A black and white photograph of a large, dark wooden building with a steep gabled roof. The building is covered in solar panels. A sign on the front of the building reads "Maine Beer Company". Two tall light poles are visible on either side of the building. The sky is filled with clouds.

Maine Beer Company

Sabro! Peaches and Sunscreen

Phil Neil – Maine Beer Company



**HOP &
BREW
SCHOOL**

Survivable Compounds

- Inspired by YCH Survivable Compounds handbook.
- Explore ways to enhance the more desirable aromas found in Sabro.
- Can less desirable aromas be lost deliberately?



Experiment: Method

Recipe

- Amarillo and Sabro in the Kettle.
- Sabro in the Whirlpool.
- Version 1A dry hopped w/ Amarillo only.
- Version 1B dry hopped w/ equal parts Amarillo & Sabro.

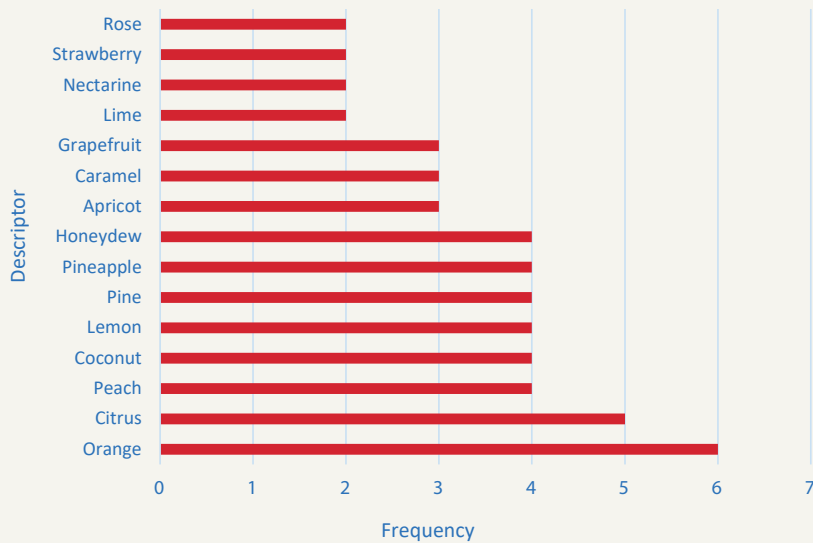
Hypothesis

- Descriptive and hedonic sensory run on both beers.
- Expected that Version 1A will have more notes of stone fruit and citrus.
- Version 1B will have more notes of coconut.
- Version 1A will be the preferred version.

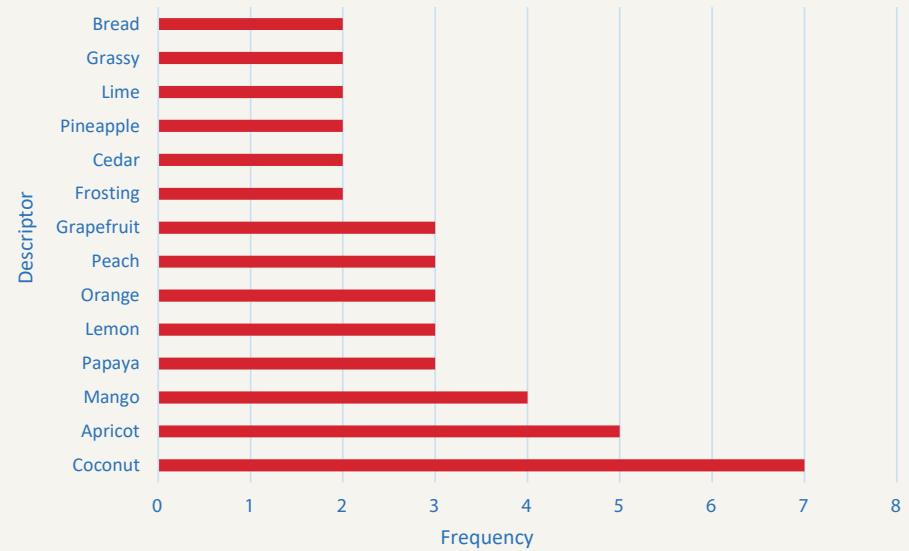
Results: Part 1



Frequency of Selected Aromas (V1A)



Frequency of Selected Aromas (V1B)



Results: Part 2

Data Analysis

- Hedonic Test showered only a slight preference for V1A
 - V1A rated 6.93 out of 10.
 - V1B rated 6.07 out of 10.
- Typically we see a difference greater than one point on these comparative tests.
- Panelists also noted that B seemed more bitter than A.
- Interesting that more than one panelist noted “frosting” in B.



Conclusion

What did people think?

- Results seem to support most of the hypothesis.
 - Coconut was the number 1 aroma detected in B.
 - Tied for 3 in version A.
- Statistically insignificant difference in preference.
- Some panelist comments:
 - A: “Very refreshing and dry” “Seems quite sessionable”.
 - B: “Holy coconut!” “Pina Colada all day!”



Conclusion: Part 2

Additional Thoughts?

- Certainly would like to repeat the experiment.
- Consider not informing panelists that the purpose is to examine Sabro hopping?
 - Prejudiced panelists in favor of finding Sabro associated aromas?
- Dry hop vs Whirlpool a red herring?
 - Coconut, vanilla and frosting more due to sheer amount of Sabro?
 - Could suggest moderation is key?
- Some people apparently really love that coconut character.
- Consider these results when using Sabro in future recipes.



THANK YOU!

