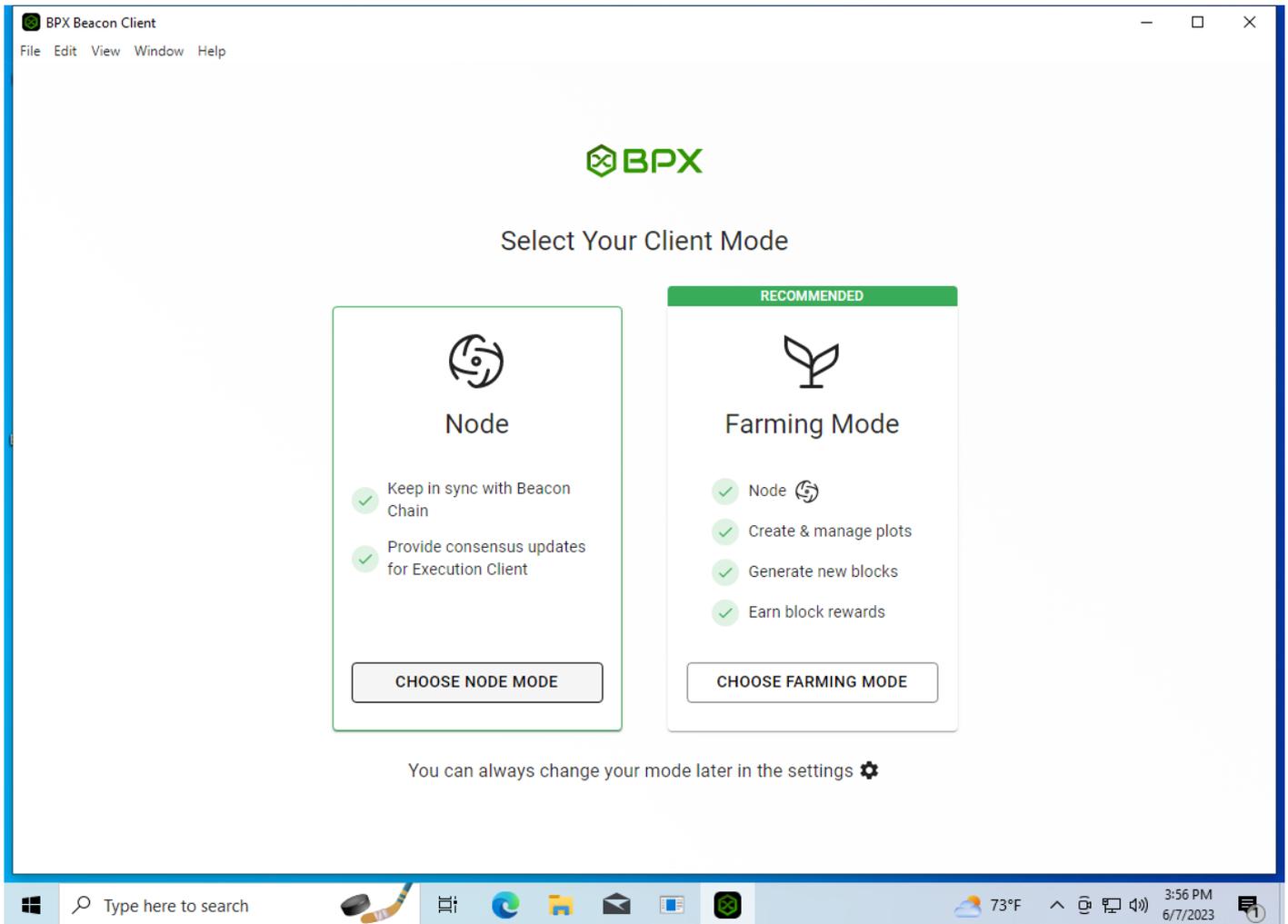


# Farming

- [Farming BPX on Windows](#)
- [Farming BPX on Debian / Ubuntu](#)

# Farming BPX on Windows

1. To start farming you need a working and synchronized full node. If you don't already have it, [follow all the steps of this tutorial first](#), but in the step from screenshot below, choose **Farming Mode** instead. Then go to the Step 4.



2. If you already have running full node go to Settings and switch the working mode to Farming.



# Beacon Client

Status <sup>?</sup> <b>Synced</b>	Connection Status <b>Connected</b>	Network Name <b>mainnet</b>
Peak Height <b>77,927</b>	Last Block Time <sup>?</sup> <b>June 8, 2023 11:10 AM</b>	Difficulty <b>18</b>
VDF Sub Slot Iterations <b>27,262,976</b>	Total Iterations <sup>?</sup> <b>58,972,370,675</b>	Estimated Network Space <sup>?</sup> <b>131.374 PiB</b>

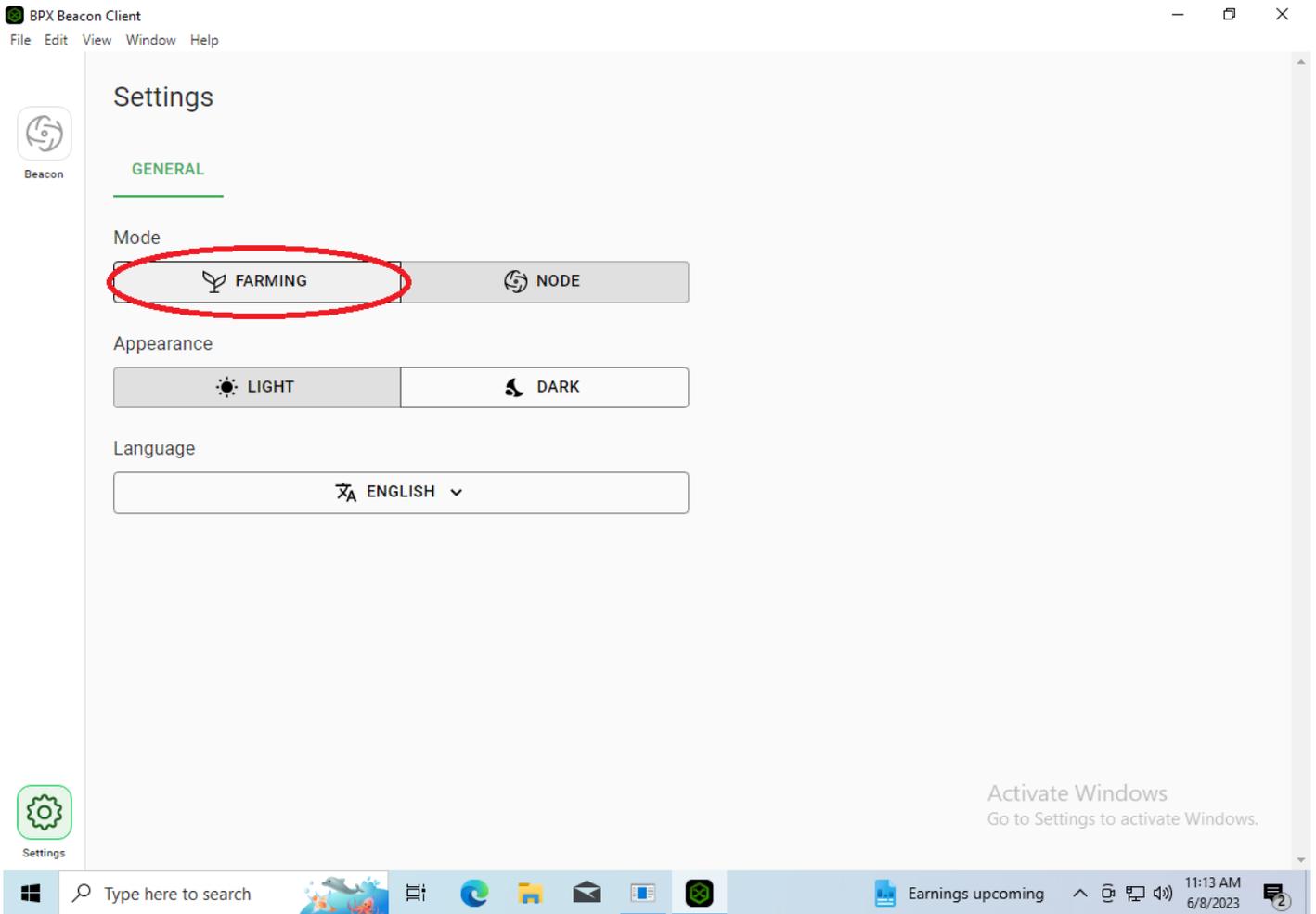
## Blocks

Search block by header hash

Header Hash	Height	Time Created	State
0x15b513d294a3eb75062cbf978bec7618b09f8cfdeb...		June 8, 2023 11:10 AM	Unfinished
0x6d1a38ba1260ac92b2e4969573ef29961b1e84f6cef...	77,927		Finished
0x9c499ce7cdb53b4cdd0b151faf852f75dfa73d9fe115...	77,926	June 8, 2023 11:10 AM	Finished



Activate Windows  
Go to Settings to activate Windows.



3. Wait for the additional processes needed for farming to start. You need to confirm opening the port on the Windows firewall, just like during the installation.



Starting services

Farmer  
Harvester

Activate Windows  
Go to Settings to activate Windows.

Windows taskbar showing search bar, task view, Edge, File Explorer, Mail, and the BPX Beacon Client icon. System tray includes weather (65°F Partly sunny), volume, and date/time (11:14 AM 6/8/2023).

4. Go to the **Farming** tab. Expand the menu in upper right corner and select **Manage farming rewards**.

BPX Beacon Client  
File Edit View Window Help

Beacon  
Plots  
Farming  
Settings

## Your Farm Overview



Farmers earn block rewards and transaction fees by committing spare space to the network to help secure transactions. This is where your farm will be once you add a plot.

[ADD A PLOT](#)

Do you have existing plots on this machine? [Add Plot Directory](#)

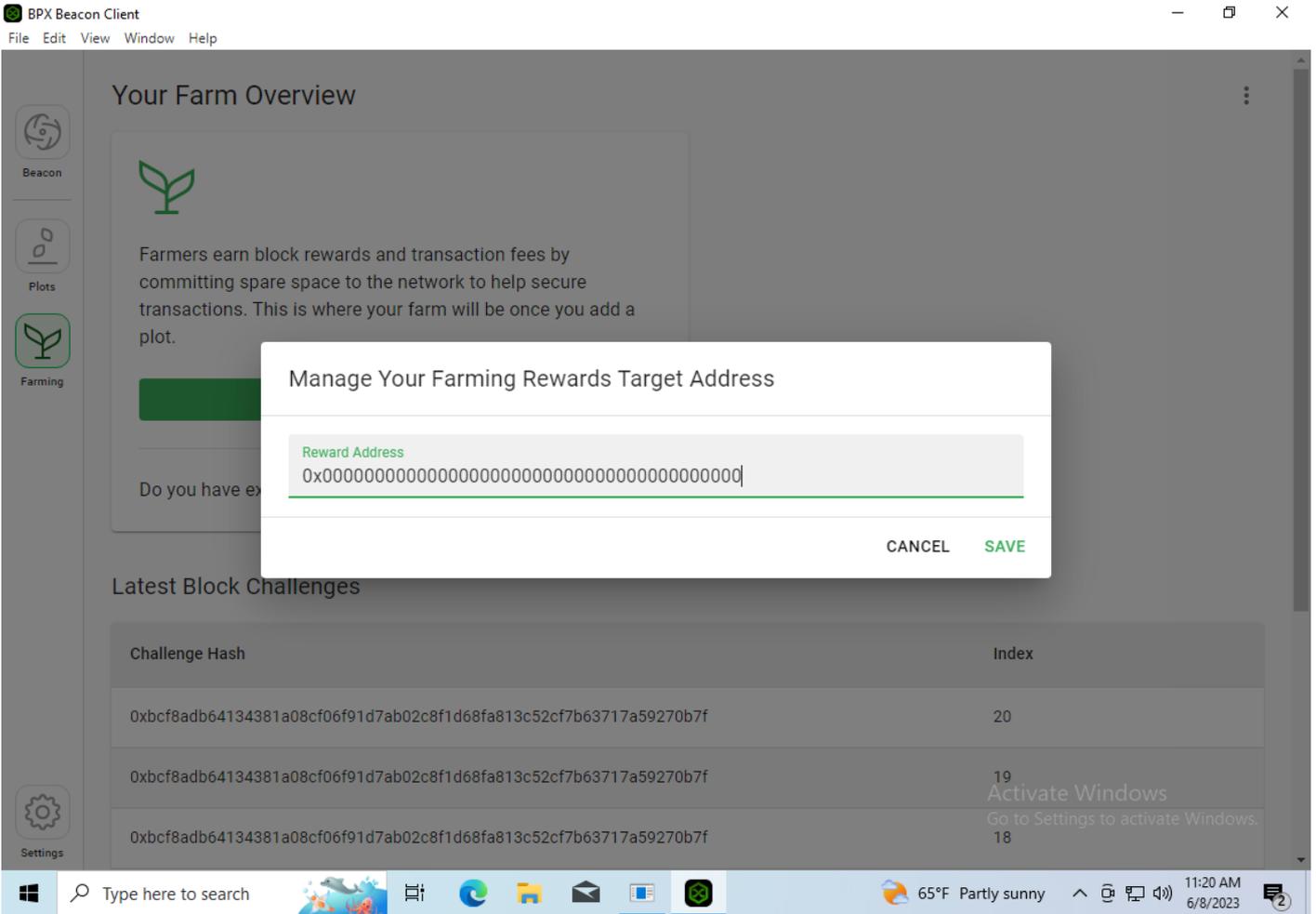
### Latest Block Challenges

Challenge Hash	Index
0xbcf8adb64134381a08cf06f91d7ab02c8f1d68fa813c52cf7b63717a59270b7f	6
0x7f3ed3371ae73dbbe7a21777b5a1557f95e4d32996777362ed604c242d5e453b	46
0x7f3ed3371ae73dbbe7a21777b5a1557f95e4d32996777362ed604c242d5e453b	47

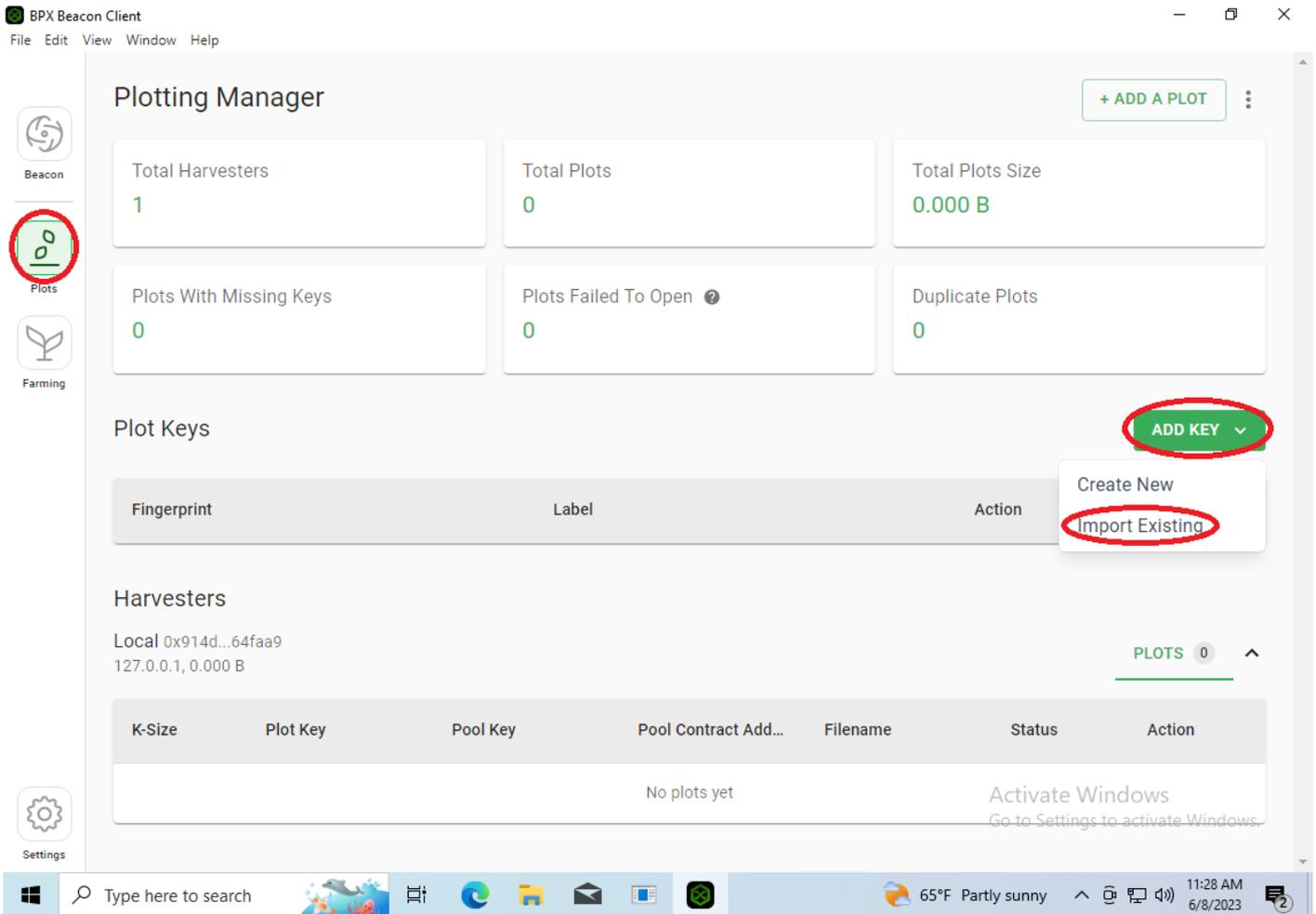
[Manage Farming Rewards](#)

65°F Partly sunny 11:18 AM 6/8/2023

5. Delete the default null address and paste there your BPX wallet address, e.g. Metamask. You will be receiving all farming rewards to this address. Click **Save**.



6. Go to the **Plots** tab. Expand the **ADD KEY** menu and select **Import Existing**.



7. Enter the mnemonics that were used to create your plots and click **Next**.



Beacon



Plots



Farming



Settings

# Import Key from Mnemonics

Enter the 24 word mnemonic that you have saved in order to restore your keys.

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

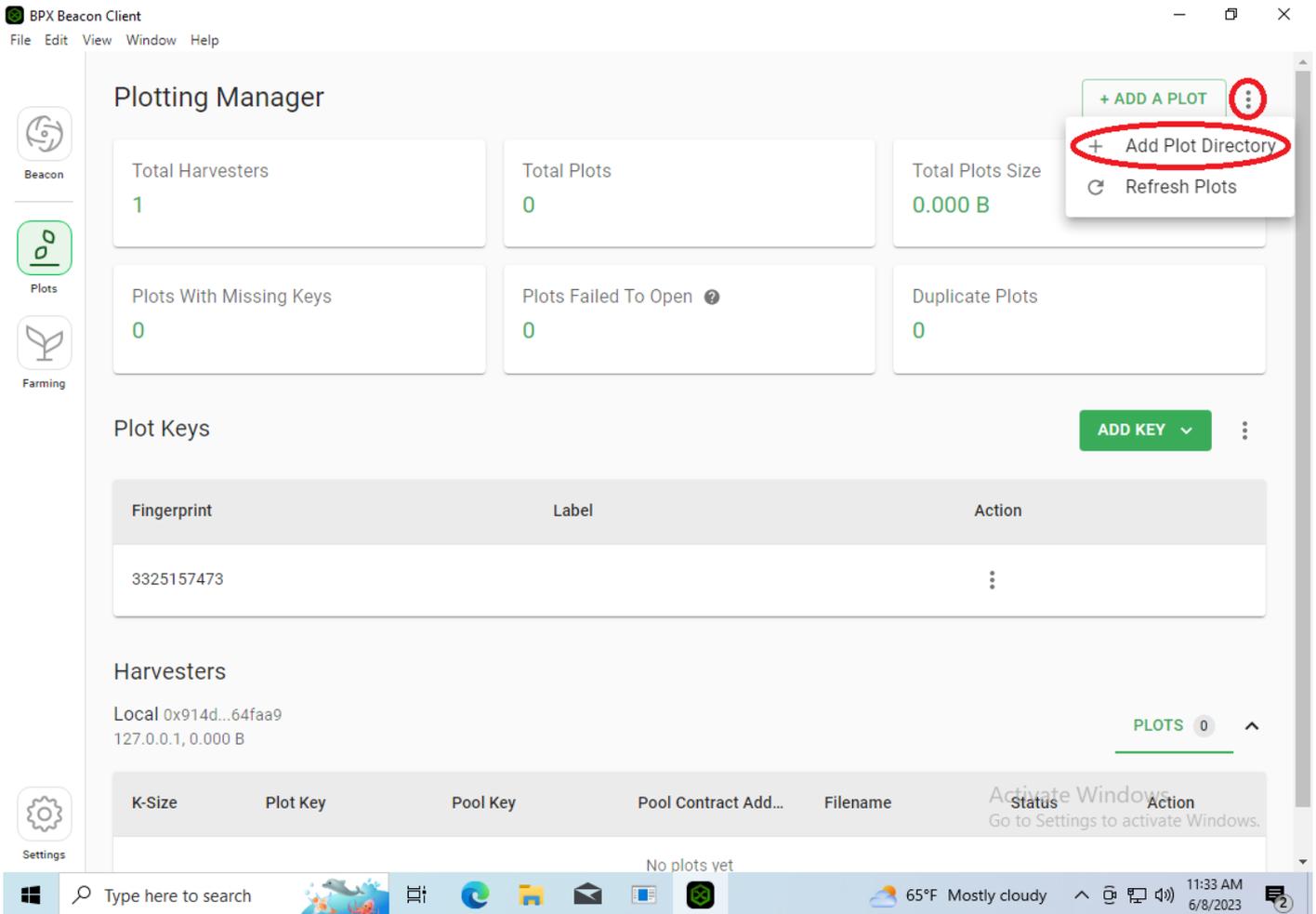
IMPORT FROM 12 WORD MNEMONIC

PASTE MNEMONIC

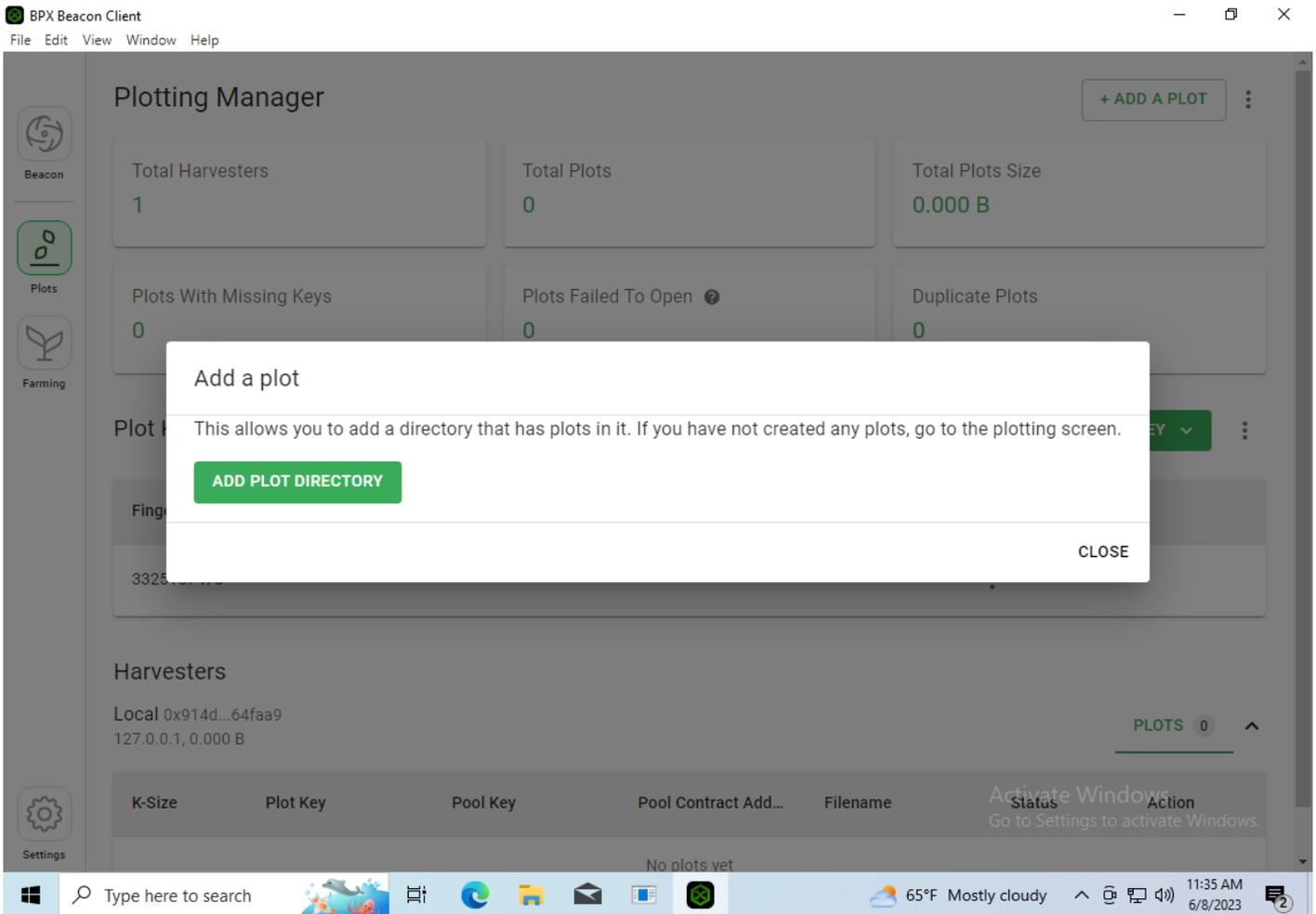
NEXT

Activate Windows  
Go to Settings to activate Windows.

8. Expand the menu in right top corner and select **Add Plot Directory**.



9. Use the **Add Plot Directory** button to add each folder where you have plots. When all directories are added, click **Close**.



10. Farming will start immediately after adding the first plots directory. You can check whether plots pass through the filter in the Farming tab. Sometimes it may be necessary to restart the BPX Beacon Client GUI for farming to start.



```
bpxv3@debian:~$ bpx plots add -d /mnt/hdd1
Successfully added: /mnt/hdd1
bpxv3@debian:~$ bpx plots add -d /mnt/hdd2
Successfully added: /mnt/hdd2
bpxv3@debian:~$ bpx plots add -d /mnt/hdd3
Successfully added: /mnt/hdd3
bpxv3@debian:~$ bpx plots add -d /mnt/hdd4
Successfully added: /mnt/hdd4
bpxv3@debian:~$ bpx plots add -d /mnt/hdd5
Successfully added: /mnt/hdd5
bpxv3@debian:~$ _
```

6. Press **Control + D** to log out and return to the root console.

7. Modify the beacon client service descriptor file using for example **nano** editor

```
nano /etc/systemd/system/bpx-beacon.service
```

Replace the line:

```
ExecStart=bpx start node
```

To:

```
ExecStart=bpx start node farmer
```

Save the file by pressing **Control + O** and close the editor with **Control + X**.

```
GNU nano 5.4 /etc/systemd/system/bpx-beacon.service *
[Unit]
Description=BPX Beacon Client

[Service]
Type=forking
User=bpxv3
ExecStart=bpx start node farmer
ExecStop=bpx stop -d all
Restart=always

[Install]
WantedBy=multi-user.target

[ Read 12 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line M-E Redo
```

8. Refresh startup services configuration

```
systemctl daemon-reload
```

9. Restart beacon client to run with the farmer enabled.

```
systemctl restart bpx-beacon
```

10. Your farmer is active and configured to automatically start on system boot. Use the commands below to check farming status.

```
su - bpxv3
bpx farm summary
```