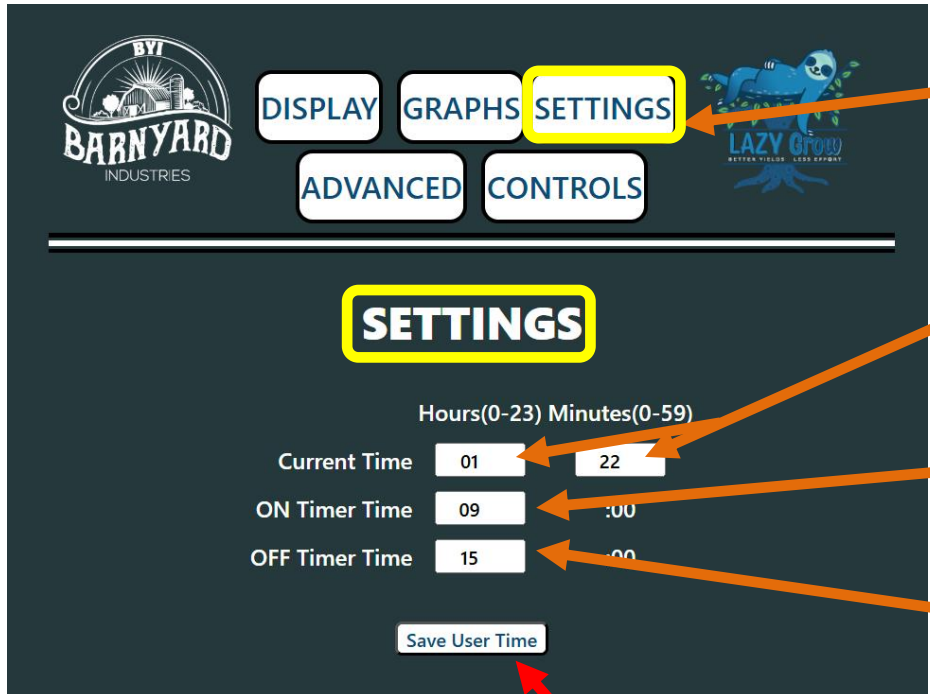


## Step 1: Set the current time & your ON/OFF times



The screenshot shows the Barnyard Industries Lazy Grow control interface. At the top, there are five buttons: DISPLAY, GRAPHS, SETTINGS (highlighted with a yellow box), ADVANCED, and CONTROLS. Below these is a large 'SETTINGS' button, also highlighted with a yellow box. Under the 'SETTINGS' button, there are three rows of time settings: 'Current Time' (01:22), 'ON Timer Time' (09:00), and 'OFF Timer Time' (15:00). Each row has a 'Hours(0-23)' and 'Minutes(0-59)' section. Below the time settings is a 'Save User Time' button. Arrows point from text boxes to these elements: 'Select SETTINGS' points to the SETTINGS button; 'Set the current time' points to the Current Time input fields; 'Set the ON time for when you wish to start dosing for the day' points to the ON Timer Time input fields; 'Set the OFF time for when you wish to end dosing for the day' points to the OFF Timer Time input fields; and 'Click Save User Time' points to the Save User Time button.

Select SETTINGS

Set the current time

Set the ON time for when you wish to start dosing for the day

Set the OFF time for when you wish to end dosing for the day

Click Save User Time  
You must press this button to save the data

Note: Setting ON to 00 & OFF to 00, means everything will run all the time



## Step 2: Set the current DAY of your growth cycle

**Growth Stages Input Data**

Current Day  in Growth Stage

Note: Changing the 'Current Day' will LOAD the related Growth Stage

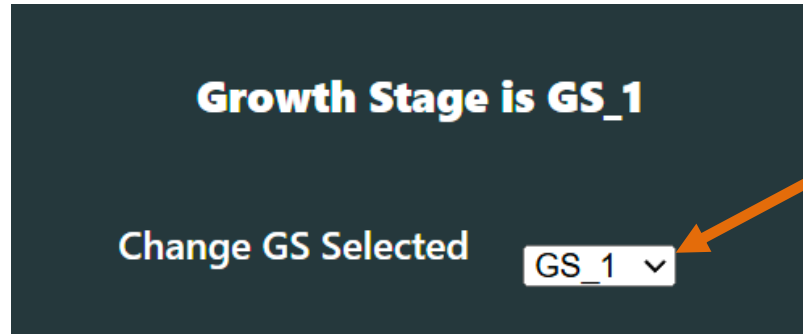
Click Save Day Change

You must press this button to save the data

For example, if just started a new season, set Current Day = 1.



## Step 3: Program your Growth Stage Data



Select GS\_1

This loads data

(It does NOT save data)

GS\_1 = load Growth Stage 1

GS\_2 = load Growth Stage 2

GS\_3 = load Growth Stage 3

Etc...



## Step 3: continued (Nutrient Details)

Growth Stage Name

Start Day  End Day

Period 1

Nutrient A Name

Nutrient A Added  in mL per Litre (dilution factor)

Nutrient B Name

Nutrient B Added  in mL per Litre (dilution factor)

Nutrient C Name

Nutrient C Added  in mL per Litre (dilution factor)

pH  control target

Nutrient EC addition (excluding water EC)

Nutrient A + B + C  ms/cm

**Input** your Growth Stage Name  
e.g. Vege, Flower, Fruit

**Input** your 'End Day' for the selected Grow Stage  
(Start Day is determined by previous Growth Stage End Day)

**Input** your Nutrients Name  
e.g. Canna Part A

**Input** your *Nutrient brand's dilution (mL per Litre)*  
*See the back of the bottle or their website grow charts*

*Alternatively, if you hand dose, you can calculate the dilution factor.*

Example

60 Litre reservoir

hand dosing 240mL Nut A

$240\text{mL} \div 60\text{L} = 4.00$

**Input** 4.00 in mL per Litre (dilution factor)

**Input** your Target pH

**Input** your Target EC



## Step 3: continued (Water Out)

Controls large amounts to flow from reservoir to waste.  
Typically used for maintenance & refreshing the reservoir water.  
Refreshing the reservoir water prevents nutrient lock-out and improves growth.

Turn OFF if you are not using water out

**Run to Waste**

Turn ON/OFF Run to Waste

Daily Total Used  % of Reservoir

Number of Times  per Day

FYI: Amount to 'Run-to-Waste' each time = Daily % of Reservoir divided by number of times  
'Run-to-Waste' only operates during 'ON Timer Time' and 'OFF Timer Time'

---

**Water Out**

Turn ON/OFF Water Out

Water Out  % of Reservoir

Water Out occurs every  day(s)

Select Time (0-23)  :00 Hours

FYI: 'Water Out' will operated at the selected time. Independent of the Timer.

'Water Out' counts the days from the 'Start Day' of the Growth Stage.

For multiple water removals from the reservoir each day use the 'Run-to-Waste'.  
Turn 'ON' and add total percentage of reservoir to be removed and number.  
*For example 12% with 8 times, means 1.5% of the reservoir is removed 8 times each day.*

Large single removal at a set time use 'Water Out'  
Turn 'ON'. Add the percentage and the number of days between water out occurrences.  
Every 14 days means WATER OUT will occur on the fourteenth day of the current grow stage.  
*Often used to coincide with the end of a growth stage and refresh water for the next growth stage.*

Click Save Grow Stage Data

You must press this button to save the data



## Step 4: Your system reservoir details

**Reservoir System Set-up Input Data**

System Water Volume  Litre

Water EC (no nutrients)  ms/cm

**Nutrients**

Nutrient A Nutrient Part 1 Bottle Volume  Litre

Nutrient B Nutrient Part 2 Bottle Volume  Litre

Nutrient C Nutrient Supplement A Bottle Volume  Litre

pH Bottle Volume  Litre

**Bench Mark of pH adjustment used in Reservoir**

Water pH  before

pH adjuster  mL added to your 120 Litre Reservoir

pH  after adjustment

[Save Reservoir System Data](#)

Input your reservoir size

Input your tap water EC

Input your bottle sizes

Input your *typical pH adjustment* for your RESERVOIR SIZE.

Example

60 Litre reservoir hand dosing 20mL pH adjuster changes from pH 7.0 to pH 6.0

Input Water pH 7.00 before

Input pH adjuster 20 mL added

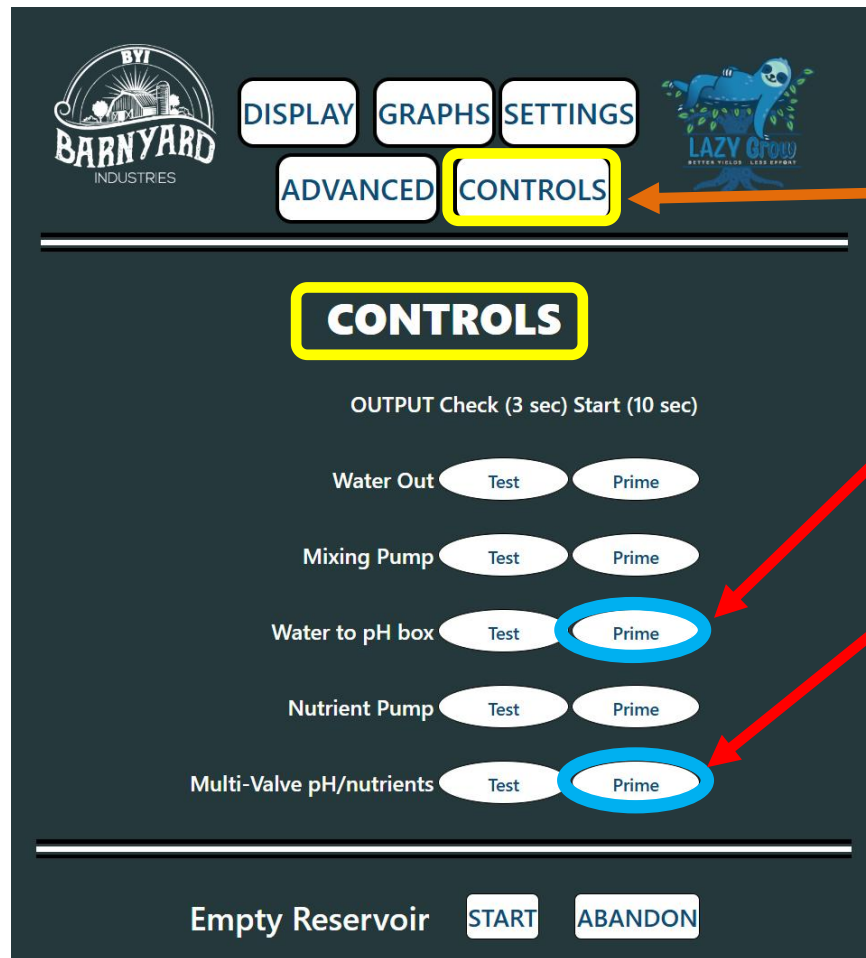
Input pH 6.00 after adjustment

Click Save

You must press this button to save the data



## Step 5: Fill the pipes and pH box



Select CONTROLS

Use the 'Prime' pH box to fill the pH sample box

Use the 'Prime' Multi-Valve button to fill pipes

When setting up use 'Prime' once.

Note: See the ADVANCE webpage to adjust pumps

