

Farmbot 42 functionalities

Visitor Page

The screenshot displays the Farmbot 42 Visitor Page interface. On the left, a dark green sidebar titled "FarmBot Menu" contains links for "Seeding Demo", "Watering Demo", "Feedback", "Help", "Your Questions", and "FarmBot Info". At the bottom of this sidebar is a button labeled "English". To the right of the sidebar is a central area featuring a grid representing a garden plot. The grid shows several plants: two radishes, three tomatoes, and three cabbages. Above the grid are three buttons: "Queue" (purple), "Status: Ready" (green), and a small circular icon with a white "X". To the right of the grid is a "Notification History" bar with a dropdown menu showing "10". At the bottom right of the page is a "Q&A" button.

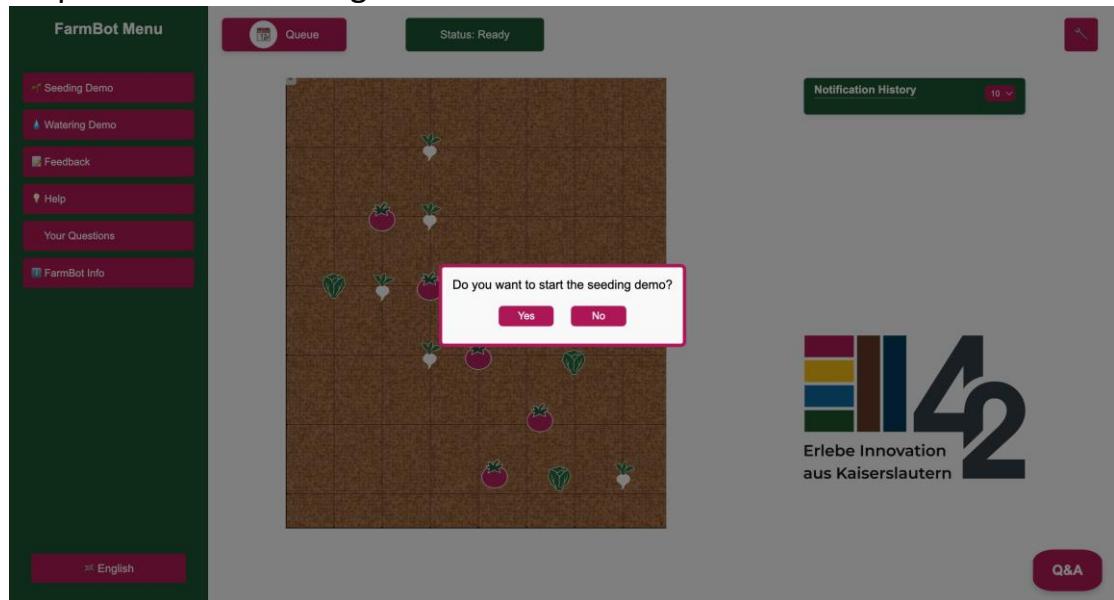


◆ Seeding Demo(Visitor)

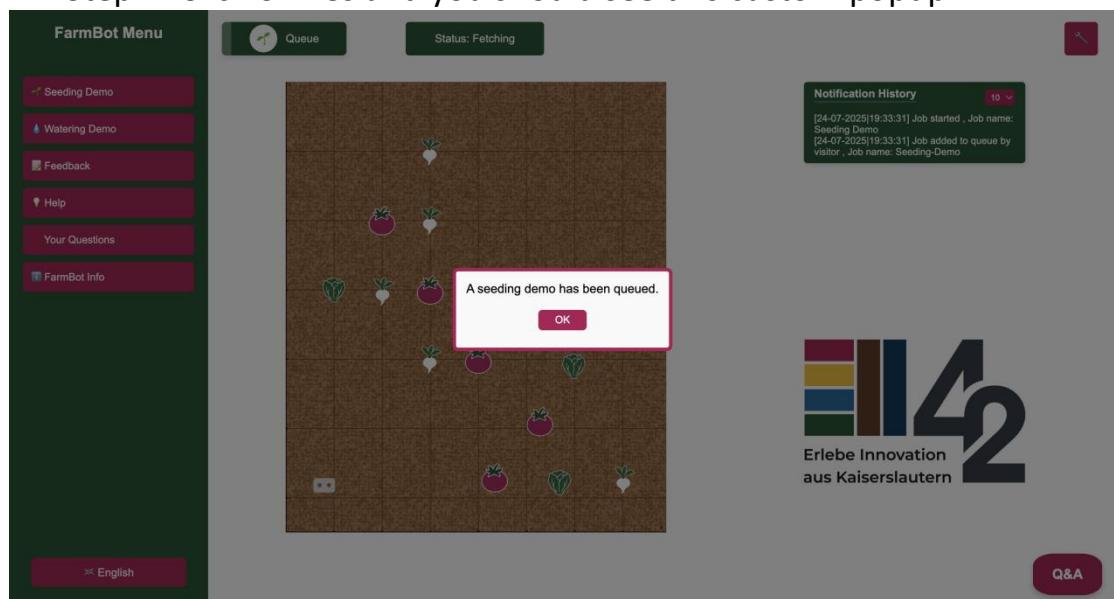
Find the video link here:

<https://drive.google.com/file/d/1L8FtDkHx1rUA9sABkNHIh1Clwi2qmVL/view?usp=drivesdk>

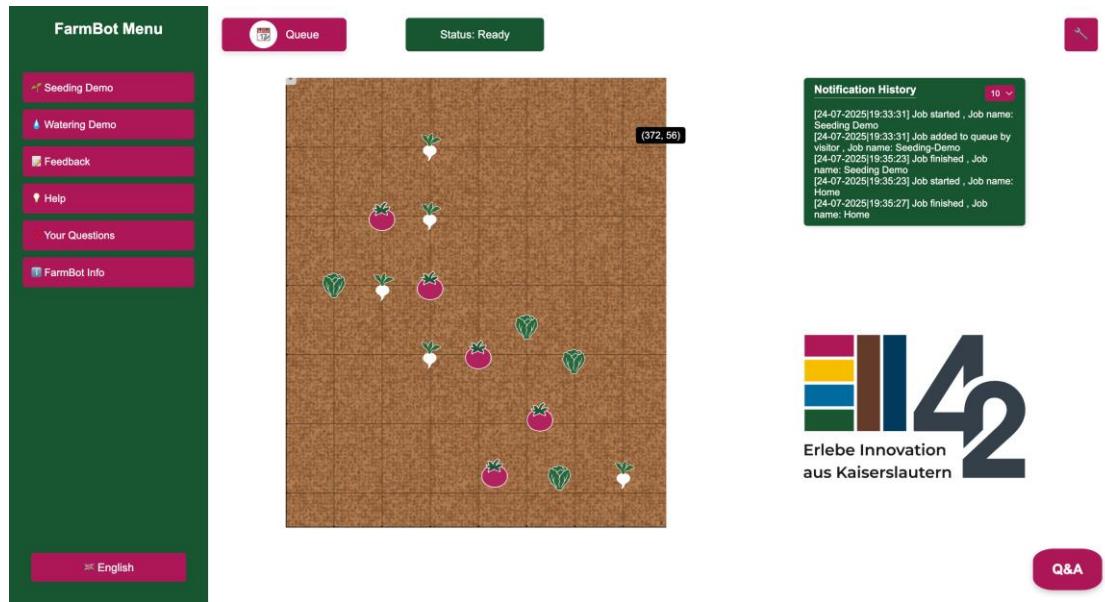
❖ Step 1: Click on Seeding Demo Button under Farmbot Menu



❖ Step 2: Click on Yes and you should see this custom popup



❖ Step 3: Click on OK and you should see all the notifications in Notifications History as live updates .Below is the image posted after the Demo is completed

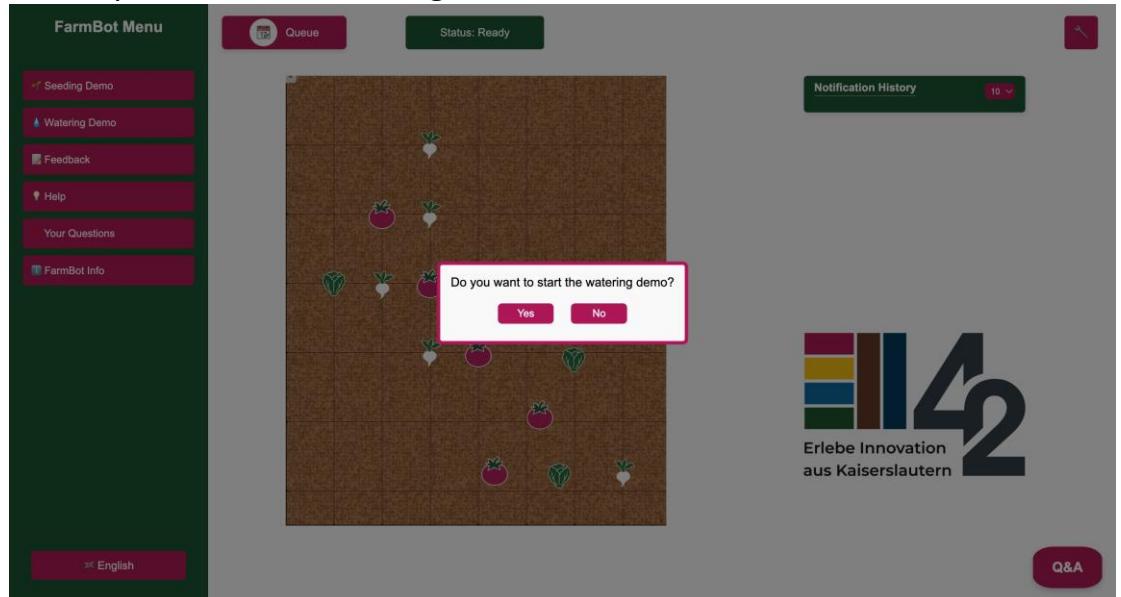


◆ Watering Demo

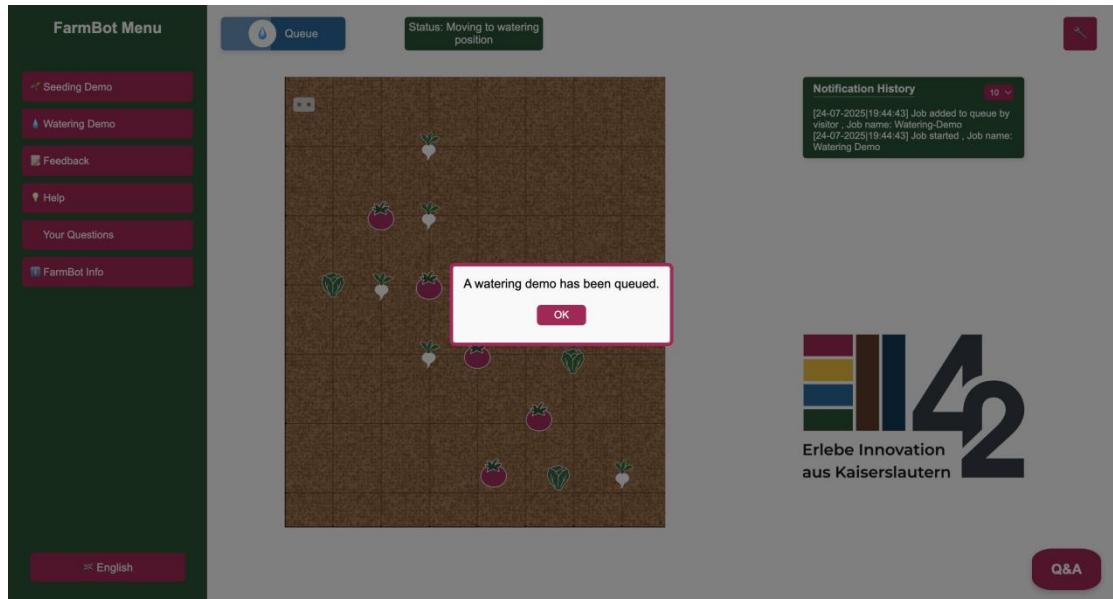
Find the video link here:

https://drive.google.com/file/d/108_Kov3Vf5jDLYxE6iSGb-YlutGnY4G5/view?usp=drivesdk

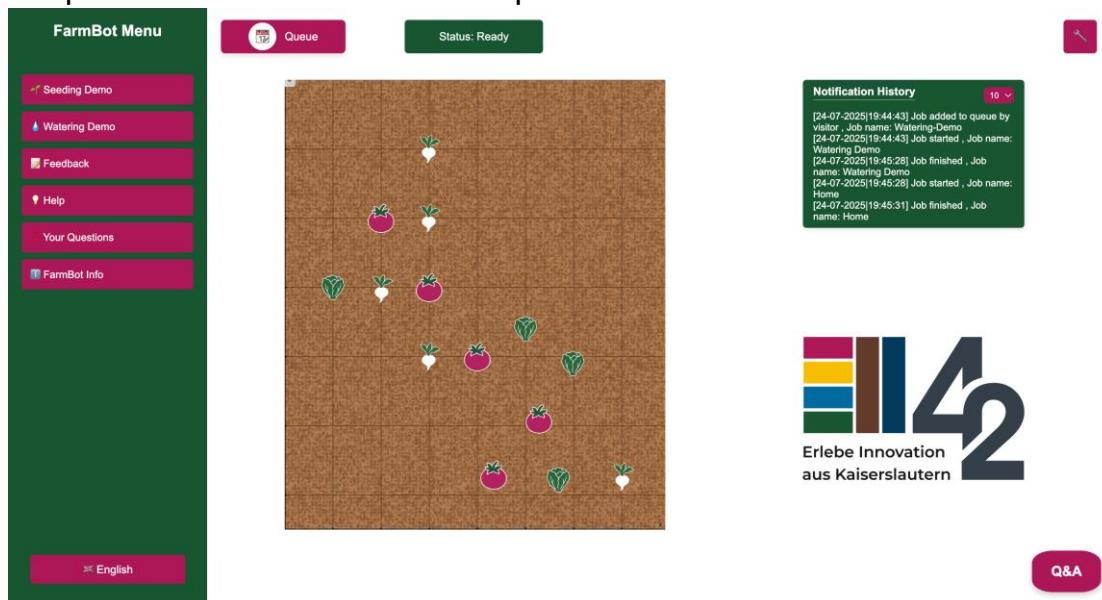
❖ Step 1: Click on Watering Demo Button under Farmbot Menu



- ❖ Step 2: Click on Yes and you should see this custom popup

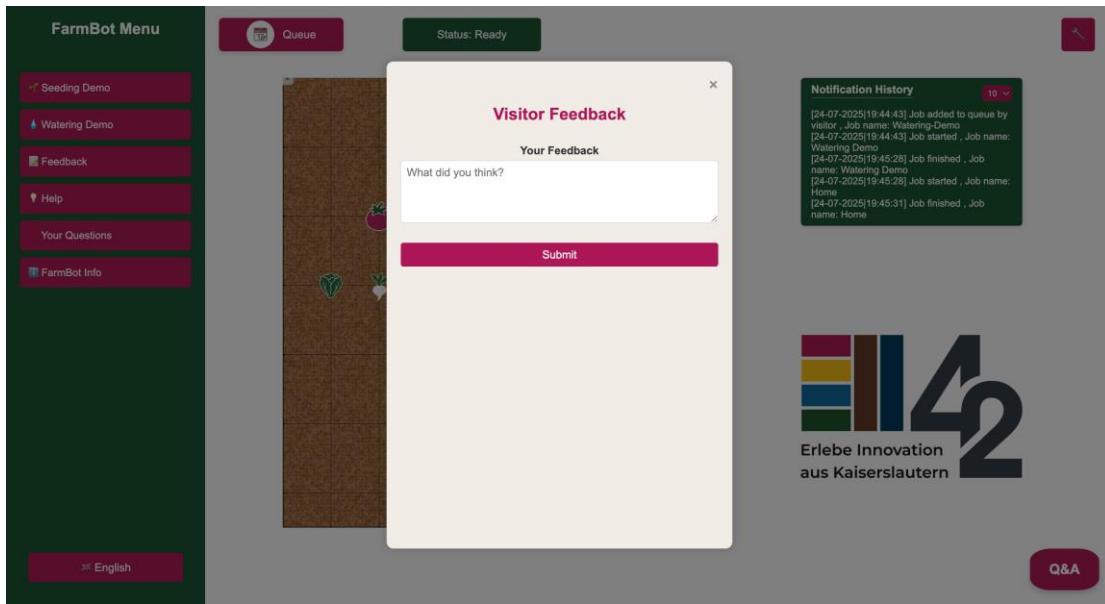


- ❖ Step 3: Click on OK and you should see all the notifications in Notifications History as live updates .Below is the image posted after the Demo is completed

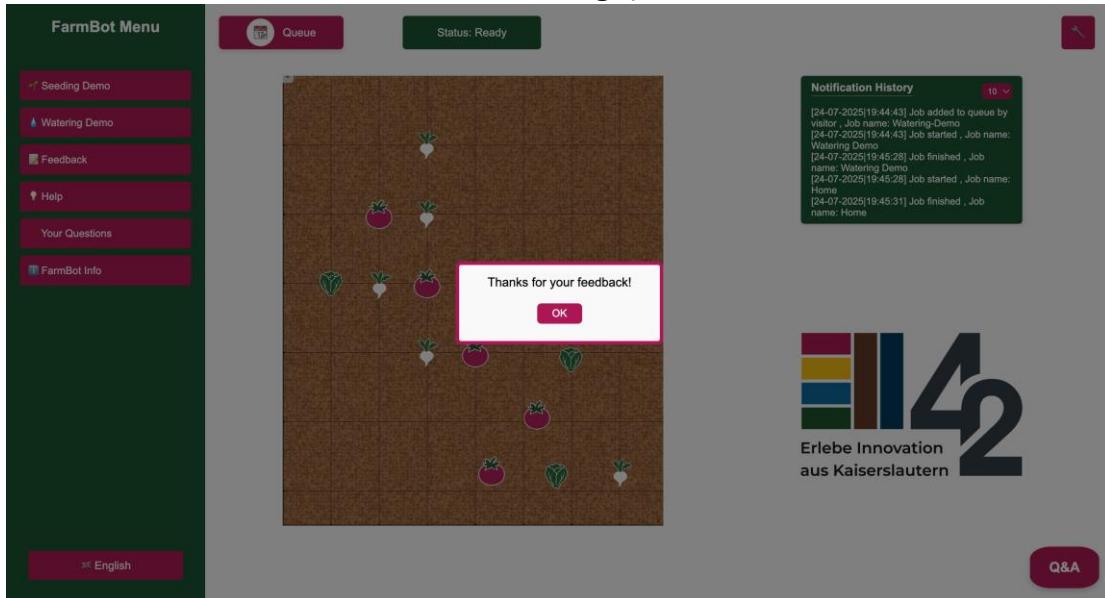


◆ Feedback

- ❖ Step 1: Click on Feedback under Farmbot Menu

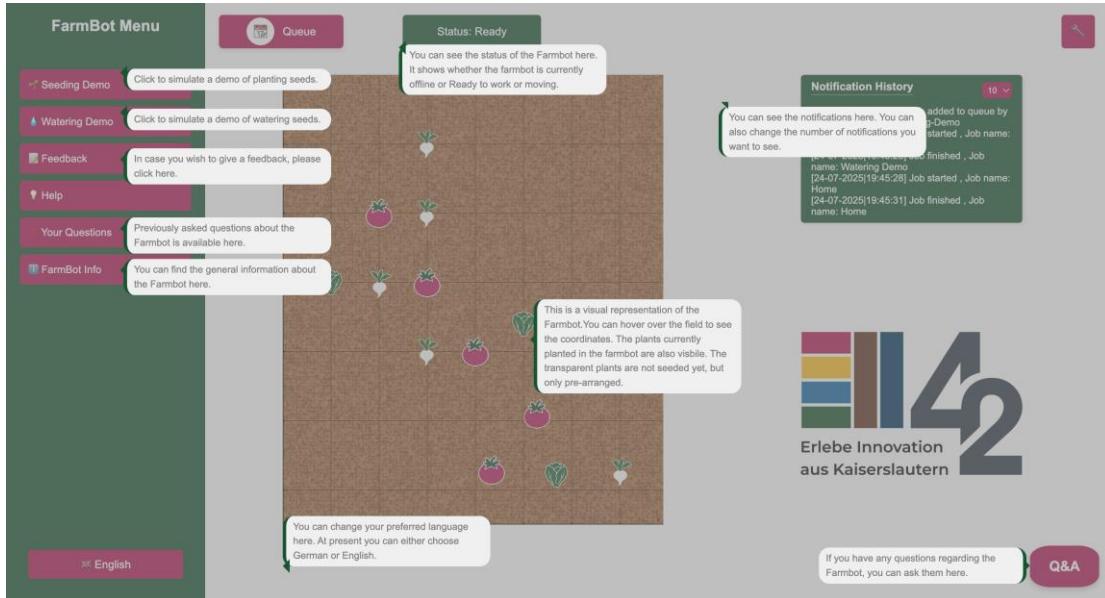


- ❖ Step 2: Fill your Feedback and click on Submit (You should see a customAlert with Successful Message)



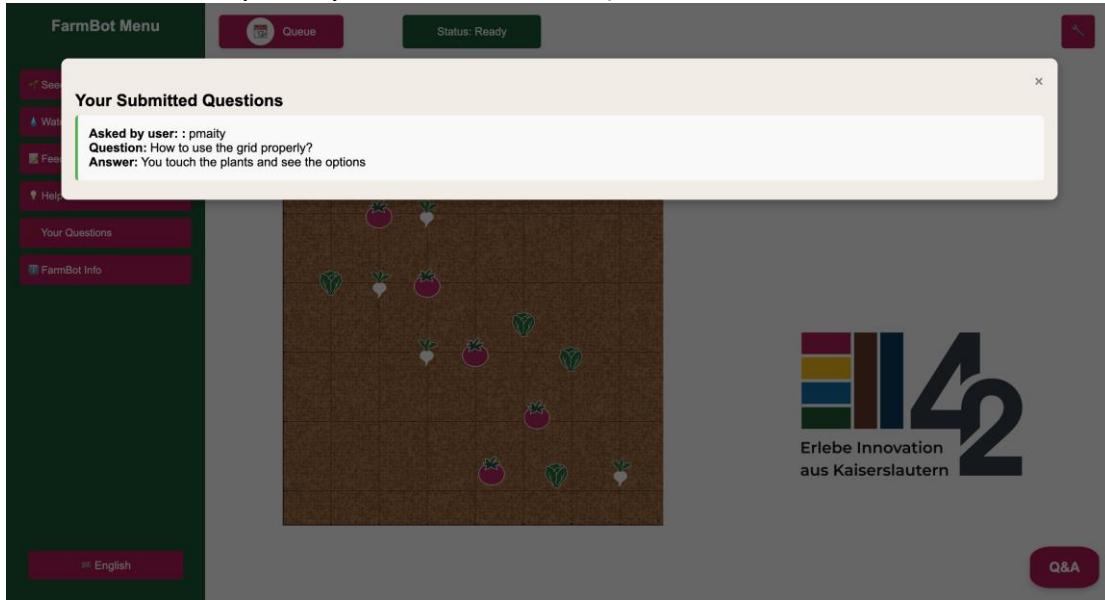
- ◆ Help

- ❖ Step 1: Click on Help under Farmbot Menu(You should see all the helping notifications associated with every place)



◆ Your Questions

- ❖ Step 1: Click on Your Questions under Farmbot Menu(You can see the Frequently Asked Questions)



◆ Farmbot Info

- ❖ Step 1: Click on Farmbot Info under Farmbot Menu(You can see the Farmbot Documentation)

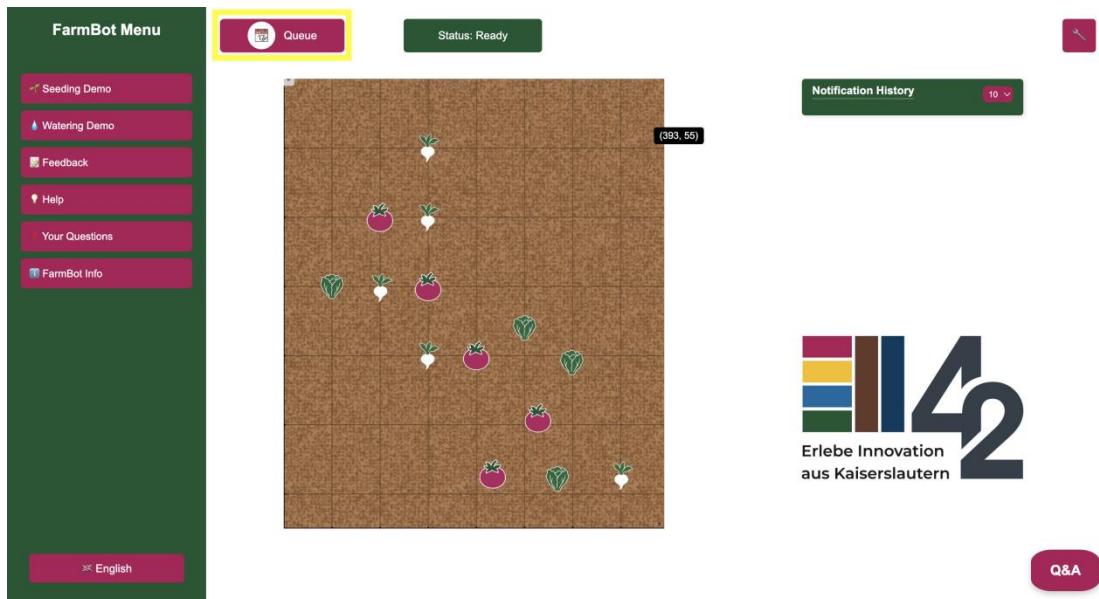
The screenshot shows the Farmbot Documentation page. On the left, there is a sidebar titled "FarmBot Menu" with options: Seeding Demo, Watering Demo, Feedback, Help, Your Questions, and FarmBot Info. Below the menu is a language selection button labeled "English". The main content area is titled "Farmbot Documentation" and contains text about the platform's purpose and features. It includes sections for "Visitor Features", "Administrator Features", and "Additional Features", each with a bulleted list of functions. A "Q&A" button is located in the bottom right corner of the main content area.

◆ Language Translation

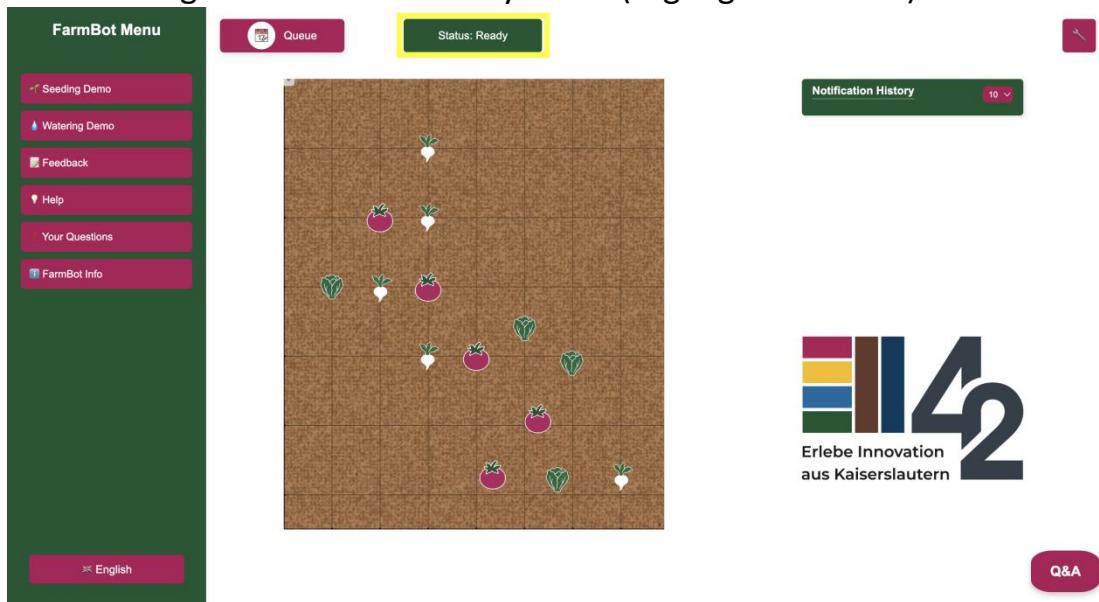
- ❖ Step 1: Click on the bottom left button under Farmbot Menu and change to preferred language(You can check the highlighted part below)

The screenshot shows the Farmbot interface. On the left, there is a sidebar titled "FarmBot Menu" with options: Seeding Demo, Watering Demo, Feedback, Help, Your Questions, and FarmBot Info. Below the menu is a language selection button labeled "English", which is highlighted with a yellow box. The main content area features a grid-based garden simulation with various plants like tomatoes, radishes, and cabbages. At the top, there are buttons for "Queue" and "Status: Ready". In the top right, there is a "Notification History" button with a dropdown menu showing "10". In the bottom right, there is a "Q&A" button. The "Erlebe Innovation aus Kaiserslautern" logo is visible at the bottom right.

- ◆ View Queue Button is shown but not accesible(Highlighted below)



- ◆ Status box is shown with updates only when seeding demo and watering demo is executed by visitor(Highlighted below)



The screenshot shows the FarmBot interface. On the left is a dark green sidebar with a white header "FarmBot Menu" containing links for "Seeding Demo", "Watering Demo", "Feedback", "Help", "Your Questions", and "FarmBot Info". Below the menu is a "English" button. At the top center, there are two buttons: "Queue" (green) and "Status: Moving to seeding position" (yellow). The main area shows a 10x10 grid of brown soil with various small plants (tomato, radish, lettuce) scattered across it. In the top right corner of the main area, there is a small icon of a wrench. To the right of the grid is a "Notification History" box with a dropdown menu set to "10". It lists four entries from July 24, 2025, at 22:25:09: "Job started , Job name: Seeding-Demo", "Job added to queue by visitor , Job name: Seeding-Demo", "Job finished , Job name: Seeding-Demo", and "Job started , Job name: Home". A "Q&A" button is located in the bottom right corner.

◆ Notification History when Seeding Demo and Watering Demo performed by Visitor

This screenshot is similar to the one above, but the "Status" message at the top center is now "Status: Ready" (green). The rest of the interface, including the grid of plants, the notification history box, and the "Q&A" button, remains the same.

◆ Q & A

- ❖ Step 1: Click on Q & A on bottom right corner

The screenshot shows the FarmBot software interface. On the left is a dark green sidebar menu with various options like 'Create Task', 'View Queue', 'Status: Ready', and 'Notification History' (which shows a recent job creation). The main area is a grid representing a garden plot with several plants (tomatoes, radishes, and cabbages) placed on it. In the bottom right corner of the main window, there is a yellow-outlined button labeled 'Q&A'.

- ❖ Step 2: Enter your email and question

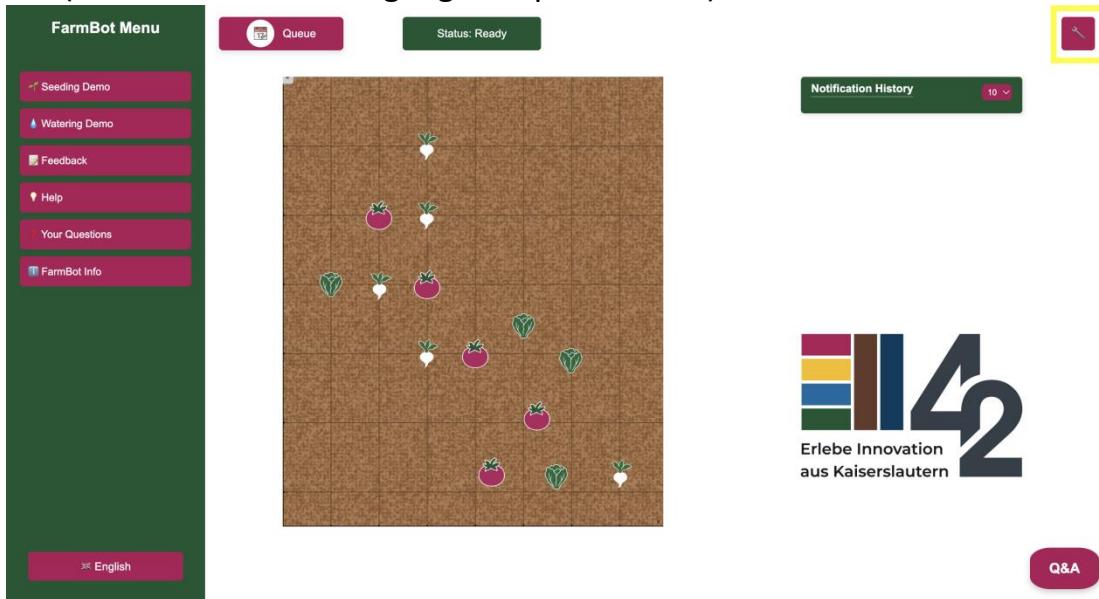
This screenshot is similar to the previous one, showing the FarmBot interface with the 'Q&A' button highlighted. However, a new floating dialog box has appeared in the bottom right corner. The dialog box is titled 'Question' and contains fields for 'Your Email' (prasantamally549@gmail.com) and 'Your Question' (What frameworks are used by developers?). There is a 'Submit' button at the bottom right of the dialog.

- ❖ Step 3: Click on submit[You will get a customAlert popup of successful question posting]

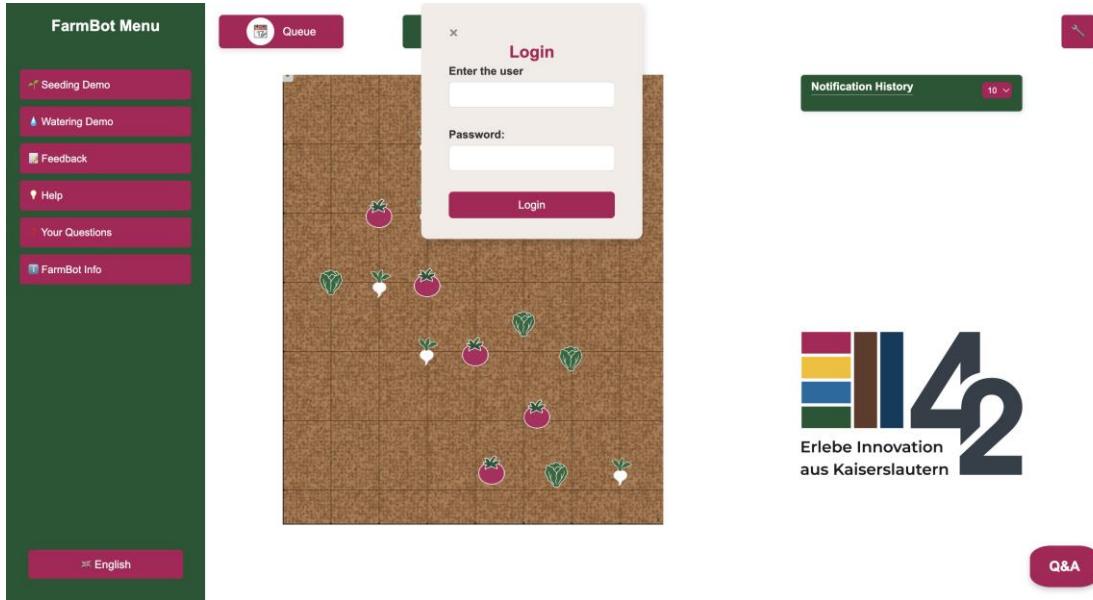


◆ Logged in(Admin page) the following functionalities are shown

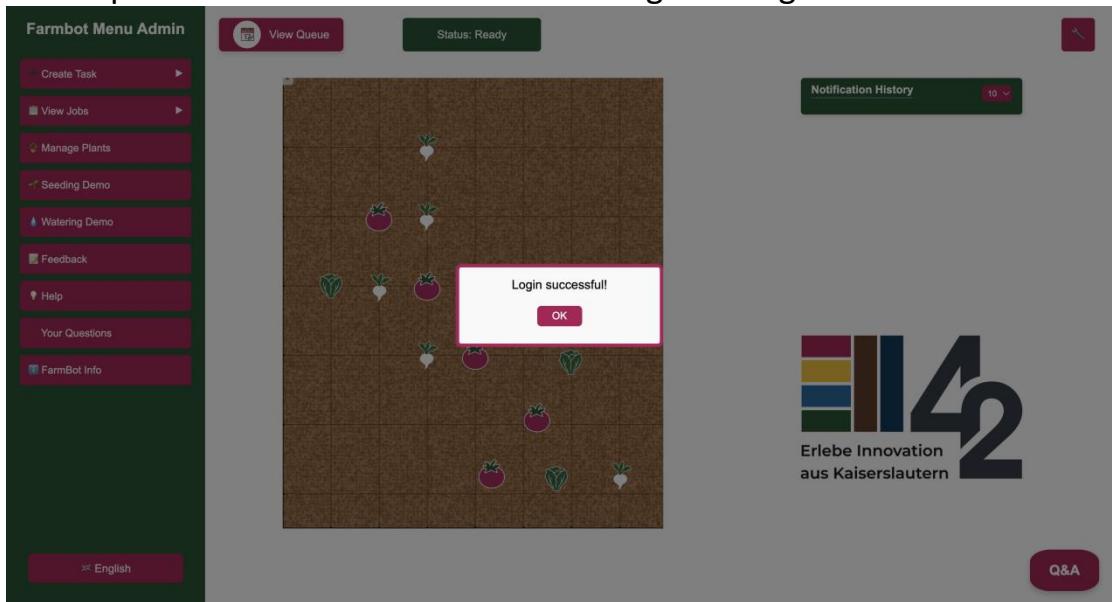
- ❖ Step 1: Click on the top-right settings button with a wrench icon (You can check the highlighted part below)



❖ Step 2: Enter valid credentials to login as an Admin



❖ Step 3: You can see a successful message for Login



- ❖ Step 3: You can see on top left Farmbot Menu Admin and multiple new buttons under Farmbot Menu Admin

The screenshot shows the Farmbot interface. On the left, there is a sidebar titled "Farmbot Menu Admin" with the following menu items:

- Create Task
- View Jobs
- Manage Plants
- Seeding Demo
- Watering Demo
- Feedback
- Help
- Your Questions
- FarmBot Info

Below the sidebar, there is a language selection button: "English". At the top center, there are two buttons: "View Queue" and "Status: Ready". To the right of the status button is a "Notification History" box with a dropdown menu showing "10". In the center of the screen is a grid representing a garden plot with various plants (tomatoes, cabbages, radishes) placed on it. On the far right, there is a logo for "Erlebe Innovation aus Kaiserslautern" featuring a stylized "42" and the text "Erlebe Innovation aus Kaiserslautern".

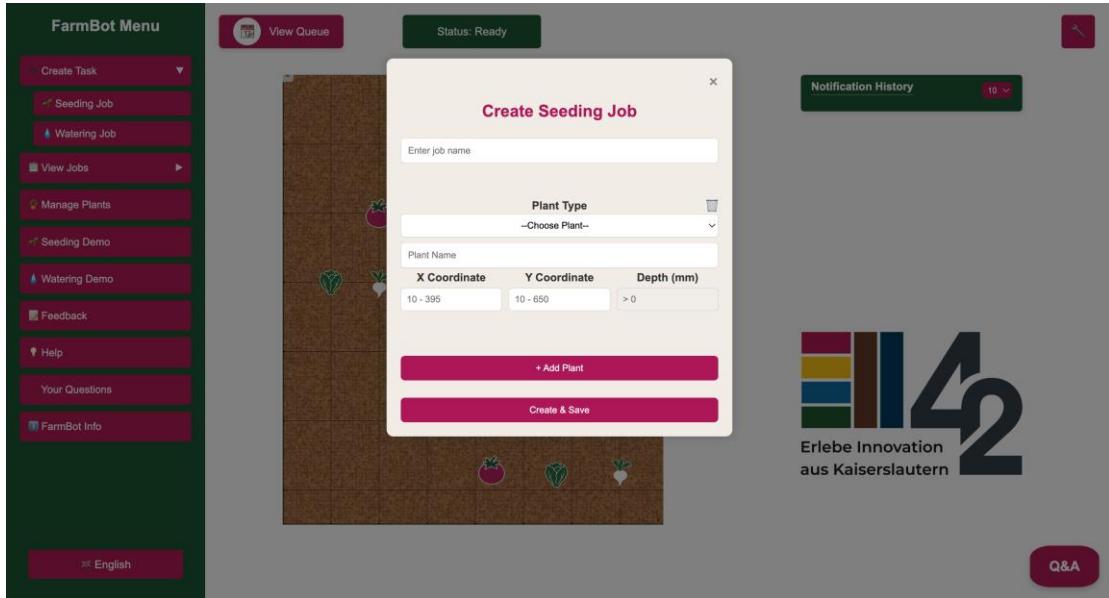
◆ Create Task

- ❖ Step 1: Click on Create Task button under Farmbot Menu Admin
(Two Options Seeding Job & Watering Job can be seen)

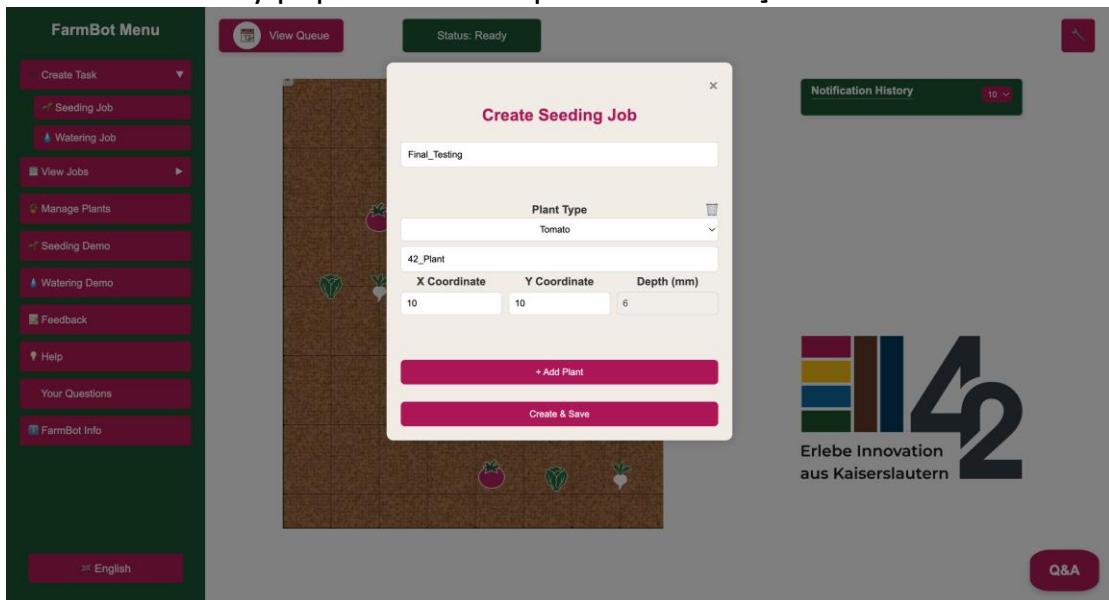
This screenshot is similar to the previous one, but the "Create Task" button in the sidebar has been highlighted with a yellow box. The rest of the interface elements are identical to the first screenshot.

◆ Create Seeding Jobs

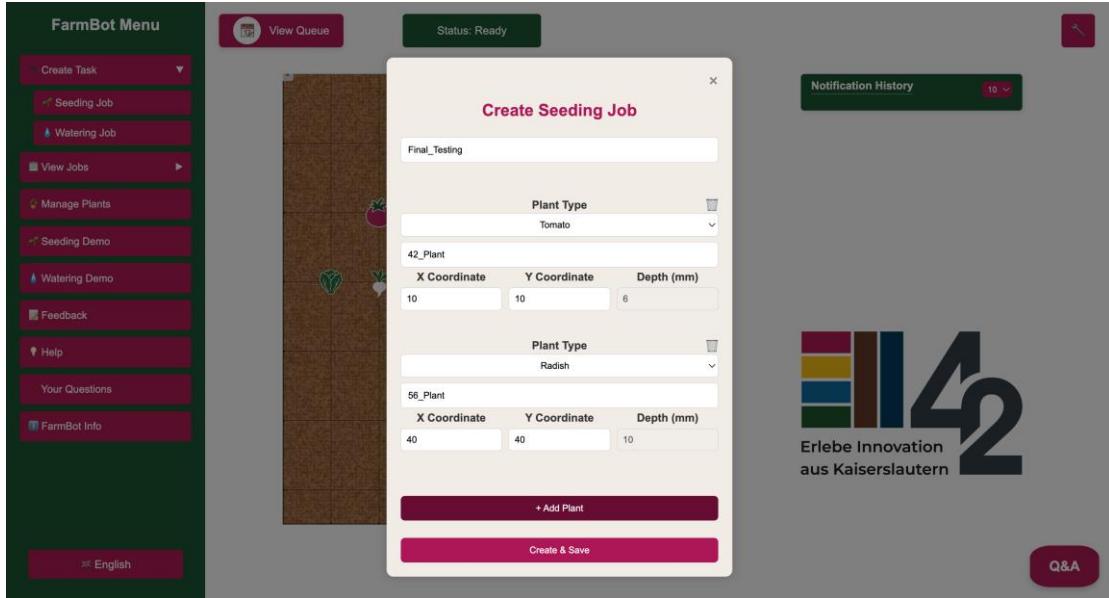
❖ Step 1: Click on Seeding Job button under Create Task



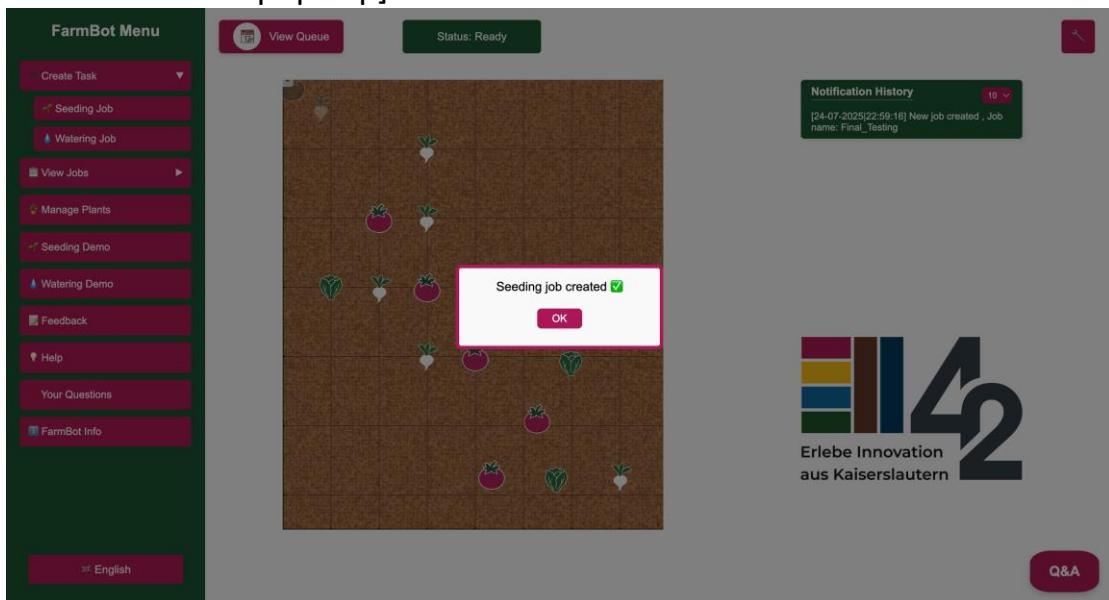
❖ Step 2: Enter job name,Plant_Type,Plant_name(Optional),X Coordinate(10-395),Y Coordinate(10-650)[depth gets automatically populated when plant is chosen]



- ❖ Step 3: Click on + Add Plant and Enter
Plant_Type,Plant_name(Optional),X Coordinate(10-395),Y Coordinate(10-650)[depth gets automatically populated when plant is chosen]



- ❖ Step 4: Click on Create & Save button[Seeding Job created customAlert pops up]



- ❖ Step 5: Click on OK[Check the Grid you can see a faded seed icon of the seeding job created]

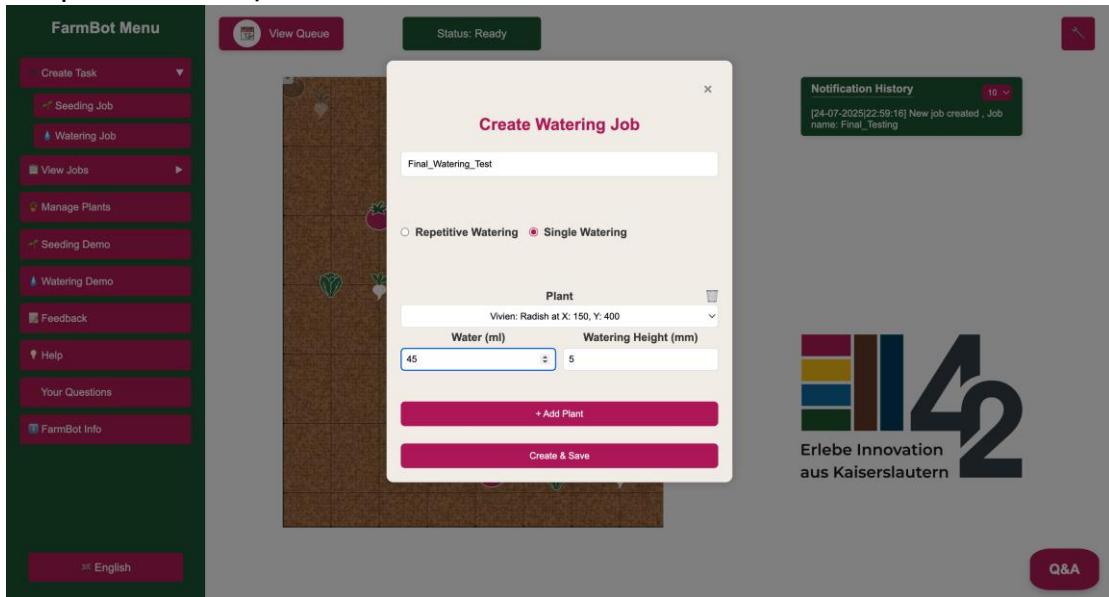
The screenshot shows the FarmBot software interface. On the left is a dark sidebar with a white header 'FarmBot Menu' and a list of options: Create Task, Seeding Job, Watering Job, View Jobs, Manage Plants, Seeding Demo, Watering Demo, Feedback, Help, Your Questions, and FarmBot Info. Below the list is a language selection 'English'. At the top center is a green button 'View Queue' and a status indicator 'Status: Ready'. To the right of the status is a grid of brown soil with various small green and red plant icons. In the top right corner, there is a 'Notification History' box with a message: '[24-07-2025] New job created , Job name: Final_Testing'. A large stylized logo '42' with the text 'Erlebe Innovation aus Kaiserslautern' is visible on the right.

◆ Create Watering Jobs

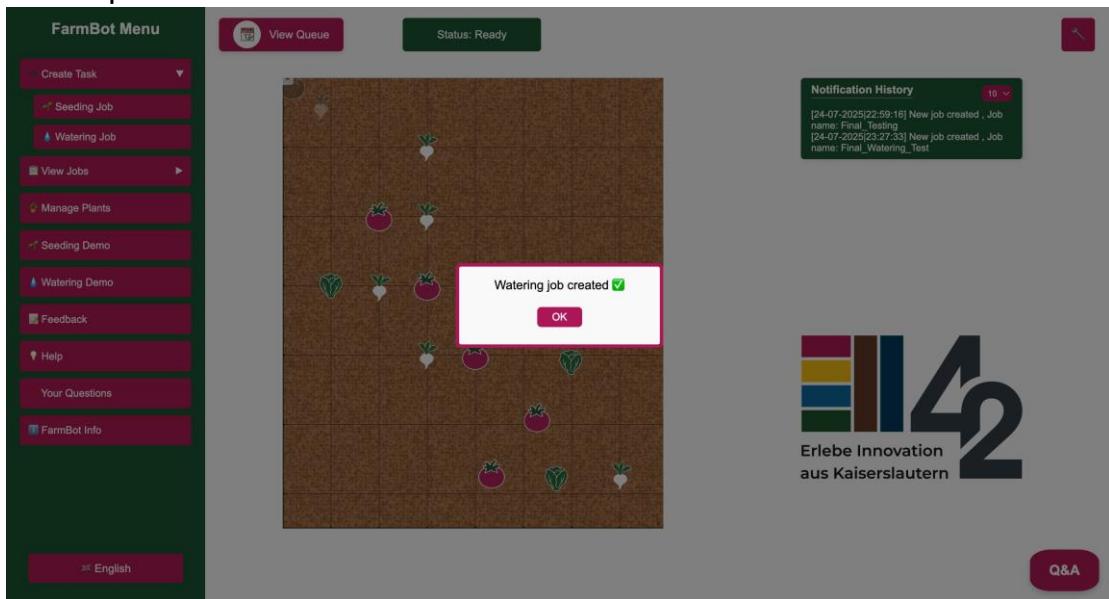
- ❖ Step 1: Click on Watering Job button under Create Task

The screenshot shows the FarmBot software interface with a modal dialog box titled 'Create Watering Job'. The dialog has a text input field 'Enter job name' with a placeholder 'Job Name'. Below it are two radio buttons: 'Repetitive Watering' (unchecked) and 'Single Watering' (checked). There is a dropdown menu 'Plant' with the placeholder 'Choose Plant'. Underneath the plant selection are two input fields: 'Water (ml)' with a dropdown menu containing '10-50 ml' and '10 - 100', and 'Watering Height (mm)' with a dropdown menu containing '10 - 100'. At the bottom of the dialog are two buttons: '+ Add Plant' and 'Create & Save'. The background of the main interface shows a grid of plants, a 'View Queue' button, a 'Status: Ready' indicator, and a 'Notification History' box with the message '[24-07-2025] New job created , Job name: Final_Testing'. A large stylized logo '42' with the text 'Erlebe Innovation aus Kaiserslautern' is visible on the right.

- ❖ Step 2: Enter Job name, Single Watering Radio button(Already selected), Plant type(From list of plants planted), Amount of water to be spread(10-50ml), Watering height(already populated from plant chosen)

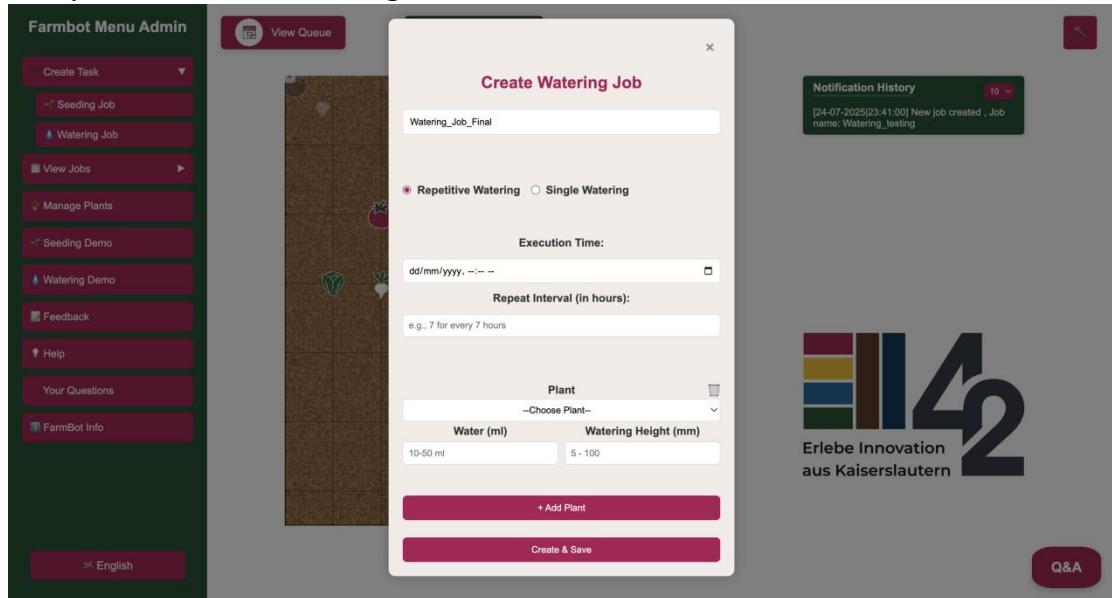


- ❖ Step 1: Click on Create & Save

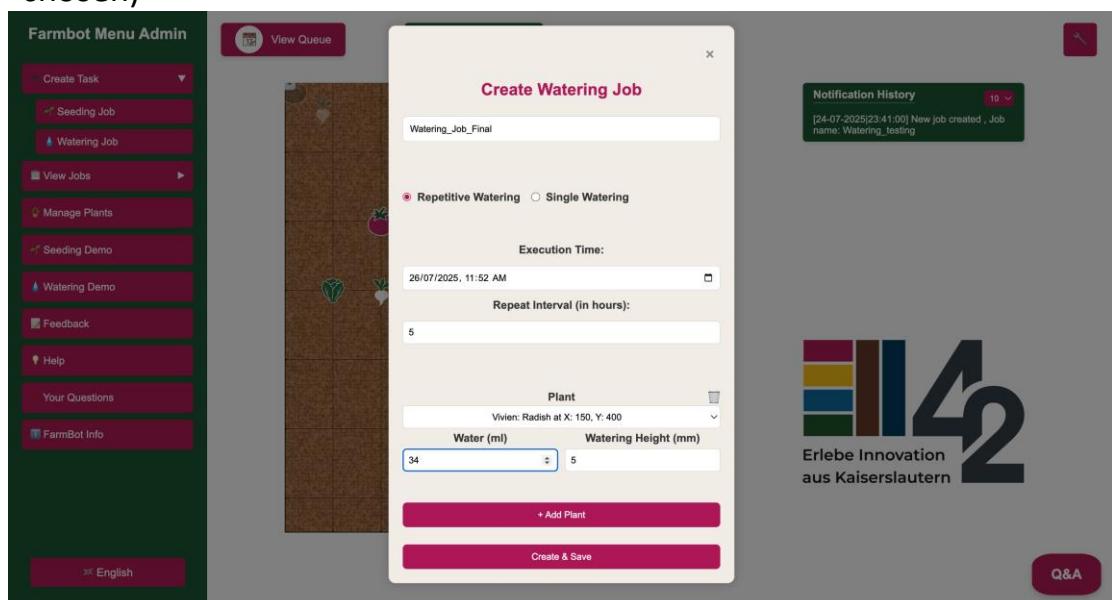


◆ Watering Jobs

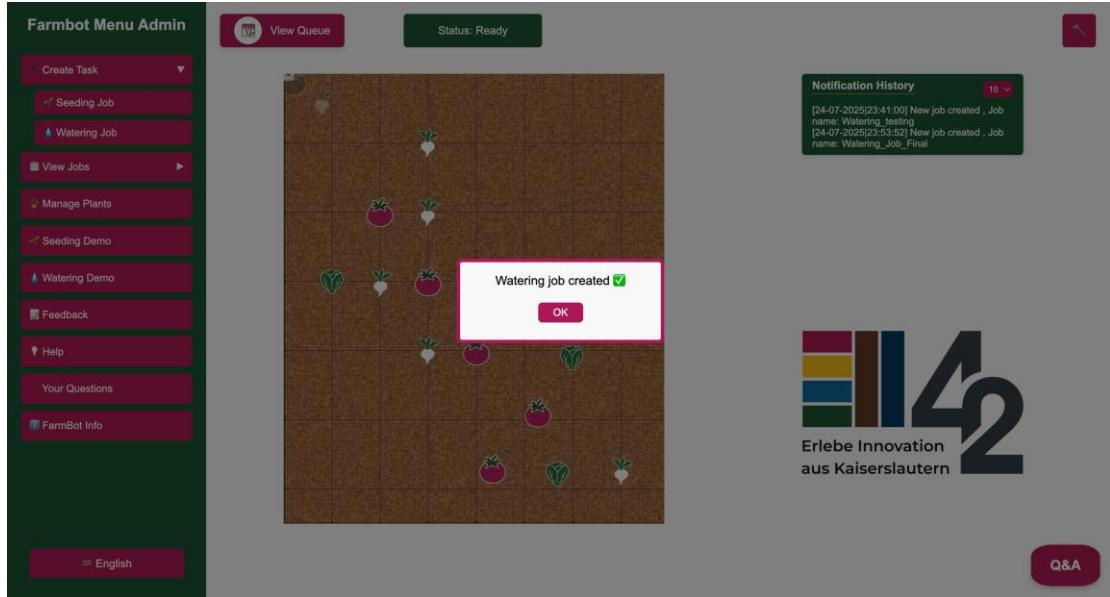
- ❖ Step 1: Click on Watering Job button under Create Task



- ❖ Step 2: Enter Job name, Repetitive Watering Radio button(Already selected), Execution Time(Using Calendar), Repeat Interval, Plant type(From list of plants planted), Amount of water to be spread(10-50ml), Watering height(already populated from plant chosen)

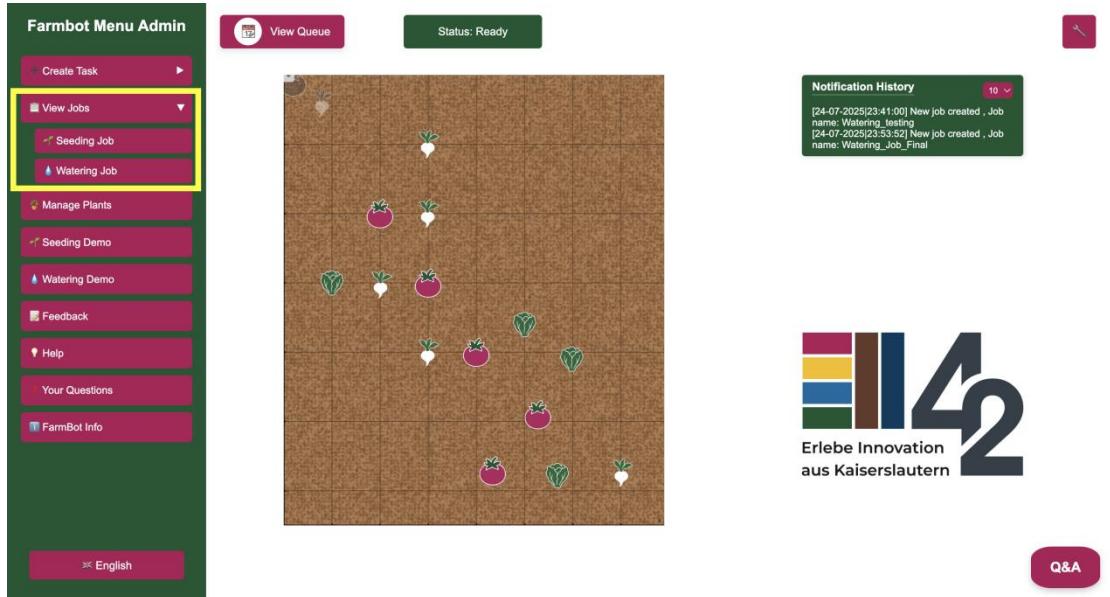


❖ Step 3: Click on Create & Save



◆ View Jobs

Step 1: Click on View Jobs button under Farmbot Menu Admin (Two Options Seeding Job & Watering Job can be seen)

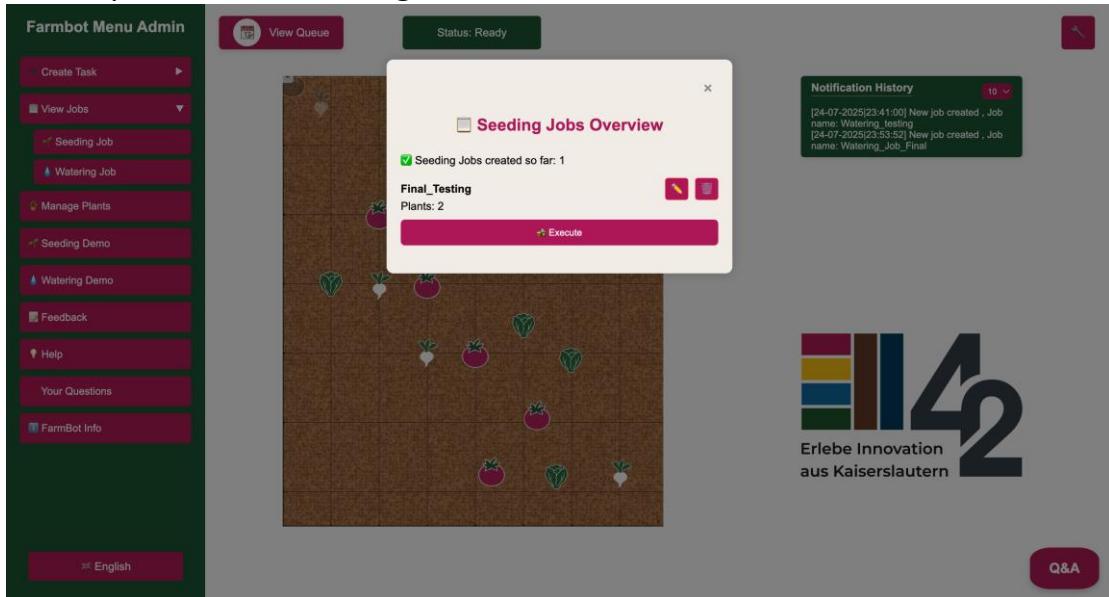


◆ Seeding Jobs

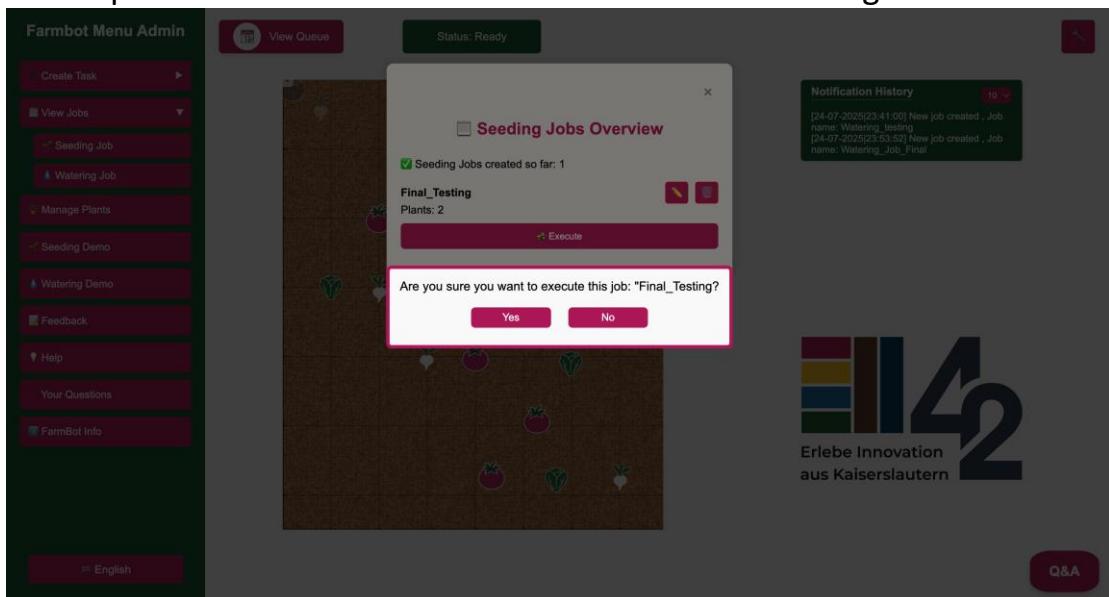
Find the video link here:

<https://drive.google.com/file/d/1Esg6ZzWkD0NtZhEKQ36o3yzVfxpWNdM/view?usp=drivesdk>

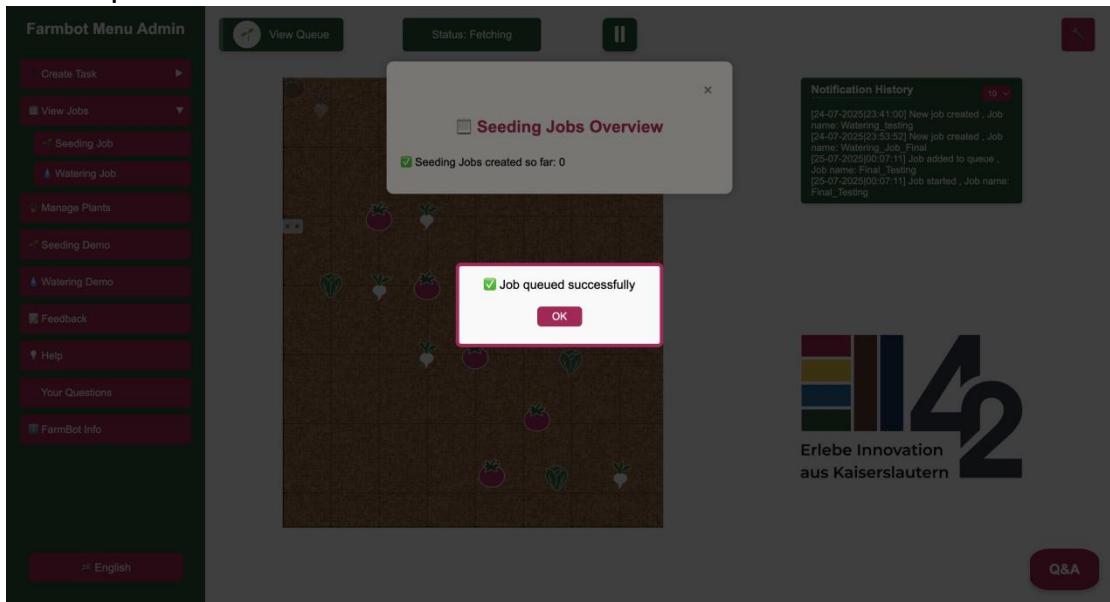
❖ Step 1: Click on Seeding Job



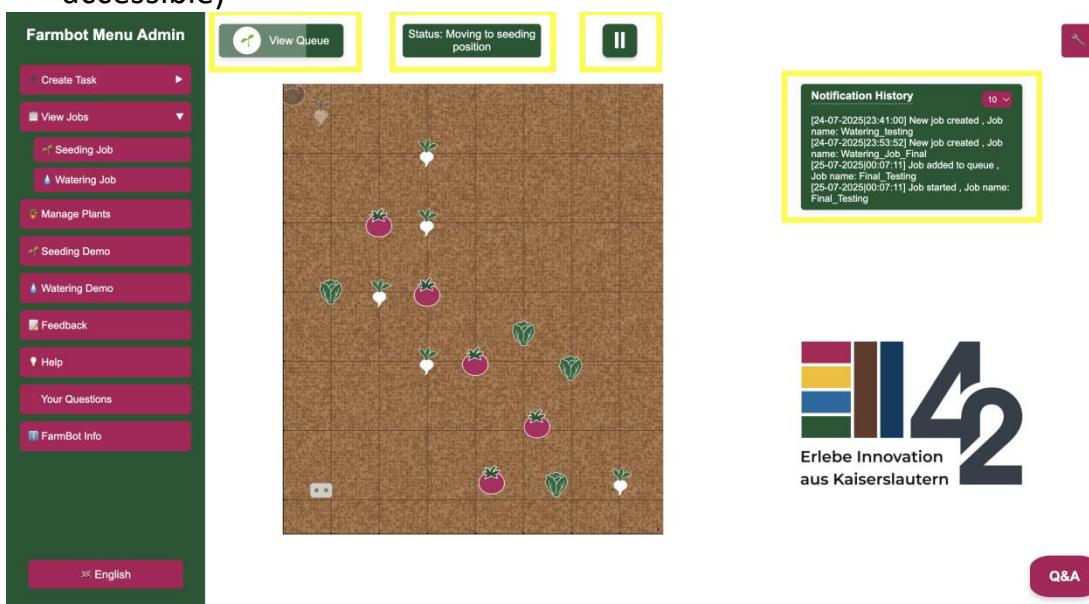
❖ Step 2: Click on Execute button to execute the Seeding Job



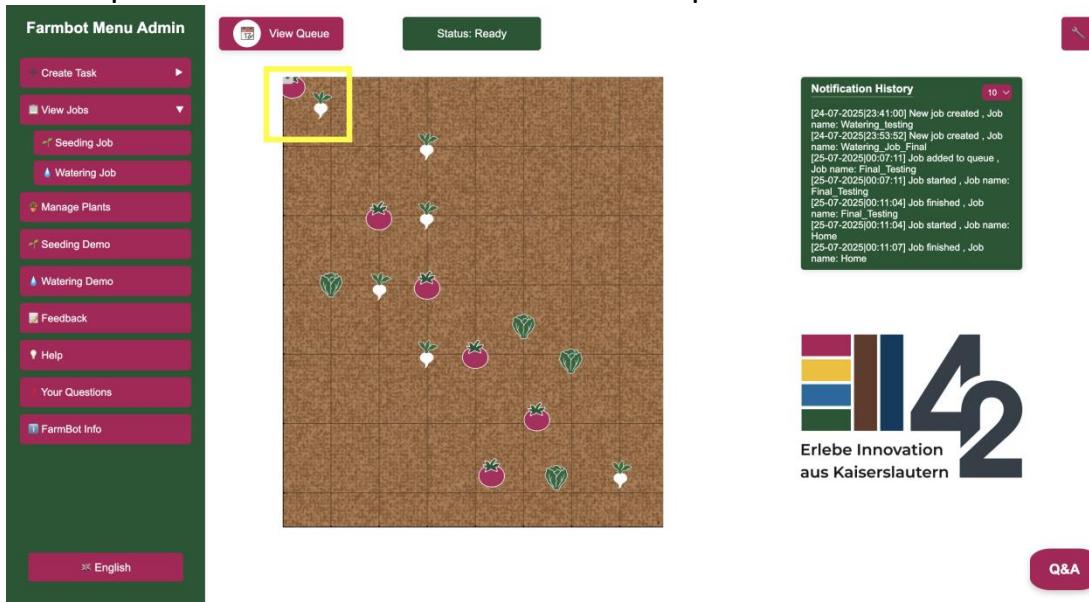
❖ Step 3:Click on Yes



❖ Step 4:Click on OK and analyze the page (See the real time notifications,introduction of Pause button ,View Queue button is accessible)



❖ Step 5: Check the Grid the seed has been planted

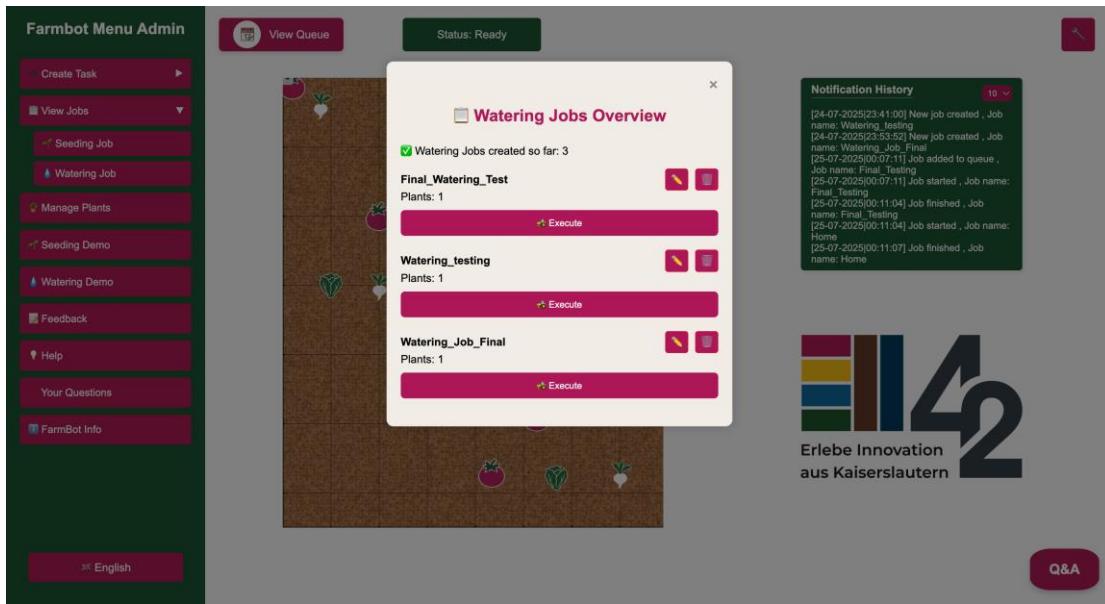


◆ Watering Jobs

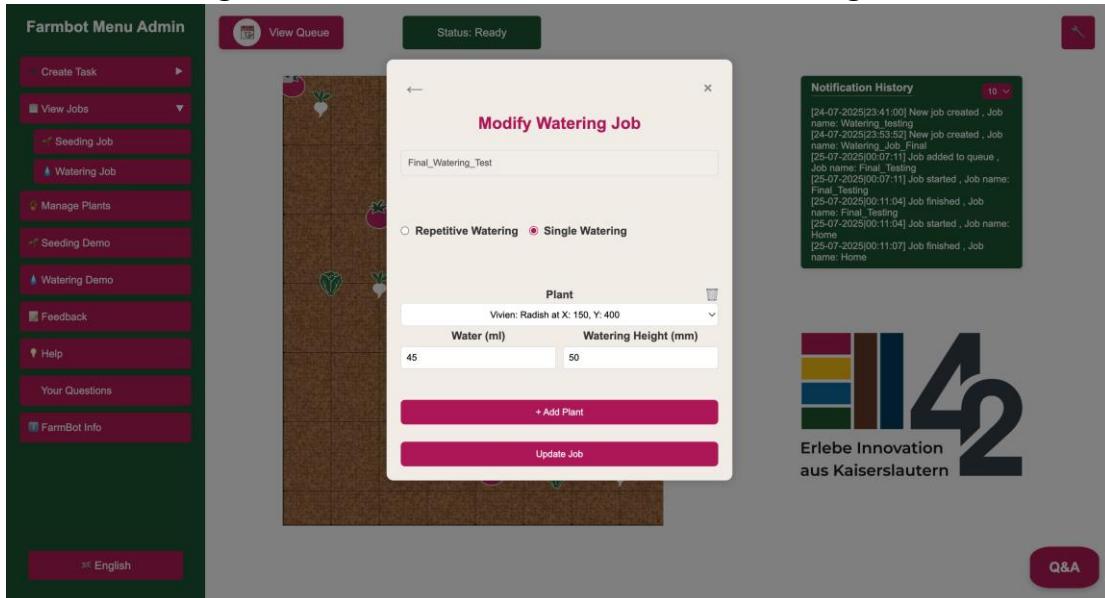
Find the video link here:

<https://drive.google.com/file/d/1dsr7YD3Br7sgufHeUMkMFzNZ0srtNmkl/view?usp=drivesdk>

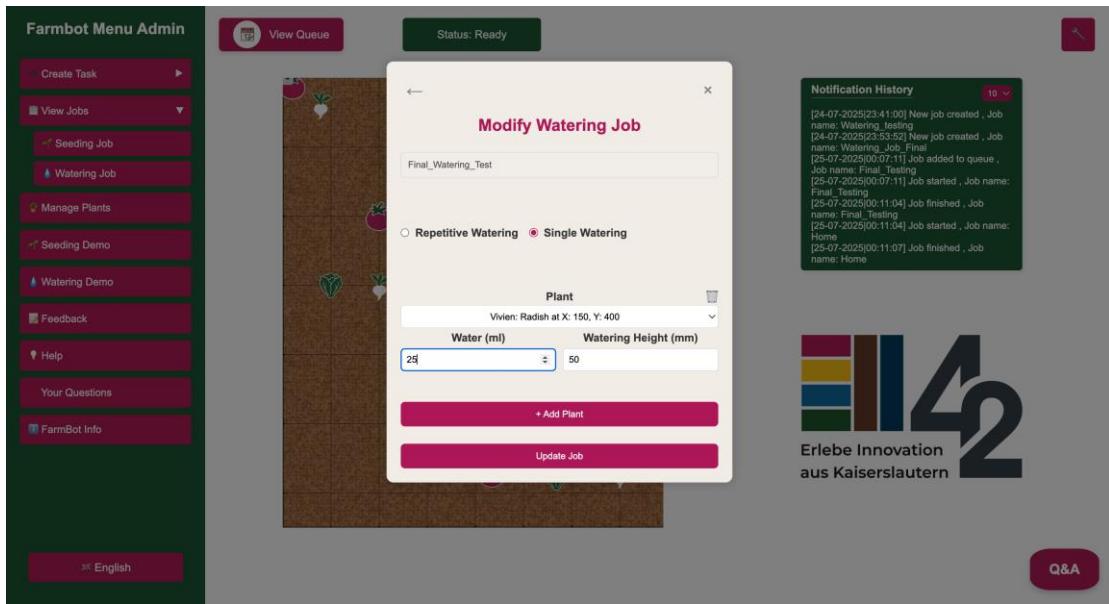
❖ Step 1: Click on Watering Job



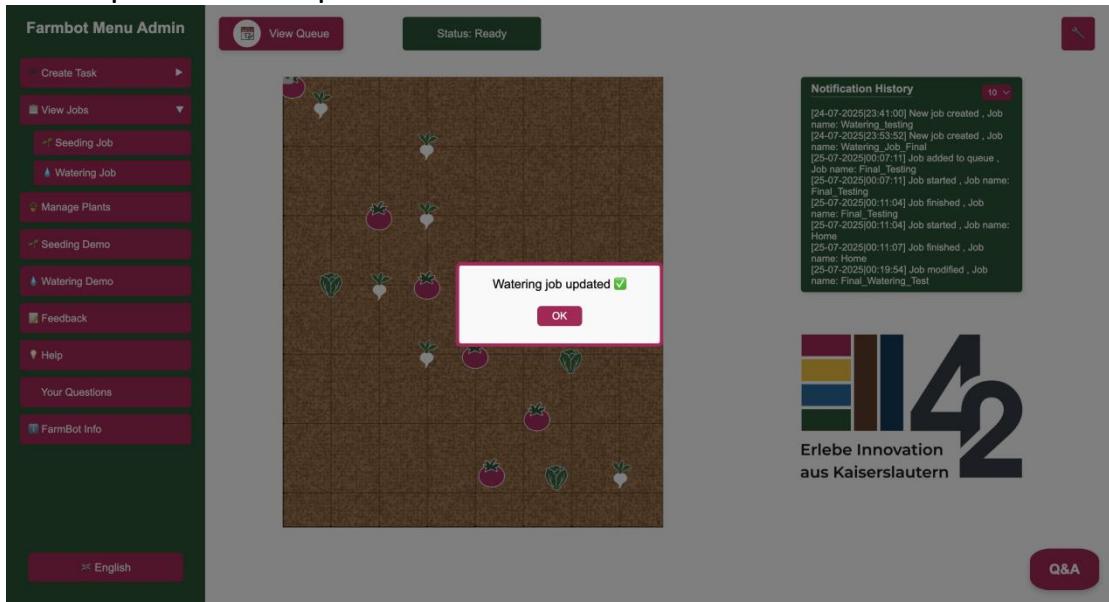
- ❖ Step 2: User can modify or delete any Watering Job [Same works for Seeding Job] Click on Edit button for one watering Job



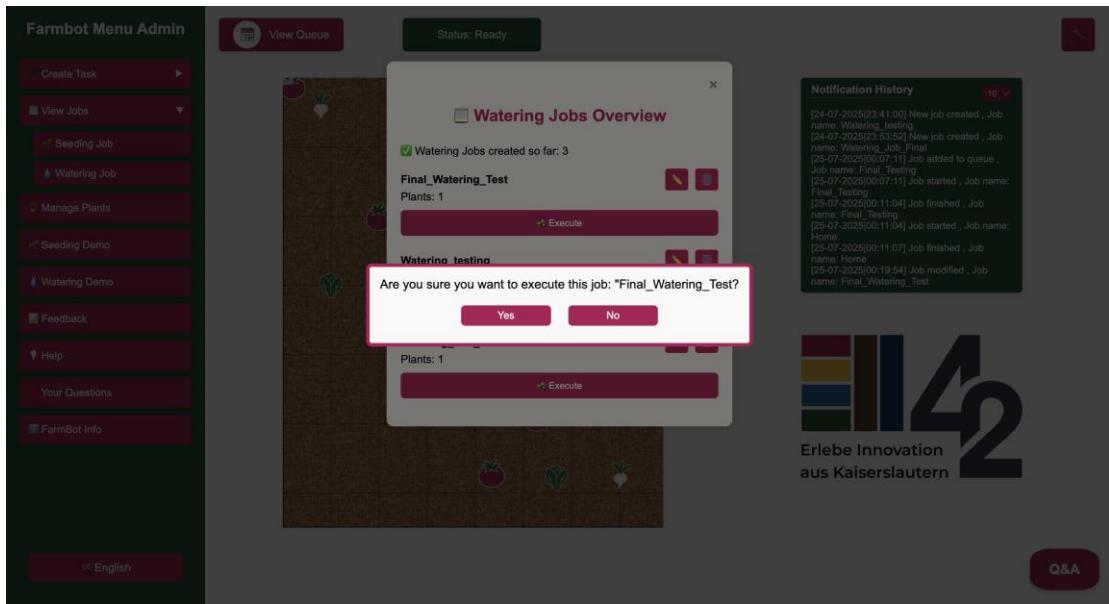
- ❖ Step 3: Change the amount of water to be watered from 45 to 25 ml



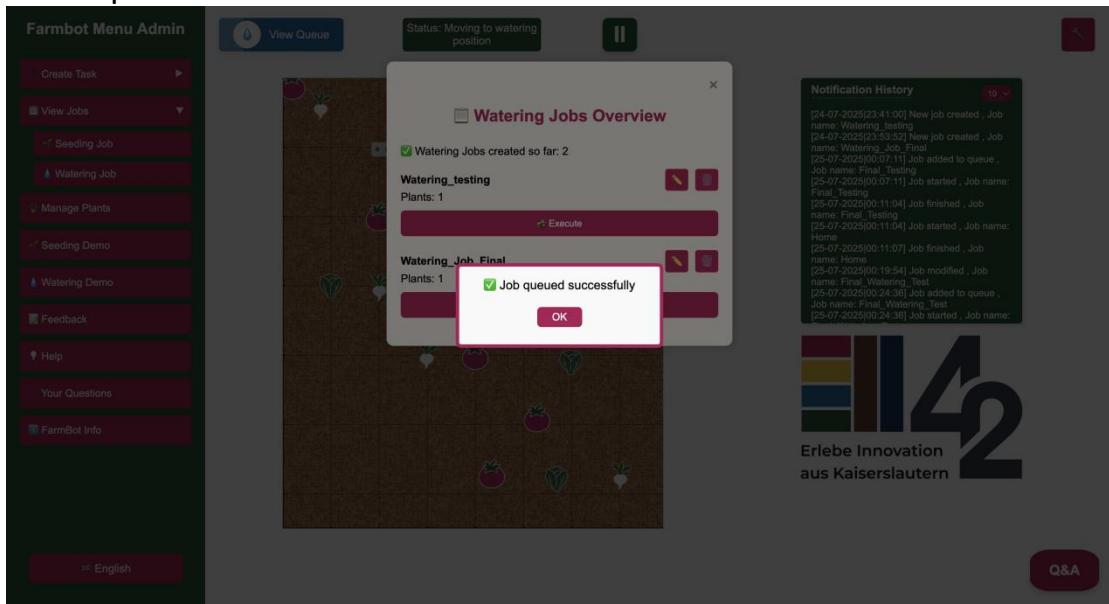
❖ Step 4: Click on Update Job



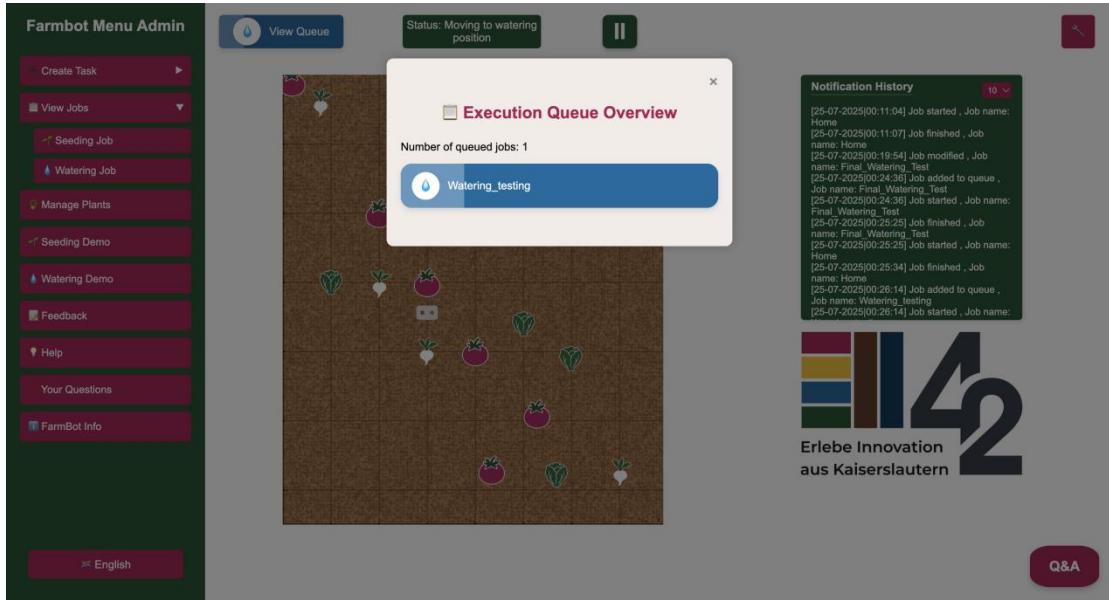
❖ Step 5: Click on OK and return to the same watering job ,Click on Execute



❖ Step 6: Click on YES



- ❖ Step 7: Click on OK and analyze the page (Click on View Queue to see the whole execution)

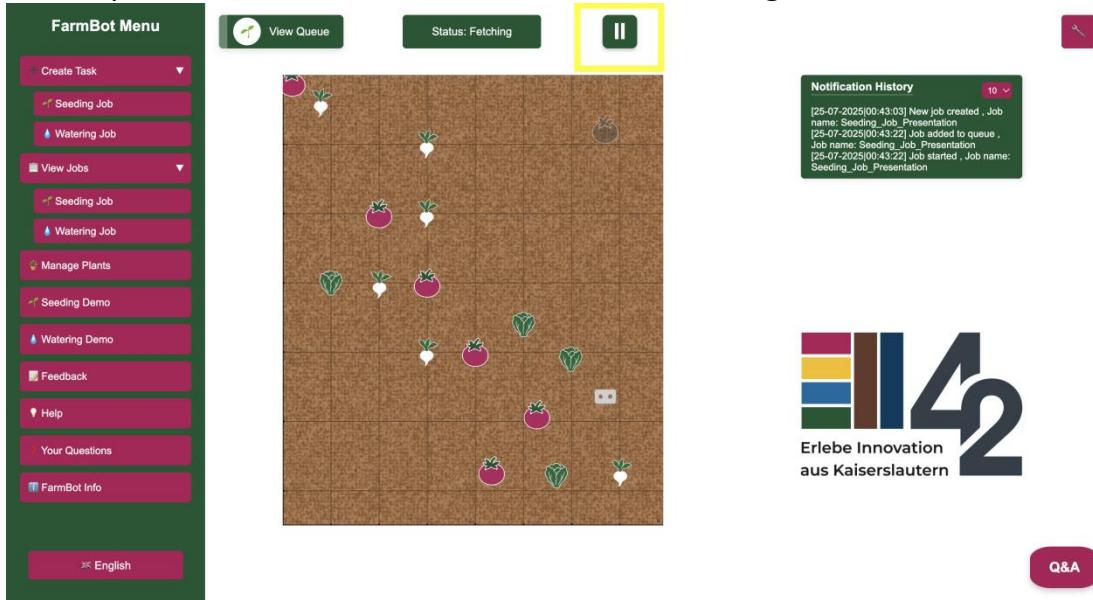


◆ Seeding Job Pause Button Check

Find the video link here:

https://drive.google.com/file/d/1wv8_NkAP_9UFhyrWaZEdTLLzIYbI95U6/view?usp=drivesdk

- ❖ Step 1: Click on the Pause button while Seeding Job Execution



- ❖ Step 2: The Pause button changes to Resume button as shown below but the job gets cancelled ,the bot moves to home

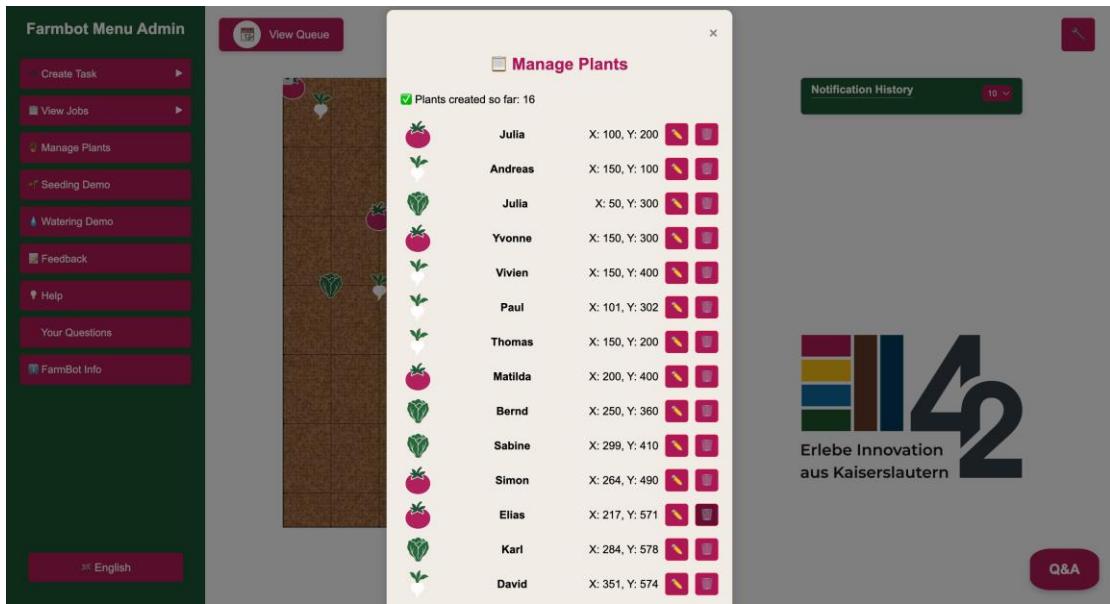
The screenshot shows the FarmBot Admin interface. On the left, the 'FarmBot Menu' sidebar includes options like 'Create Task', 'View Queue', 'Status: Fetching', and a large 'Manage Plants' section which is currently selected. The main area displays a 10x10 grid of plants, including tomatoes, radishes, and cabbages. In the top right corner, there is a 'Notification History' box showing a log of events, and a 'Q&A' button in the bottom right.

◆ Manage Plants

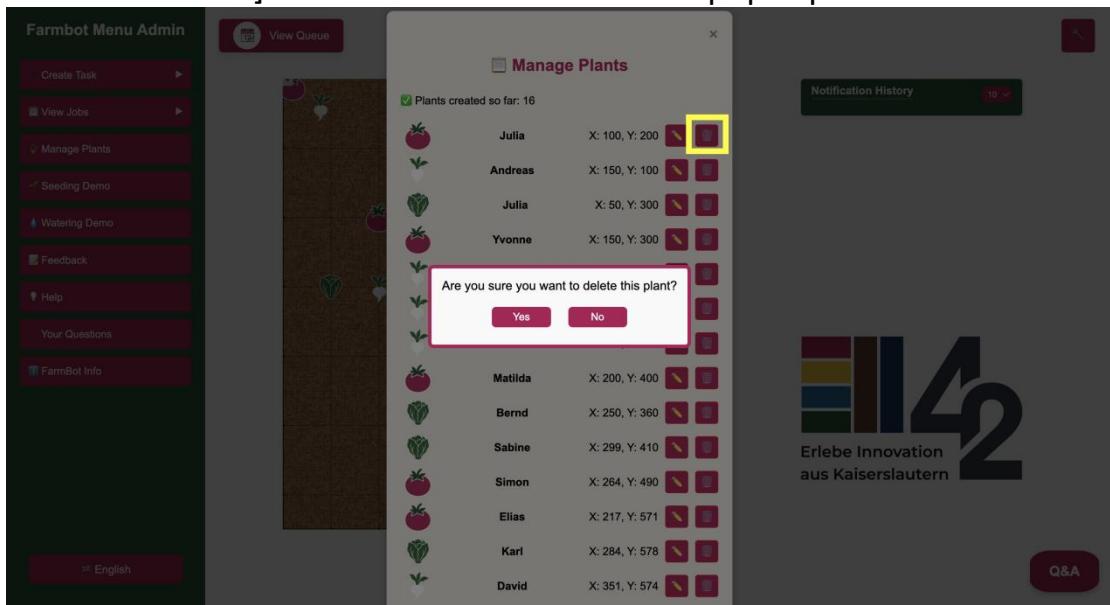
- ❖ Step 1: Click on Manage Plants under Farmbot Admin Menu

This screenshot is similar to the previous one but with a yellow highlight around the 'Manage Plants' option in the sidebar. The rest of the interface, including the plant grid and notification history, remains the same.

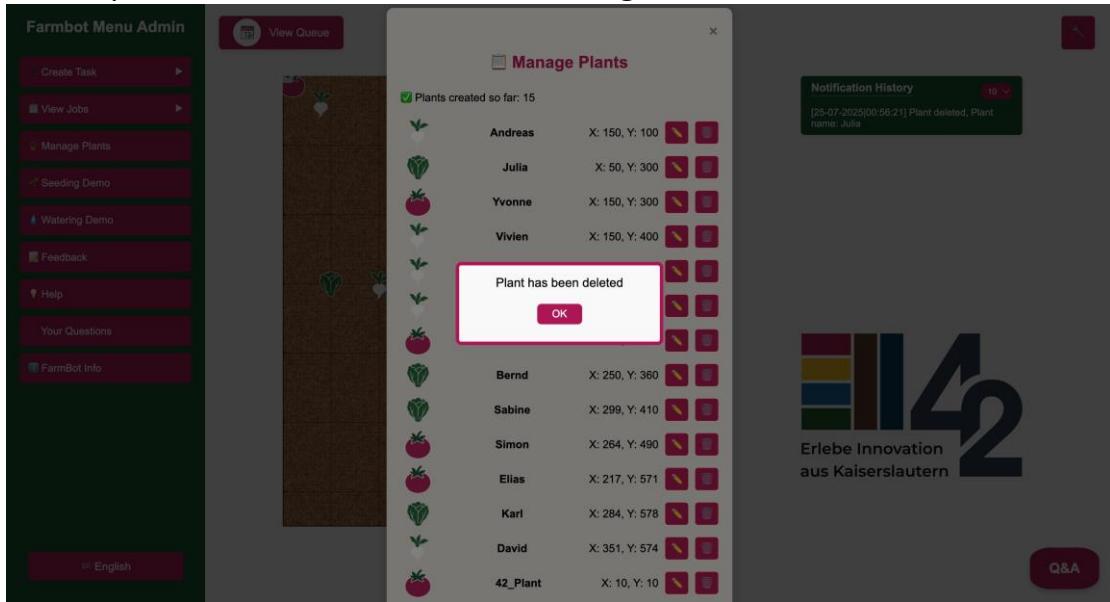
- ❖ Step 2: User can edit[Plant name only] or delete any Plant from the list



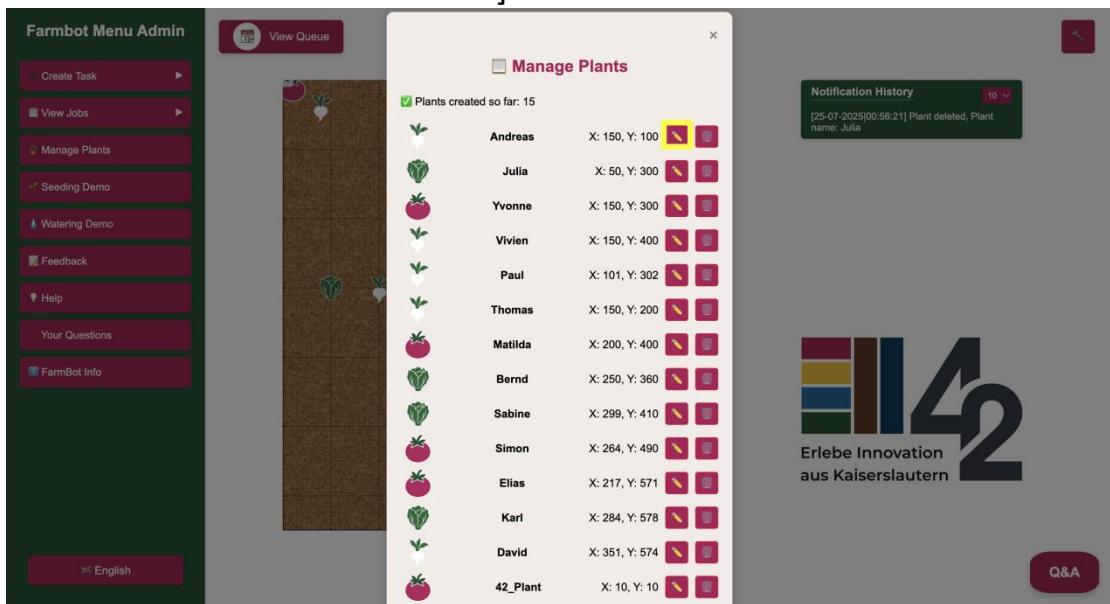
- ❖ Step 3: Delete the first plant Julia from the list[Click on delete Icon for Julia] a CustomConfirmation Alert pops up



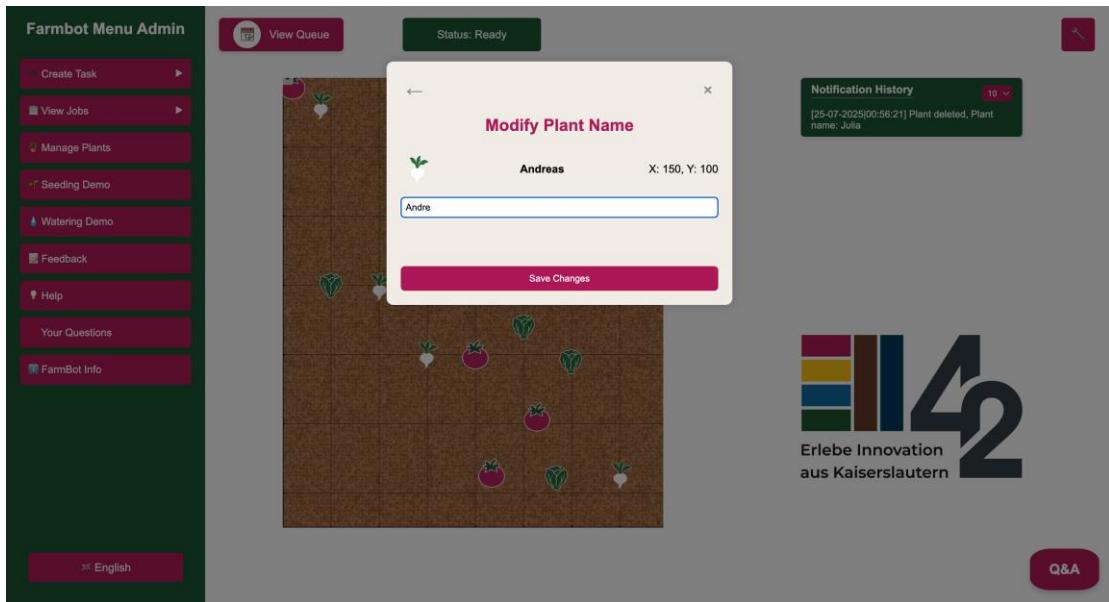
- ❖ Step 4: Click on Yes and see the changes[Plant has been deleted]



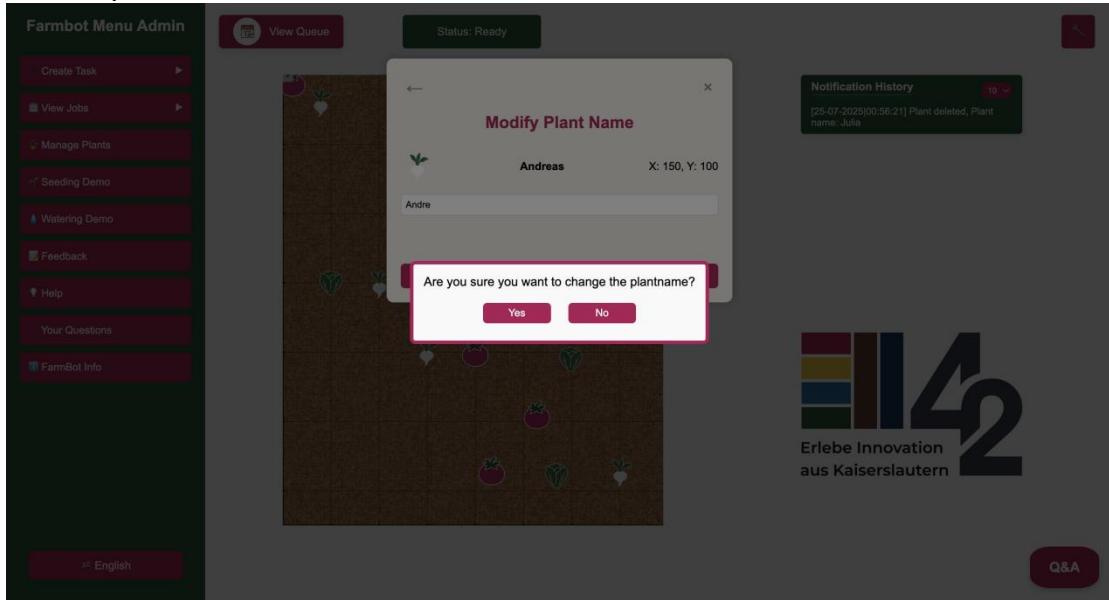
- ❖ Step 5: Click on a plant edit button and change the name [lets choose Andreas from the list]



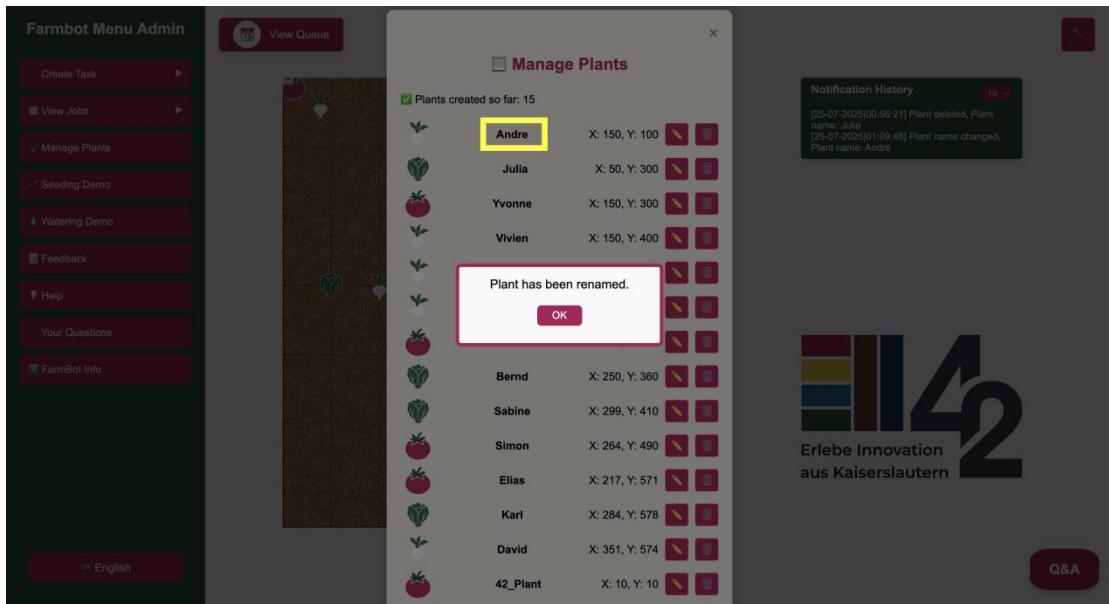
- ❖ Step 6: See the new modal for edit[Change the name from Andreas to Andre]



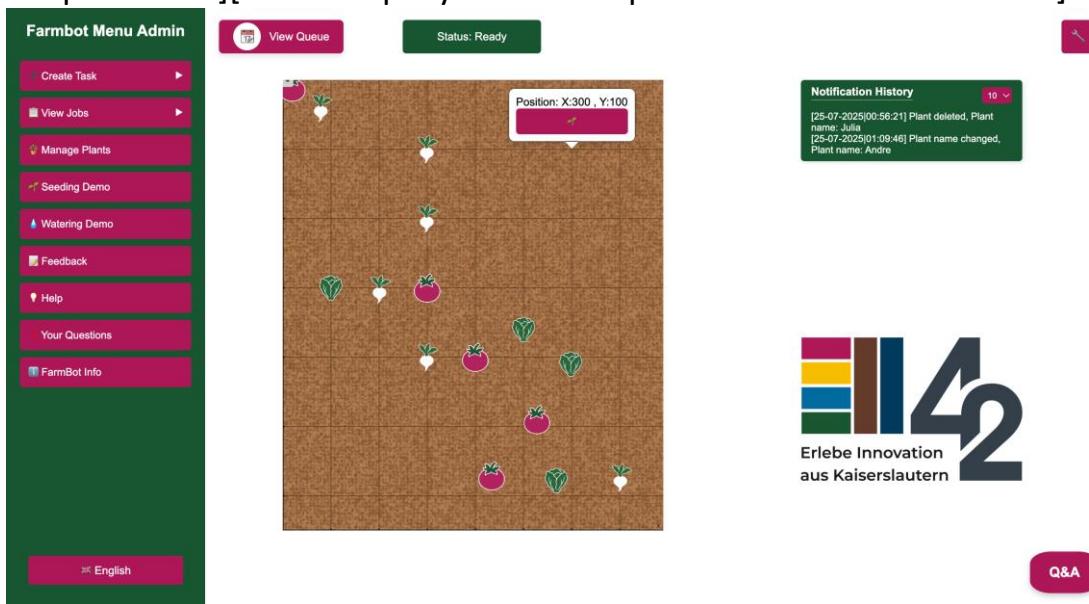
❖ Step 7: Click on Yes for CustomAlert Confirmation



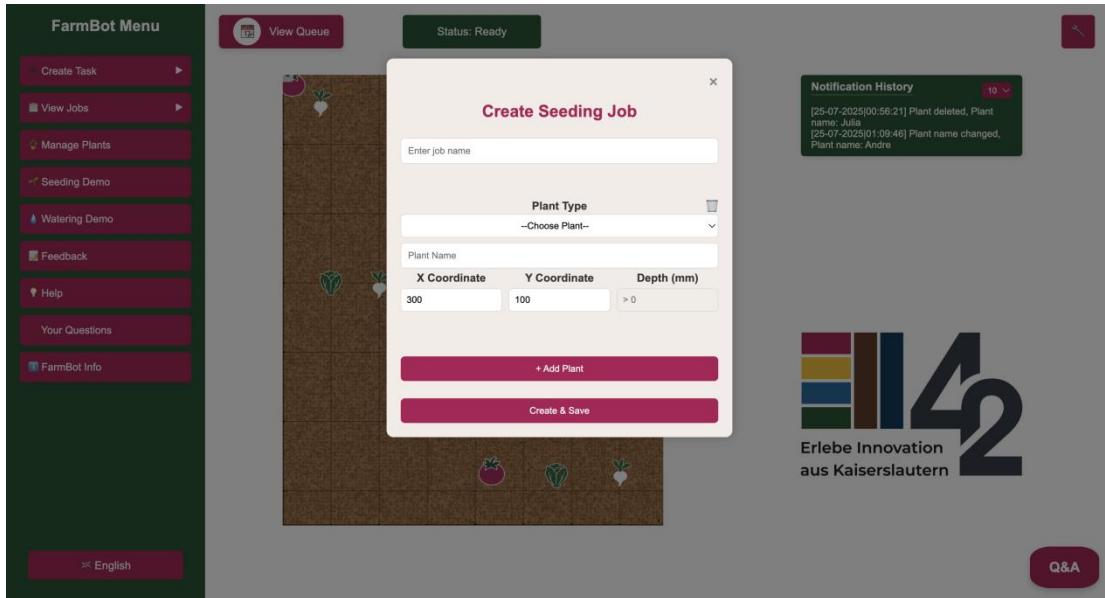
❖ Step 7: See the changed List



- ◆ Create Seeding Job directly on Grid
 - ❖ Step 1: Click on an empty place on the grid which is not close to other seeds planted[As that can create an overlapping of seed plantation][For example you want to plant a seed at X=300 Y=100]



- ❖ Step 2: Click on the plant icon just below the coordinates [Same Create seeding job modal pops up but with the X coordinates and Y coordinates already populated]

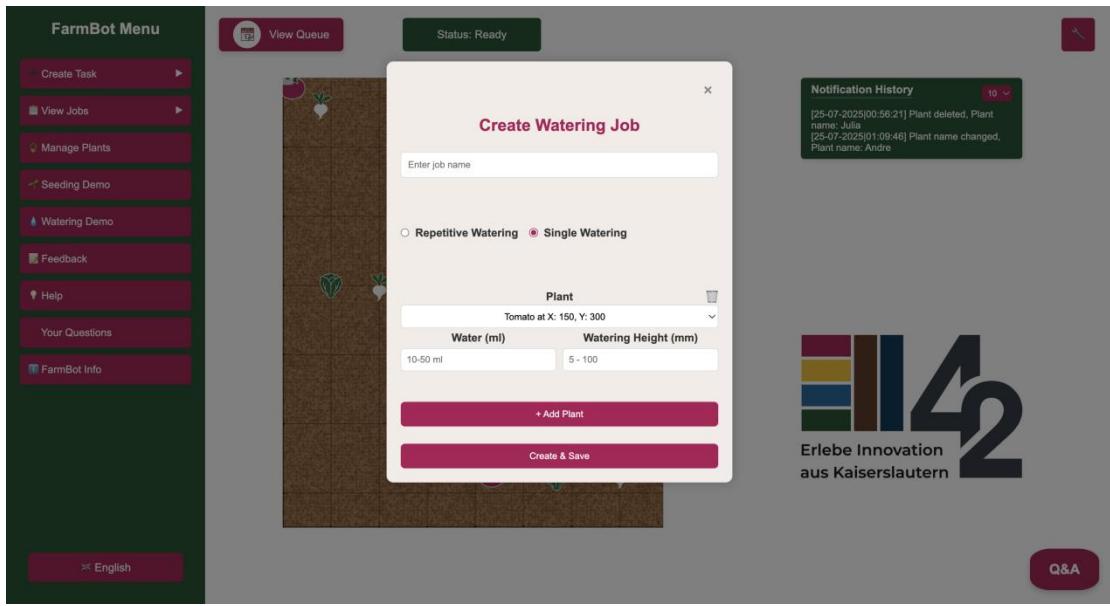


- ❖ Step 3: Just complete the modal with necessary fields as shown in **Create seeding job** then your seeding job will be saved

- ◆ Create Watering Job directly on Grid
 - ❖ Step 1: Click on a plant icon directly [Let's choose Yvonne at X=150 Y=300]



- ❖ Step 2: Click on water droplet icon to create a watering Job



- ❖ Step 3: Complete the modal as did in **Create Watering Job** and click on Create & Save

