

**Incoterms:** Widely-used terms of sale, are a set of 11 internationally recognized rules which define the responsibilities of sellers and buyers.

Read more

**Internal coordinator:** An individual within the organization who is responsible for observation and managing a trial.

### L

**Legend:** A short guide or tooltip that briefly explains the concept behind a trait or specific field for the observer. For example, the "Trial Result" legend might include options like "Canceled," "Planned," or "Completed," providing clarity on each term's meaning and usage.

### <u>M</u>

**Manager [Trial]:** An individual within the organization who is responsible for management of a specific trial.

**Margin:** The difference between a product selling price and the cost of production (or purchase), can also be expressed a percentage ratio of profit to revenue.

## <u>0</u>

**Observation (In trials):** Data and photos gathered in the field during a visit. Typically, each visit to a field is one observation in SeedSoft. Each trial can have an unlimited number of observations associated with it.

### <u>P</u>

**Product Life cycle (PLC):** All the stages of product's existence from early breeding, through adaptation trials, commercial presence to obsoletion. The various stages can be defined by the client. As standard they are defined as:

	Code	Meaning	Time
	Screening	New product, first trials to assess basic fit to market	Max 1 year
Trialing -	Development year 1	1st year of in-country trials with comparison to benchmark	1 year
maing	Development year 2	2 <sup>nd</sup> year of in-country trials to confirm yield, positioning and USP	1 year
	- Pre-commercial	Commercial preparation (Demo trials / regulatory work)	Max 1 year
Sales 🛁	Phase in	Intese marketing efforts, first sales	1-2 years
	Growth	Commercial growth phase	1-3 years
	Cash	Plateau, maximum sales, stale market positioning	0-10 years
	Decline	Sales dropping, successor in growth phase	2-5 years
	Phase out	Last commercial efforts, removal of variety from the market	1-2 years
End of life -	Sell off	Sell off of the available stock (typically at discount)	1-3 years
	Obsolete	No activity	Forever

**Protocol**: Refers to a specific selection of traits assessed in a trial. For example, depending on skills of an observer or needs of a particular trial, one protocol might have only a few traits focusing on fruit quality and yield, while another might be much more extensive and cover diseases, plant behaviour, seed germination and post-harvest performance.

### Note:

- 1. Once a protocol is selected for a trial, it cannot be changed afterward.
- Protocols are defined and linked to a crop in the options module by the admin.

## <u>R</u>

**Relation:** Each asset is connected to one or more specific section in the system, such as variety, trial, observation, segment, etc. These relations can be defined either in DAM by manually adding

the relations to assets, or they can have default relations when they are added through related section.

# <u>S</u>

**Scope (of traits)**: There are two available scopes of traits in SeedSoft:

- 1. Web (descriptive): describing the variety in variety details / catalogues.
- 2. Mobile (observable): Visible in mobile and used to observe varieties in the field.

The same concept – fruit length for the same variety can look different. As a observable trait fruit length might be an array of numbers: [10.5, 12.3, 14.3, 10.7, 11.0] whereas the descriptive trait of fruit length might be: *"in normal conditions 90% of fruits between 11-13cm"*.

**Serial number:** A unique identifier assigned to a variety used for tracking and record-keeping purposes. When creating a variety, a serial number will be **auto-generated by the system**. The format of the serial number must be defined at the beginning of working with SeedSoft

Seed type: There are two types of seeds:

- A. Open Pollinated (OP): Naturally pollinated seeds that can be saved and replanted, producing consistent plants.
- B. Hybrid (F1): Cross-pollinated seeds from different parent plants, offering specific traits but not true-to-type if replanted.

**Segment:** A categorization of varieties within a crop. A variety can belong to many segments. An example is a Watermelon variety belonging to segments: Elongated Seeded and Crimson Sweet.

**Supplier:** The contact or individual that provides seeds (varieties). There are three fields in varieties related to suppliers:

- A.Supplier's variety name
- B.Supplier's variety ID
- C.Name of the supplier

# <u></u>

• **Tag:** To categorize and organize assets in DAM, tags are assigned to assets. An asset can have one tag or multiple tags.

**Trait:** A distinguishing characteristic or feature of a crop, can be resulting from its genetic makeup or influenced by environmental factors (e.g., color, firmness, etc.). In case of SeedSoft there are 2 scope or types of traits: observable (collected in the field) and

descriptive (used in the variety description for technical and marketing purposes). All traits can be stored as:

- A text field
- A numerical field (incl. several number per cell)
- Single- and multi select
- Date

**Transaction [warehouse]:** Transactions are the process of moving sample seeds and include three types – see the corresponding <u>module</u>.

Trial ID: An ever-incrementing and unique number of a trial.

- **Trial status:** Status of the trial shows the progression of the trial from start to completion. The statuses can be defined by SeedSoft clients and typically include at least 3 statuses:
- A. Planned: The process of planning the trial and observation stages.
- B. On-going: Typically after the first observation
- C. Completed: Successfully finished.

**Trial type:** Trial types are indicating the reason for performing a trial. The reasons are client-configurable. A standard set from SeedSoft is:

- A. Screening typically trial of a large number of varieties to choose the promising candidates for more detailed trials in a particular geography
- B. Development trial of a small number of new varieties with properly chosen internal and external benchmarks to find the best performers.
- C. Pre-commercial trial of a variety chosen for commercialization, mostly for final positioning and demonstration purposes
- D. Regulatory for registration in a particular geography
- E. Other if none of the above fits

Trial sowing date: Date when the seeds are sown.