

Gorst Valley Hops

Summary of 2010 and Progress



2010

- ❑ Processed over 1000 lbs hops
- ❑ 100% of crop sold pre-harvest
- ❑ 4 versions of a picker were designed, built and tested
- ❑ Sorter experiments were conducted
- ❑ Lots of interest from potential growers
- ❑ Small oast designed, built, and successfully used – plans available!
- ❑ 6 workshops conducted in WI and NY

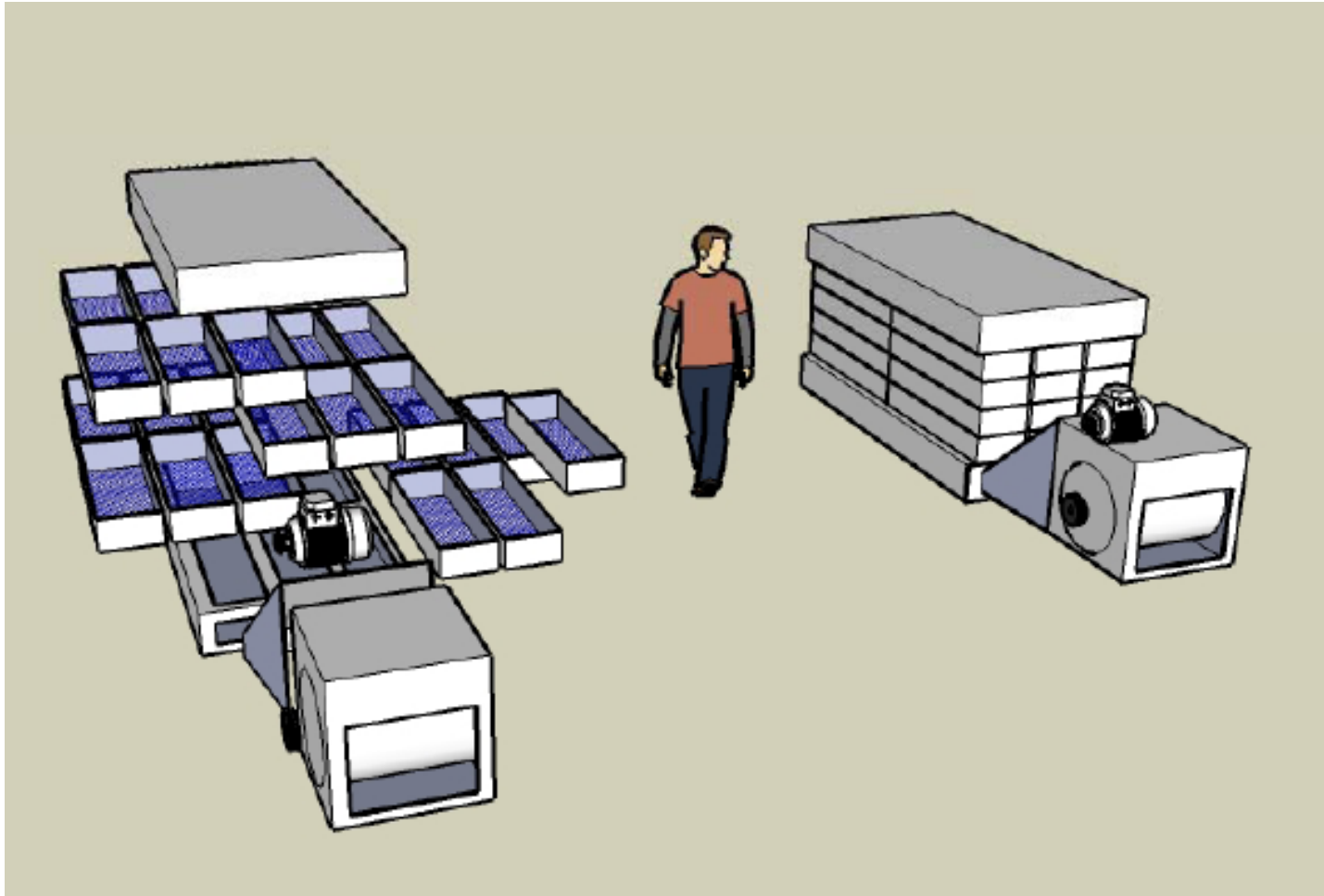


GVH and WI hops featured

- In Wisconsin (WPTV, October)
- Brew Your Own magazine
- Beer magazine
- Great Taste of the Midwest Beer Festival
- Isthmus Beer and Cheese Festival
- Modern Brewery Age Cover story
- 2 presentations at the America Homebrewer Association National Conference



The oast





Harvesting

□ Picker

- Small stationary equipment capable of stripping a mature bine in less than 1 minute
- Standard 110/120 volt power requirement
- Digital speed control
- Adjustable clutch that safely disengaged the picking drum
- Can be fitted with an integral hopper or conveyor to move material to the sorter



Harvesting

□ Sorter

- Stationary 3 stage sorting process
 - Includes a trommel for large debris
 - Incline mesh belt
 - Variable speed fans
- Standard 110/120 volt power requirements
- Clean cone outlet can be fitted with discharge to oast bins or to conveyor



Harvesting

- ❑ Picker units will see field use this season prior to taking production orders
- ❑ Sorter will undergo field testing this season and be available for the 2012 harvest
- ❑ Projected picker price ~\$4500.
- ❑ Sorter price: to be determined



2011

- ❑ Added 15 new charter growers (31 total)
- ❑ Added 5 new varieties
- ❑ Partnered with Atlantic Hops in NY
- ❑ Hired two part time employees
- ❑ Moving to a larger space for processing
- ❑ Expanding laboratory facilities (gas chromatograph will allow quantify different oil fractions and custom blend hops to substitute for proprietary hop varieties, do beer quality analysis)



2011 continued

- Increasing customer base
- Expecting 7x increase in harvest
- 80% pre-sold for 2011 harvest
- Distribute with 2 homebrew stores
- Will continue contract processing
~\$4.50/lb (pelletizing, alpha%, beta%,
total oil%, bulk packaging)
- Pursue organic processing certification
- Put 101 workshop on line