

Home Search Update Insert ▾

Advanced Search

Columns in Plants table are :

P_ID
P_ScientificName
P_Description
P_CommonName
Amount

Enter Column Name. Separate column names if searching multiple

Search

P_ScientificName	P_Description	P_CommonName	Amount
1	Lettuce is an annual plant of the daisy family, Asteraceae. It is most often grown as a leaf vegetable, but sometimes for its stem and seeds	Lettuce	50
2	The tomato is the edible, often red, berry. The species originated in western South America and Central America	Tomatoes	20
3	The garden strawberry is a widely grown hybrid species of the genus Fragaria	Strawberries	70
4	Spinach is a leafy green flowering plant native to central and western Asia	Spinach	60

ONE
OPTION
FOR
INSERT
QUERY

(WE HAVE
MORE IN
SUPPLIERS
TABLE)

Home Search Update Insert ▾

Add a Plant

To add a plant fill the information below:

Submit

To add a plant's observed growth rate [Click Here](#)

Home Search Update Insert ▾

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Advanced Search

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4	Spinach is a leafy green flowering plant native to central and western Asia	Spinach	60
5	Coriander is an annual herb in the family Apiaceae	Cilantro	200

localhost / 127.0.0.1 / hydrc

localhost/process-insertnutrient.php

Home Search Update Insert ▾

Plant Care Information

To add a nutrient fill the information below:

Select the appropriate category

<input type="text" value="6"/>	<input type="text" value="Sulfur"/>	<input type="text" value="Dust particles may be irritating to eye"/>
and necessary in the formation of chlorophyll		<input type="button" value="Submit"/>

localhost / 127.0.0.1 / hydrc

localhost/insertnutrients-query.php

Record for nutrient was inserted successfully

localhost / 127.0.0.1 / hydrc

localhost/phpmyadmin/sql.php?server=1&db=hydroponics+garden&table=nutrients&pos=0

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: hydroponics garden » Table: nutrients

Browse Structure SQL Search Insert Export Import Privileges Operations More

SELECT * FROM `nutrients`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	N_ID	IN_ID	N_Name	N_hazards	N_Description
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	5	Nitrogen	Excessive inhalation can cause dizziness, nausea, ...	Nitrogen is very important and needed for plant gr...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	4	Potassium	Inhalation of dust or mists can irritate the eyes,...	Potassium regulates the opening and closing of sto...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	3	Phosphorous	Too much phosphorus can cause increased growth of ...	Phosphorus plays a major role in the growth of new...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	2	Molybdenum	Acidic if touches skin, wear gloves	Molybdenum is essential for nitrogen-fixing. it is...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	2	Sulfur	Dust particles may be irritating to eye	sulfur is essential for nitrogen fixing nodule on ...

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

localhost / 127.0.0.1 / hydrc

localhost/process-insertnutrient.php

Home Search Update Insert ▾

Plant Care Information

To add a nutrient fill the information below:

Select the appropriate category Fertilizer

Nutrient ID	Nutrient Name	Nutrient Hazards
Nutrient Description		
Add any essentials minerals		
Macronutrient		4.5
<input type="button" value="Submit"/>		

Nitrogen
Potassium
Phosphorous
Molybdenum
Sulfur

Record for mineral was inserted successfully

localhost / 127.0.0.1 / h

localhost/phpmyadmin/sql.php?server=1&db=hydroponics+garden&table=essentialminerals&pos=0

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: hydroponics garden » Table: essentialminerals

Browse Structure SQL Search Insert Export Import Privileges Operations More

Showing rows 0 - 4 (5 total, Query took 0.0007 seconds.)

SELECT * FROM `essentialminerals`

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

NM_ID	EM_Type	EM_Concentration
1	Non-Metal	0.001
2	Macronutrient	0.0079
3	Macronutrient	1.4
4	Metal	5.6
6	Macronutrient	4.5

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Console Copy to clipboard Export Display chart Create view

JOIN

UPDATE QUERY

The screenshot shows a web application interface with a green floral background. At the top, there are tabs for Home, Search, Update, and Insert. Below the tabs, it says "Advanced Search". A list of columns in the Plants table is shown: P_ID, P_ScientificName, P_Description, P_CommonName, and Amount. There is a search bar with the placeholder "Enter Column Name. Separate column names if searching multiple" and a "Search" button. Below the search bar, a table displays plant data:

P_CommonName	P_Description
Lettuce	Lettuce is an annual plant of the daisy family, Asteraceae. It is most often grown as a leaf vegetable, but sometimes for its stem and seeds
Tomatoes	The tomato is the edible, often red, berry. The species originated in western South America and Central America
Strawberries	The garden strawberry is a widely grown hybrid species of the genus Fragaria
Spinach	Spinach is a leafy green flowering plant native to central and western Asia
Cilantro	Cilantro is an annual herb in the family Apiaceae

Below the table, there are sections for updating and deleting plants:

- "Update the plant description using the common name": A dropdown menu set to "Lettuce" and a text input field containing "Lettuce is native range spreads from the Med".
- "Remove a plant using its common name": A dropdown menu set to "Cilantro" and a "Delete" button.

A message at the bottom of the page reads "Record updated successfully".

Advanced Search

The screenshot shows the same web application interface as the previous one, but with updated data in the table. The table now includes the new description for Lettuce:

P_CommonName	P_Description
Lettuce	Lettuce is native range spreads from the Mediterranean to Siberia
Tomatoes	The tomato is the edible, often red, berry. The species originated in western South America and Central America
Strawberries	The garden strawberry is a widely grown hybrid species of the genus Fragaria
Spinach	Spinach is a leafy green flowering plant native to central and western Asia
Cilantro	Cilantro is an annual herb in the family Apiaceae

DIVISION QUERY

localhost / 127.0.0.1 / h X localhost / 127.0.0.1 / hydroponics+garden&table=nutrients&pos=0

phpMyAdmin

Recent Favorites

- New
- hydroponics garden
 - New
 - essentialminerals
 - growthrate
 - inventory
 - lighting
 - need
 - nutrients
 - planthas
 - requires
 - water
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test
- zagi

Server: 127.0.0.1 » Database: hydroponics garden » Table: nutrients

Browse Structure SQL Search Insert Export Import Privileges Operations More

Showing rows 0 - 4 (5 total, Query took 0.0013 seconds.)

SELECT * FROM `nutrients`

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	N_ID	IN_ID	N_Name	N_hazards	N_Description
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	5	Nitrogen	Excessive inhalation can cause dizziness, nausea, ...	Nitrogen is very important and needed for plant gr...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	4	Potassium	Inhalation of dust or mists can irritate the eyes,...	Potassium regulates the opening and closing of sto...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	3	Phosphorous	Too much phosphorus can cause increased growth of ...	Phosphorus plays a major role in the growth of new...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	2	Molybdenum	Acidic if touches skin, wear gloves	Molybdenum is essential for nitrogen-fixing. it is...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	2	Sulfur	Dust particles may be irritating to eye	sulfur is essential for nitrogen fixing nodule on ...

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

localhost / 127.0.0.1 / hydroponics+garden X localhost / 127.0.0.1 / hydroponics+garden

localhost / 127.0.0.1 / hydroponics+garden X localhost/processupdate-nutrient.php

Home Search Update Insert ▾

Update the nutrients hazards using the nutrient name

Nutrient Name: Nitrogen

Nutrient hazards: no hazards

Search

Update the essential minerals concentration using the mineral type

Mineral Type: Metal

Concentration: Enter new concentration

Search

Update the water temperature using the nutrient name

Nutrient Name: Nitrogen

Record updated successfully

localhost / 127.0.0.1 / h X localhost / 127.0.0.1 / hydroponics+garden&table=nutrients&pos=0

phpMyAdmin

Recent Favorites

- New
- hydroponics garden
 - New
 - essentialminerals
 - growthrate
 - inventory
 - lighting
 - need
 - nutrients
 - planthas
 - requires
 - water
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test
- zagi

Server: 127.0.0.1 » Database: hydroponics garden » Table: nutrients

Browse Structure SQL Search Insert Export Import Privileges Operations More

Showing rows 0 - 4 (5 total, Query took 0.0013 seconds.)

SELECT * FROM `nutrients`

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	N_ID	IN_ID	N_Name	N_hazards	N_Description
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	5	Nitrogen	no hazards	Nitrogen is very important and needed for plant gr...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	4	Potassium	Inhalation of dust or mists can irritate the eyes,...	Potassium regulates the opening and closing of sto...
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<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	2	Sulfur	Dust particles may be irritating to eye	sulfur is essential for nitrogen fixing nodule on ...

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

PROJECTION QUERY

Home Search Update Insert ▾

Advanced Search

Columns in Plants table are :

P_ID
P_ScientificName
P_Description
P_CommonName
Amount

Enter Column Name. Separate column names if searching multiple P_ID P_ScientificName , P_Description , P_C

Search

localhost / 127.0.0.1 / hydrc localhost localhost Windows Ink Workspace

localhost/advancesearch-query.php

P_ScientificName	P_Description	P_CommonName	Amount
1	Lettuce is an annual plant of the daisy family, Asteraceae. It is most often grown as a leaf vegetable, but sometimes for its stem and seeds	Lettuce	50
2	The tomato is the edible, often red, berry. The species originated in western South America and Central America	Tomatoes	20
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Home Search Update Insert ▾

Advanced Search

Columns in Plants table are :

P_ID
P_ScientificName
P_Description
P_CommonName
Amount

Enter Column Name. Separate column names if searching multiple P_ID P_ScientificName , P_Description , P_C

Search

P_ScientificName	P_Description	P_CommonName	Amount
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ONE OPTION OF
DELETE QUERY

WE HAVE MORE ON
SUPPLIER

localhost / 127.0.0.1 / hydrc localhost / 127.0.0.1 / hydrc +

localhost/processupdate-plant.php

Home Search Update Insert ▾

Update the plant description using the common name

Plant Common Name Cilantro

Plant Description Enter new Description

Search

Remove a plant using its common name

Plant Common Name

Cilantro
Strawberries
Lettuce
Tomatoes
Spinach

Delete

localhost / 127.0.0.1 / hydrc localhost / 127.0.0.1 / hydrc +

localhost/deleteplant-query.php

Record deleted successfully

Home Search Update Insert ▾

Advanced Search

Columns in Plants table are :

P_ID
P_ScientificName
P_Description
P_CommonName
Amount

Enter Column Name. Separate column names if searching multiple P_ID P_ScientificName , P_Description , P_C

Search

P_CommonName	P_Description
Lettuce	Lettuce is an annual plant of the daisy family, Asteraceae. It is most often grown as a leaf vegetable, but sometimes for its stem and seeds
Tomatoes	The tomato is the edible, often red, berry. The species originated in western South America and Central America
Spinach	Spinach is a leafy green flowering plant native to central and western Asia
Cilantro	Lettuce native range

ANOTHER OPTION FOR SELECT QUERY

The screenshot shows two separate browser windows side-by-side, both displaying a "Search Plants" page.

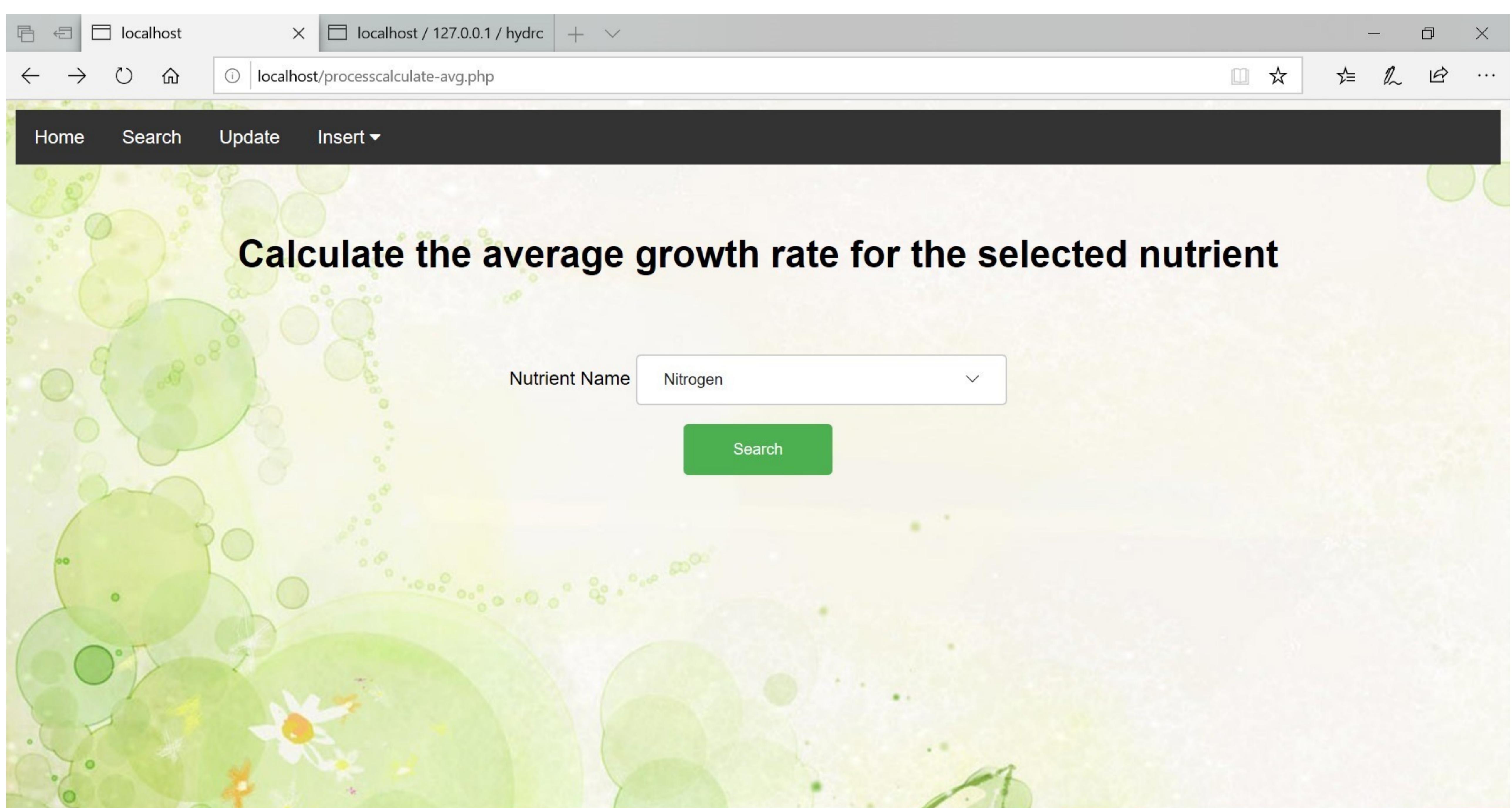
Top Window (localhost/search-query.html):

- Header:** Home, Search, Update, Insert ▾
- Title:** Welcome to the Search Plants Page
- Search by Scientific Name:**
 - Enter scientific name here:
 - Search button
- Search by common Name:**
 - Enter common name here:
 - Search button

Bottom Window (localhost/search-query.php):

PlantID	ScientificName	Description	CommonName	Inventory	Amount	Length	Growth
1	Lactuca sativa	Lettuce is an annual plant of the daisy family, Asteraceae. It is most often grown as a leaf vegetable, but sometimes for its stem and seeds	Lettuce	50		10.1	

AGGREGATED QUERY



localhost / 127.0.0.1 / hydrc

localhost/processcalculate-avg.php

Home Search Update Insert ▾

Calculate the average growth rate for the selected nutrient

Nutrient Name: Nitrogen

Search

localhost / 127.0.0.1 / hydrc

localhost/calculateavg-query.php

N_Name	AVG(growthrate.LengthGrowth)
Nitrogen	7.65

Calculate the average growth rate for the selected nutrient

Nutrient Name:

Calculate the average growth rate for a number of plants greater than or equal to 2

NutrientName	AverageGrowth
Nitrogen	7.175
Potassium	7.8

[NESTED AGGREGATED QUERY](#)