A walk on the wild side!

Brewers have used “wild” microbes for a long time!

- Flowers (and fruit) are a great source of wild yeast!

- A window into the world of aromas and flavors of flowers and pollinators!

- Need to make sure we’re getting the good ones though

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Beer is inherently antimicrobial

• Hops are antimicrobial
  – (Oh, and you may have heard about their flavor too)

• Alcohol is antimicrobial

• We can use this to help us weed out undesirable microbes!

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Eats Maltose
Not Mold

Tolerates Hops

Isolate single organism

Tolerates Alcohol & Hops

Only fermentative yeast!

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Yeast: tiny gremlins that get you drunk

- Flower Nectar = Glucose + Fructose + Sucrose
- Wine = Grapes = Glucose + Fructose
- Beer = Malt = Maltose
- Sugar + Yeast = 2 EtOH + 2CO₂ = BEER!

Maltose ≠ Nectar

Credit: http://www.sketchyscience.com
Sloppy Science: Why does alcohol get you drunk?
BREWING WITH FLORAL YEAST

• Isolated yeast from Spanish Needles
  – Needs a better food source than maltose

• Add honey!
  – It’s dried nectar!
  – Glucose & Fructose

• Wild yeast ferments & adds flavor

• Add brewer’s yeast later to finish fermenting the maltose

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Bidens alba (Spanish needles) are a very important nectar source in Florida!
Florida Wildflower Ale

- Refreshing and light
- Blonde ale base
- Florida wildflower honey
- Bright floral aroma with hints of an earthy wild character
- Citrusy character from Loral hops
THE YEAST HAVE SOMETHING TO SAY BEFORE YOU GO!

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Thank you for supporting the Florida Wildflower Foundation!