

OpenAg Data Road Map
Basil Viability Experiment – FoodServer 2
(BV_FS2)

Calendar: August 2018 - March 2019

Objective (purpose): Characterize growth of basil in FoodServer 2; test rack design

Experimental design:

Complete block design over time

10 racks

18 plants per rack (180 plants total)

Treatments:

3 replications over time

2 reservoir designs (75 liter vs 150 liter)

Photoperiod: Lights on from 6:00 AM to 10:00 PM

Meta data can be found in the META_BV_FS2.xlsx file.

Schematic of food server 2 design and rack placement (top view):

205	204	203	202	201		d o o r
206	207	208	209	210	[germ]	

Calendar of events:

Aug 10 - Sept 19: Rep 1

Oct 10 - Nov 16: Rep 2

Jan 22 - Mar 1: Rep 3

Explanation of data

All data is uploaded in wide format in these files:

ENVIRONMENTAL_data_BV_FS2.csv

MANUAL_data_BV_FS2.xlsx

Column headings refer to the parameters measured

Please see the explanation_of_variables tab in the META_BV_FS2.xlsx file.

If no data for a particular parameter at a certain date was taken, cell is filled with “NA”