

see page 40

11/7/18

SWD PREFERENCE
collab. w/ Anne Wong - UF.JB
USING
HOMER'S
NOTESOBJECTIVE - TEST & ID volatiles from fruit microbiome
that attract or repel SWD

Hypothesis - fruit microbiome can influence fruit susceptibility to SWD.

Approach - using Food Grade blueberry juice

Bell/Jarvis JARS CONTAINING BLUEBERRY JUICE
will BE INOCULATED ~~with~~ INDIVIDUALLY WITH
FOUR MICROBESATTRACTIVE 1) *Bacillus stearotherophilus*
2) *B. subtilis*REPELLEN 3) *Enterobacteriaceae* sp.
4) *Frigoribacterium faeni*

control NON-INOCULATED BLUEBERRY JUICE

INCUBATE @

CHECK VIA SPME @ DAY 0 & DAY 2 (48h) DAY 0 \approx 1-2h post inoc.

n = 3

P & E TIMES TO BE DET.

* COULD ALSO USE SUPER Q & SOLVENT - ~~SEE~~ SEE IF SPMESHOWS ANYTHING ~~is~~ UNIQUE IN LOW RETENTION
TIMES.* premise \nearrow Foraged ~~upon~~ strawberries were more attractive to
SWD than non-visited strawberries.