"Balancing Risks for Growers Exploring New/Old Crops: The Beverage Raw Material Production Educational Experience in Wisconsin (Hops and Malting Barley)"

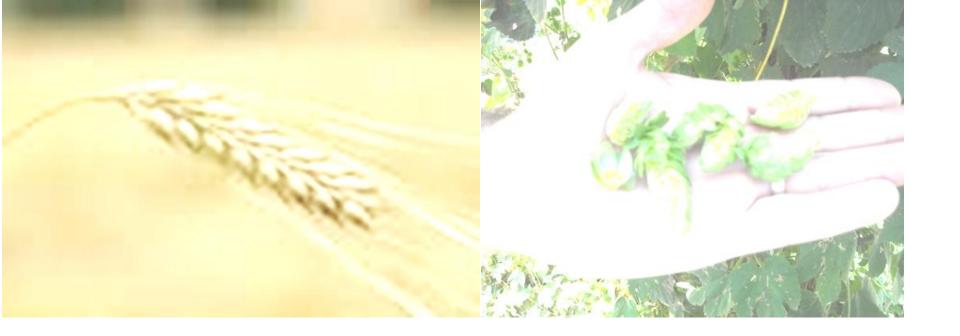
Carl Duley; UW-Cooperative Extension Tim Rehbein; UW-Cooperative Extension



"Balancing Risks for Growers Exploring New/Old Crops: The Beverage Raw Material Production Educational Experience in Wisconsin (Hops and Malting Barley)"

Why?





Educational Programs



Educational Programs

- Training and Investigation for us
- Seminars
- Field Days
- FTD
- Web
- Etc.



Educational Programs

- Training and Investigation for us
 - Examples of each type of program



Educational Programs Evaluation results compiled

tomorrow



Hop Production

Can we economically produce hops in Western Wisconsin on a small scale?

How do we address production management issues?

Can we efficiently harvest hops on smaller scale farms?

What quality measures are needed for hops?

Malting Barley

Look for options to large commercial malting structure – local food/beverage

Is it economical?

Is it practical?

Malting Barley: Can We Do Small Scale Production and Does it Pay?

Questions Needed to Answer:

- Quality of Barley 2-row for Craft Industry
 - Can barley compete other crops?

- DACTP requirements for small malting system(s)
 - Food Product ?

Questions Needed to Answer (con't):

- Where does local barley and local malting fit with the malting plants that currently exist?
- Cost of malting barley (and other grains)
 on a small scale
 - Labor vs. Capital
 - Price premiums
 - Business Agreements

History

Wisconsin was a major producer of malting barley

Malt Research Institute was founded in Wisconsin in 1938

Other farm enterprises became more profitable industry moved west and north













Research System \$300,000

Pilot Malt System \$750,000

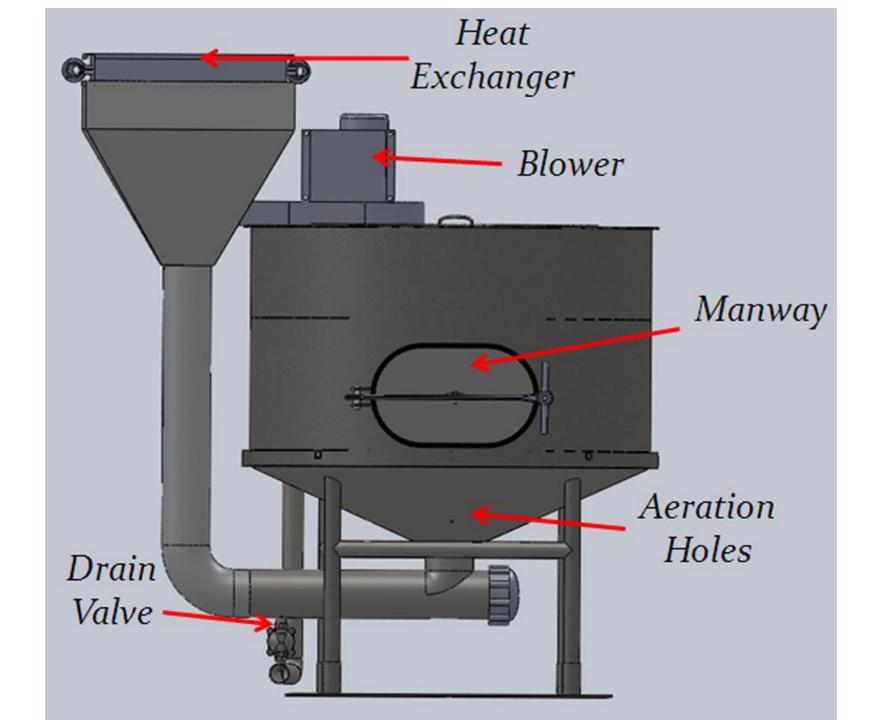






































Bill of materials:

- 2 2 x 4s 10' long or indefinite length (recycled from garage shelter of trailer house)
- 6- deck screws 2.5 inches long (recycled from deck of trailer house)
- 1 rusty T post salvaged from a line fence indefinite length of used baler twine from round bales two winters old



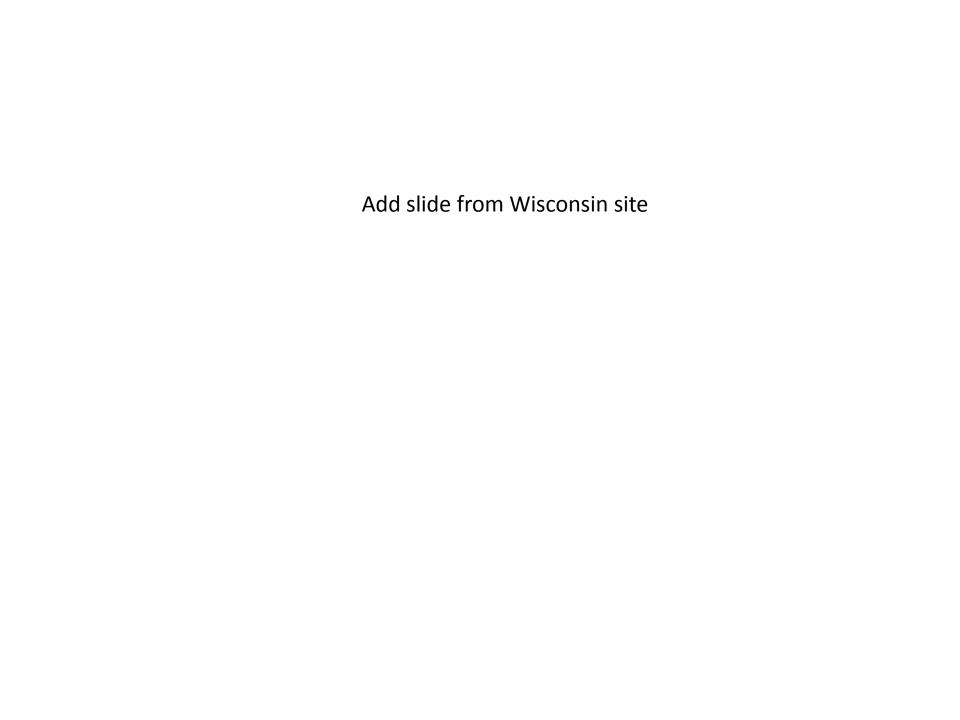






























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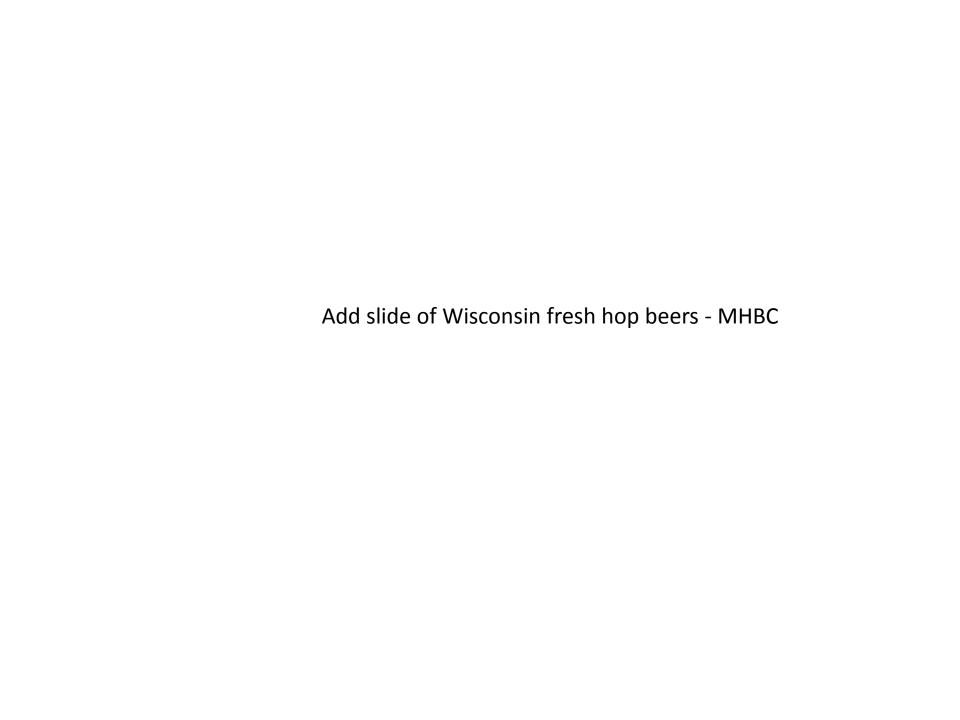




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New Audiences to Extension Ways

- Farm Technology Days
- Statewide Conferences
- Connection with organizations
- Facebook
- Webpage

2013 Survey data – partial sample of growers in Wisconsin and Minnesota Currently report 54.9 acres in ground in 5 years, these same growers plan to have 216 acres in the ground Assume \$8 per pound and 1000 pounds per acre Growth from \$439, 200 to \$1,728,000

Summarize the comments about what are needed – will be done today



- ANRE
- Carl & Tim





Hop and Barley ChleStko: AS? Wisconsin Craft Beer

Industry

