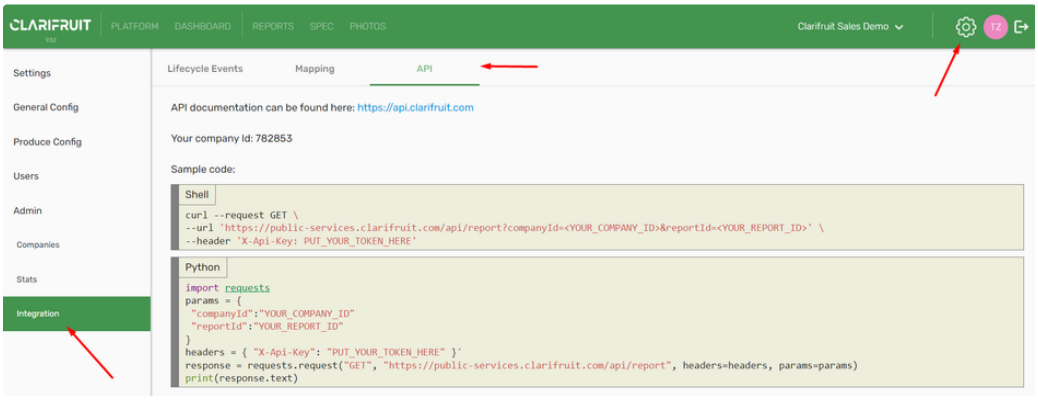
Report API - CSV response

Clarifruit offers a CSV response API. This is a great baseline integrating with BI tools like Power BI, Tableau, and others.

Here is how the magic happens:

- First to go Admin → Integration → API.

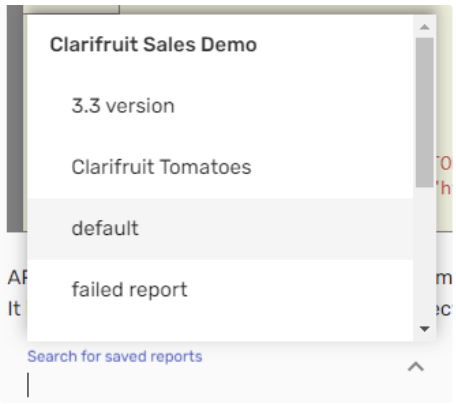
(At the moment this is accessible for Clarifruit only, soon to be exposed to our admins)

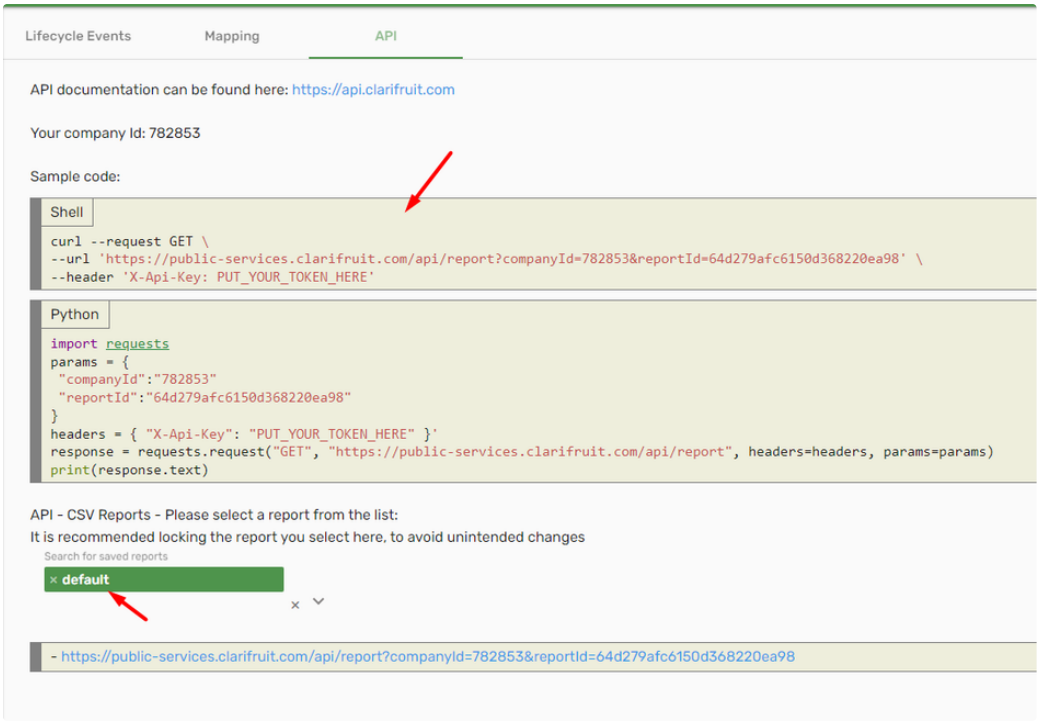


- Now, on this page, all you have to do is choose the relevant report from your report list.

If you don't have any saved reports, please go ahead and create your report from the reports tab.

- Now, once choosing the relevant report, the Shell command would get updated automatically with the selected report ID.





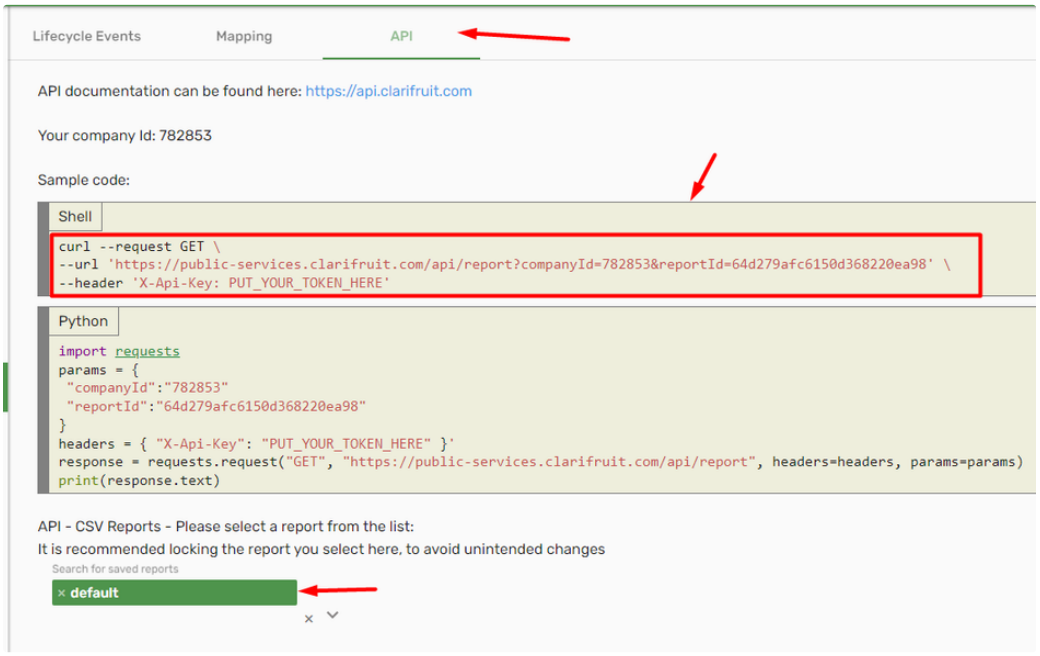
- All you need to do now is copy the curl request and use it in the destination platform.
- Please make sure to use your token, and put it in the right place.
- Here, you need to put your token that belongs to your API user account, provided to you by Clarifruit.

`--header 'X-Api-Key: PUT_YOUR_TOKEN_HERE'`

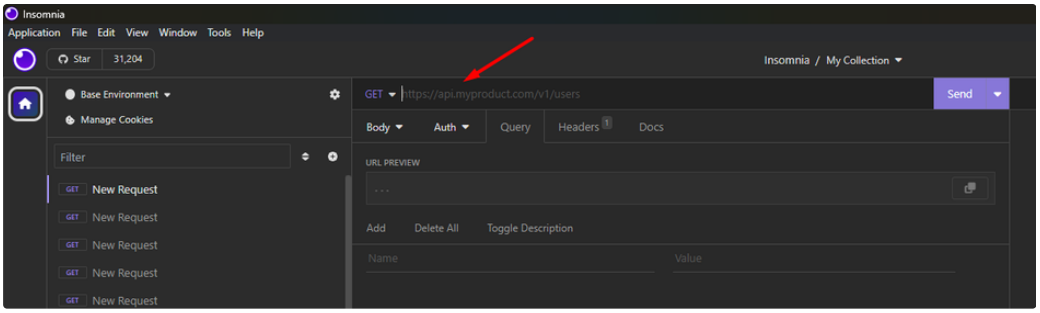
- You can test your example with API platforms like Postman, and Insomnia.

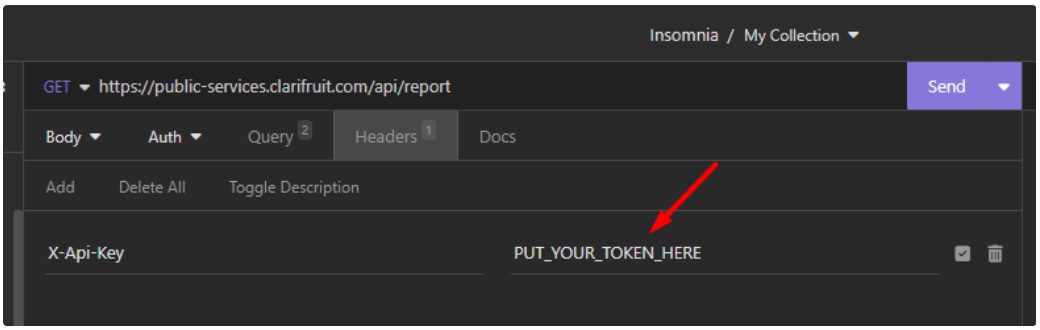
With Insomnia it's the easiest, all you need to do is copy the curl from Clarifruit and paste it.

- Copy this curl request:

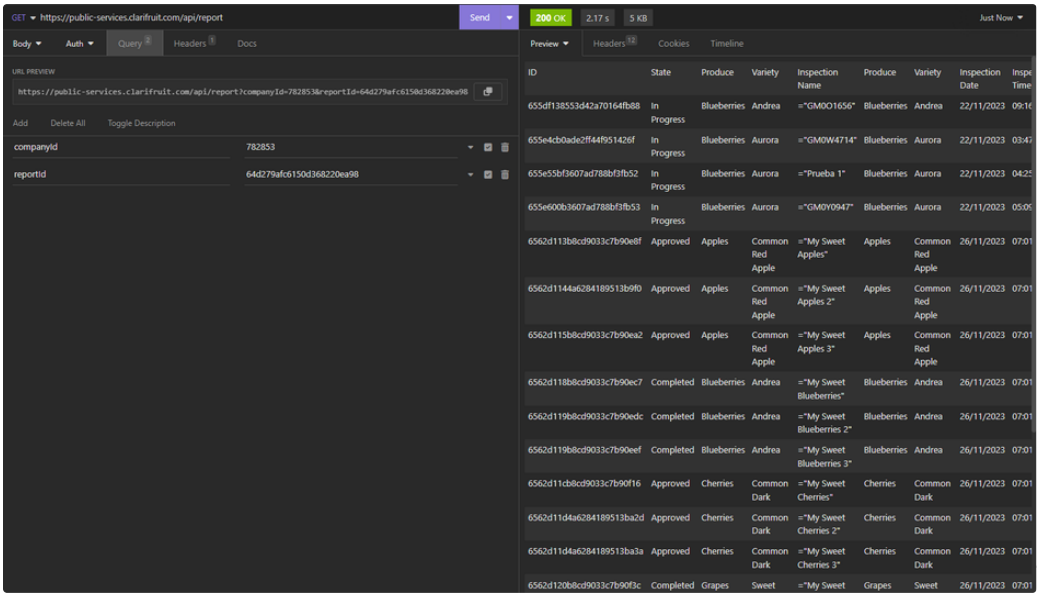


- Paste it here:



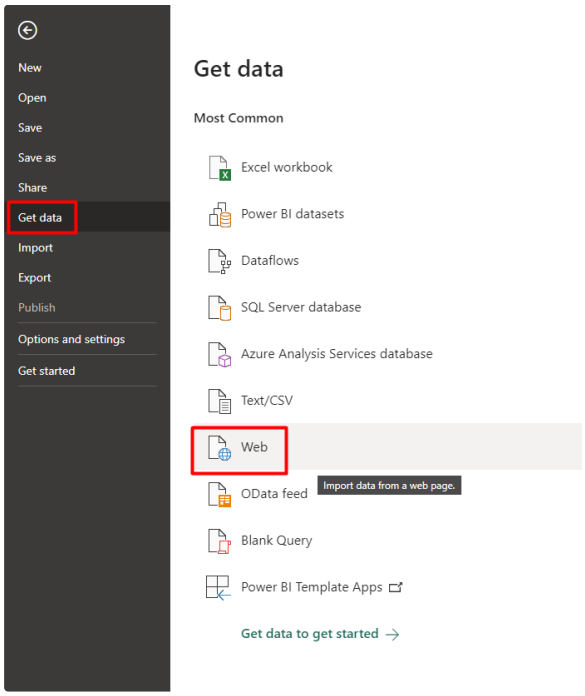


- Go to the headers and replace the token value.
- That's it, you can click Send, and you should get your results - like here.

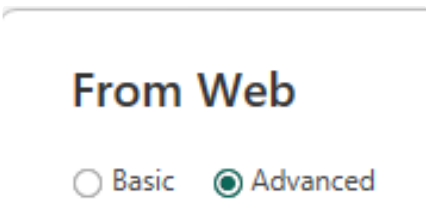


Now let's see how to connect to Power BI using our example report.

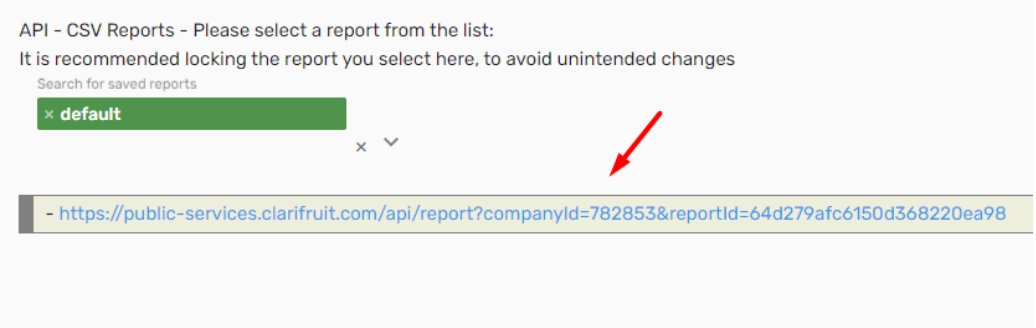
- First, connect to your Power BI Desktop App.
- Click on File → Get Data → Web

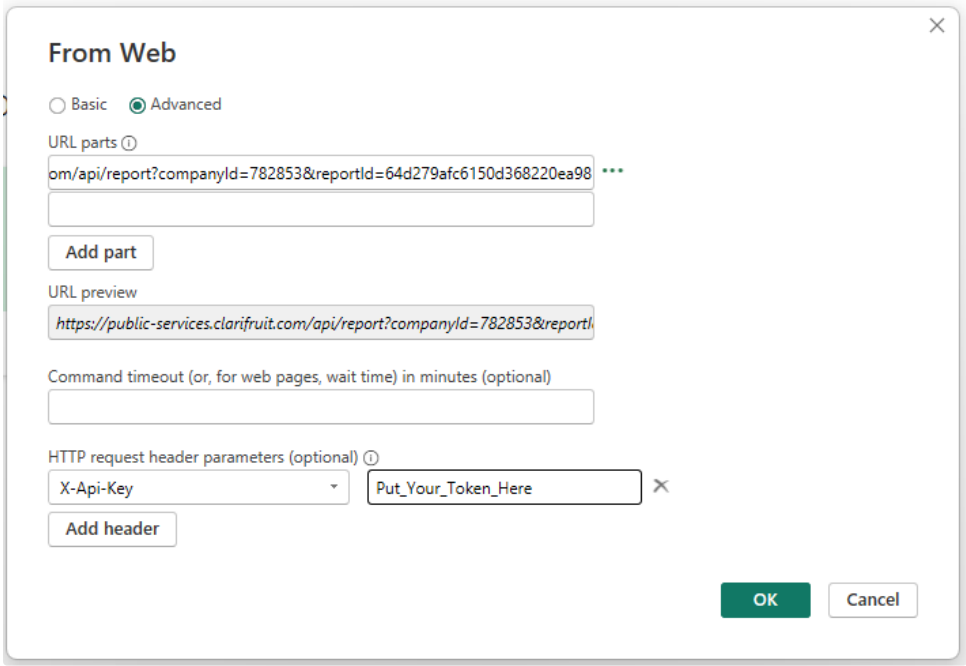


Choose Advanced:

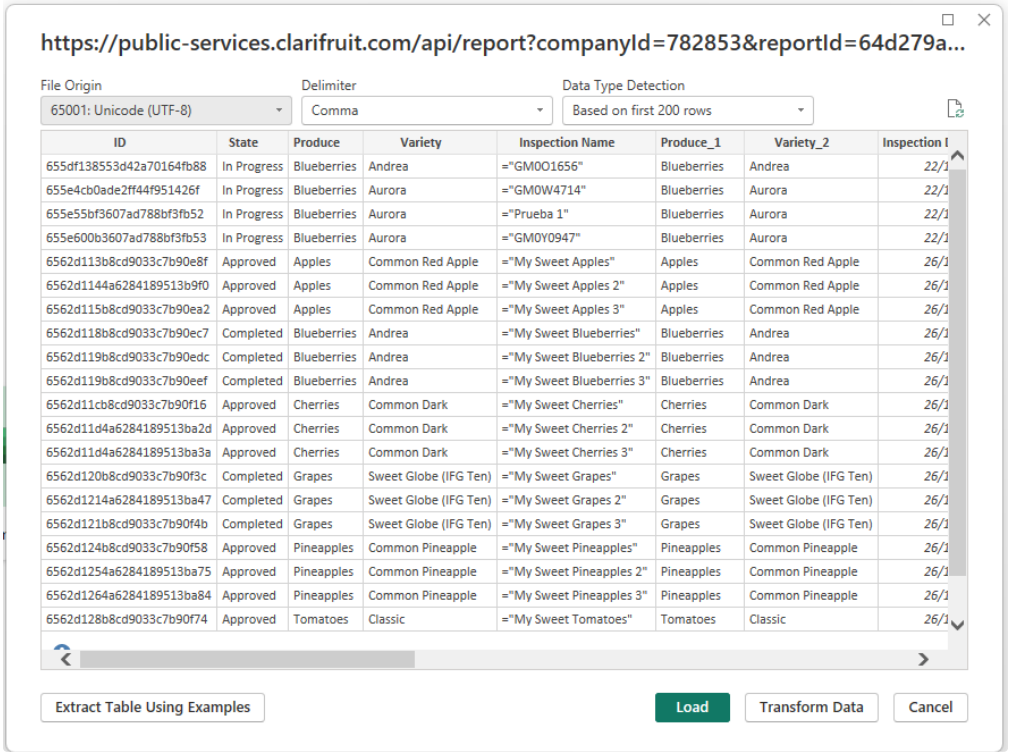


- Now, put the URL of your selected report:



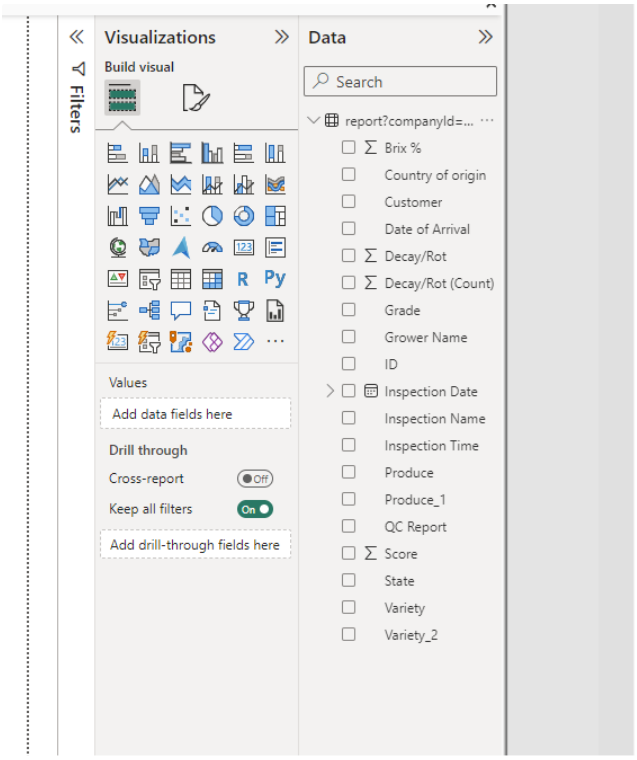


- Add the `X-Api-Key` to your header, and your Token value.
- Click OK.
- As you can see now, the report information now appears in Power BI.

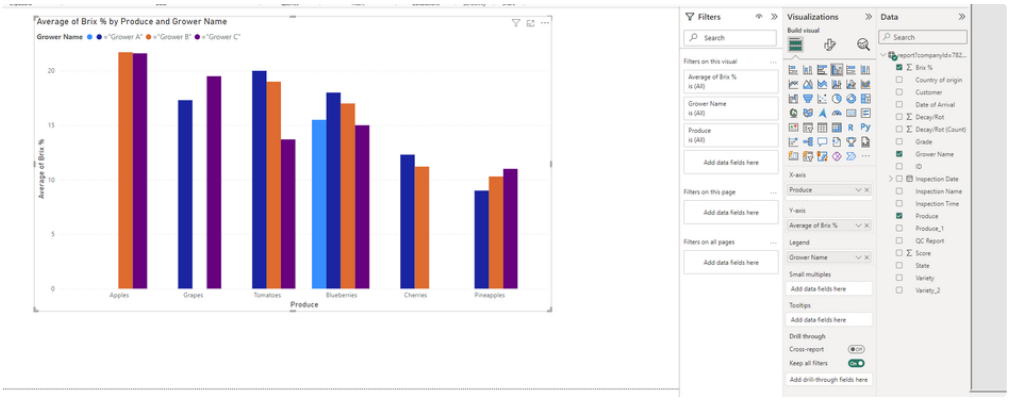


ID	State	Produce	Variety	Inspection Name	Produce_1	Variety_2	Inspection I
655df138553d42a70164fb88	In Progress	Blueberries	Andrea	="GM0O1656"	Blueberries	Andrea	22/1
655e4cb0ade2ff44f951426f	In Progress	Blueberries	Aurora	="GM0W4714"	Blueberries	Aurora	22/1
655e55bf3607ad788bf3fb52	In Progress	Blueberries	Aurora	="Prueba 1"	Blueberries	Aurora	22/1
655e600b3607ad788bf3fb53	In Progress	Blueberries	Aurora	="GM0Y0947"	Blueberries	Aurora	22/1
6562d113b8cd9033c7b90e8f	Approved	Apples	Common Red Apple	="My Sweet Apples"	Apples	Common Red Apple	26/1
6562d1144a6284189513b9f0	Approved	Apples	Common Red Apple	="My Sweet Apples 2"	Apples	Common Red Apple	26/1
6562d115b8cd9033c7b90ea2	Approved	Apples	Common Red Apple	="My Sweet Apples 3"	Apples	Common Red Apple	26/1
6562d118b8cd9033c7b90ec7	Completed	Blueberries	Andrea	="My Sweet Blueberries"	Blueberries	Andrea	26/1
6562d119b8cd9033c7b90edc	Completed	Blueberries	Andrea	="My Sweet Blueberries 2"	Blueberries	Andrea	26/1
6562d119b8cd9033c7b90eef	Completed	Blueberries	Andrea	="My Sweet Blueberries 3"	Blueberries	Andrea	26/1
6562d11cb8cd9033c7b90f16	Approved	Cherries	Common Dark	="My Sweet Cherries"	Cherries	Common Dark	26/1
6562d11d4a6284189513ba2d	Approved	Cherries	Common Dark	="My Sweet Cherries 2"	Cherries	Common Dark	26/1
6562d11d4a6284189513ba3a	Approved	Cherries	Common Dark	="My Sweet Cherries 3"	Cherries	Common Dark	26/1
6562d120b8cd9033c7b90f3c	Completed	Grapes	Sweet Globe (IFG Ten)	="My Sweet Grapes"	Grapes	Sweet Globe (IFG Ten)	26/1
6562d1214a6284189513ba47	Completed	Grapes	Sweet Globe (IFG Ten)	="My Sweet Grapes 2"	Grapes	Sweet Globe (IFG Ten)	26/1
6562d121b8cd9033c7b90f4b	Completed	Grapes	Sweet Globe (IFG Ten)	="My Sweet Grapes 3"	Grapes	Sweet Globe (IFG Ten)	26/1
6562d124b8cd9033c7b90f58	Approved	Pineapples	Common Pineapple	="My Sweet Pineapples"	Pineapples	Common Pineapple	26/1
6562d1254a6284189513ba75	Approved	Pineapples	Common Pineapple	="My Sweet Pineapples 2"	Pineapples	Common Pineapple	26/1
6562d1264a6284189513ba84	Approved	Pineapples	Common Pineapple	="My Sweet Pineapples 3"	Pineapples	Common Pineapple	26/1
6562d128b8cd9033c7b90f74	Approved	Tomatoes	Classic	="My Sweet Tomatoes"	Tomatoes	Classic	26/1

- You can load the information, and start working with it.

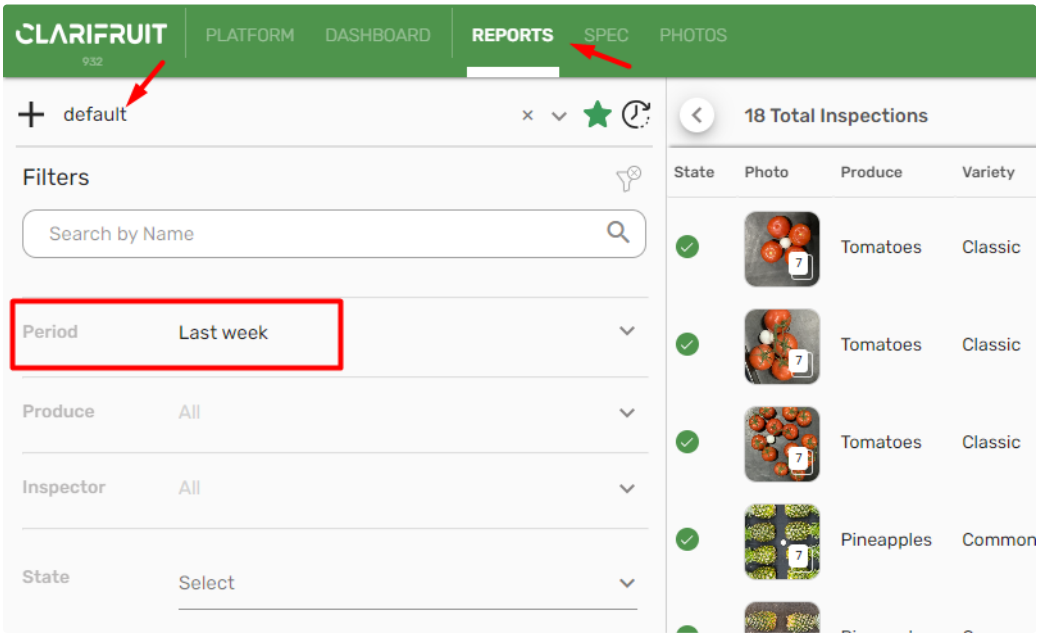


- Here is just a simple example of a report you can do using Power BI, and the information from Clarifruit.
  - This report shows BRIX over Produce, from your grower list - you can see who has the best brix results across produce categories.



In addition, the report would show the same filter as you applied to it.

So, if you are planning to request new data every hour, day, or week, please set the correct period filter on your Clarifruit report.

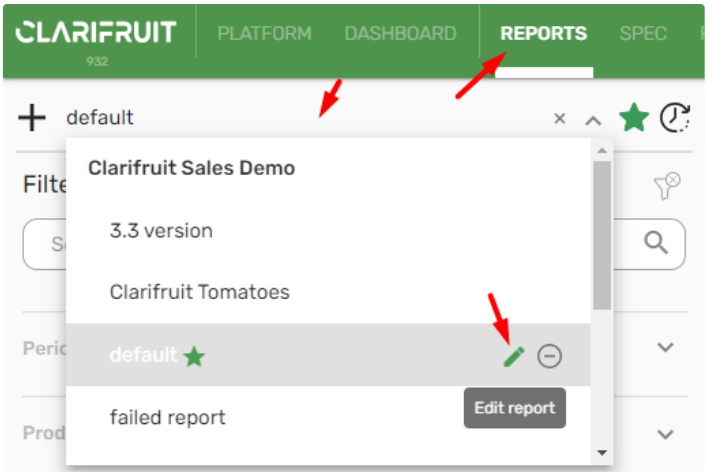


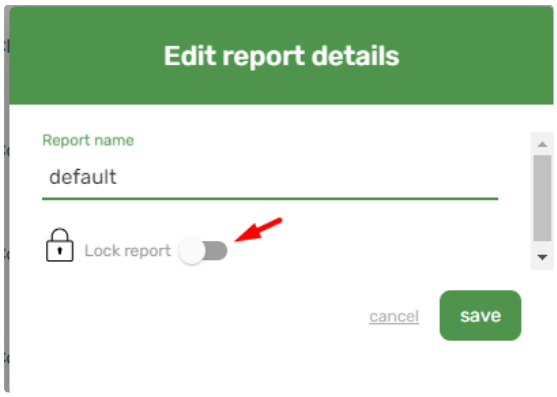
One more recommended action you'd probably want to take is to lock your report.

The report you are using as a base for Power BI, or any other tool, you want to keep it consistent, with no one that could make changes to this report, such as removing or adding columns, changing filters, etc.

By locking the report - you can ensure nobody will change it by mistake, only admins would have access to unlock it, in case of changes that need to be done.

All you need to do in order to lock OR unlock a report, is to choose the report from the Reports tab, click on edit, and then lock/unlock it.





That's it 🙂

Now you are ready to use the Clarifruit CSV report and get information automatically to your BI tools.