

Hop Harvesters

What's Out There?

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Morrisville, NY

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UVM Extension Ag Engineering

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Mechanized Harvesting

- Economics
 - Capital cost
 - Labor savings
- Quality
 - Harvest timing and duration
- Logistics
 - “Feeding the machine”
 - Will need more drying capacity
- Net Yield

Strip and Sort

Harvester Characteristics

- Cost
 - material, labor, assembly, retrofit, recurring
- Capacity (bines/hr)
- Crew
- Power source
- Portable vs. Stationary
- Effectiveness



Crafty Hop Plucker (CO)



The Crafty Hop Plucker

- \$5,000
- 30-60 bins per hour
- 1 person crew
- Electric power
- Stripping only

The Crafty Hop Plucker
Larry Leinhart
Fort Collins, Colorado
970-219-3929



Bine Implement 3060



Bine Implement 3060

Bine Implement 3060

- \$14,000
- 20-40 bines per hour average
- Up to 50 bines per hour
- 1-3 people to operate
- Electric power
- Strips and sorts

www.bineimplement.com
sales@bineimplement.com

Revised 3/18/2014
with input from Bine
Implement.



Steenland Mobile Structures - Hop Harvester 1000 (Roxbury, NY)

Steenland Mobile Structures

- \$12,000 (est.)
- 120 bins/hour (est.)
- 1 person to operate
- Portable
- Electric power
- Strips and sorts
- Rubber fingers
 - Anticipate less cone damage

Steve Steenland
steve@steenlandmobilestructures.com
www.steenlandmobilestructures.com
607-326-7707



Larry and Kate Fisher
Foot Hill Hops (NY)



Stillpoint Farm – Tom Barse (MD)



LaGasse Hop Harvester (Lyons, NY)

LaGasse Hop Harvester

- Price is TBD
- 150-200 bins/hour (est)
- 2 person crew
- Will strip and sort
- Gasoline powered hydraulics

Dan LaGasse & Jason McCormik
LaGasse Works, Inc.
315-946-9202

UVM Mobile Hop Harvester



UVM Mobile Hop Harvester





UVM Mobile Hop Harvester

- Open source design
- \$9,500 - 30,000
- 60 - 170 bines per hour
- 2 – 4 person crew
- Hydraulic power (tractor PTO)
- Strips and sorts
- Auto feed

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Google “UVM Hops Wiki”



Wolf WHE170 – Nicolas Schaut (Ontario)

**Wolf WHE170
Four Star Farms
(Northfield, MA)**



Wolf WHE140 – NEHA Morrisville, NY



Wolf Harvesters

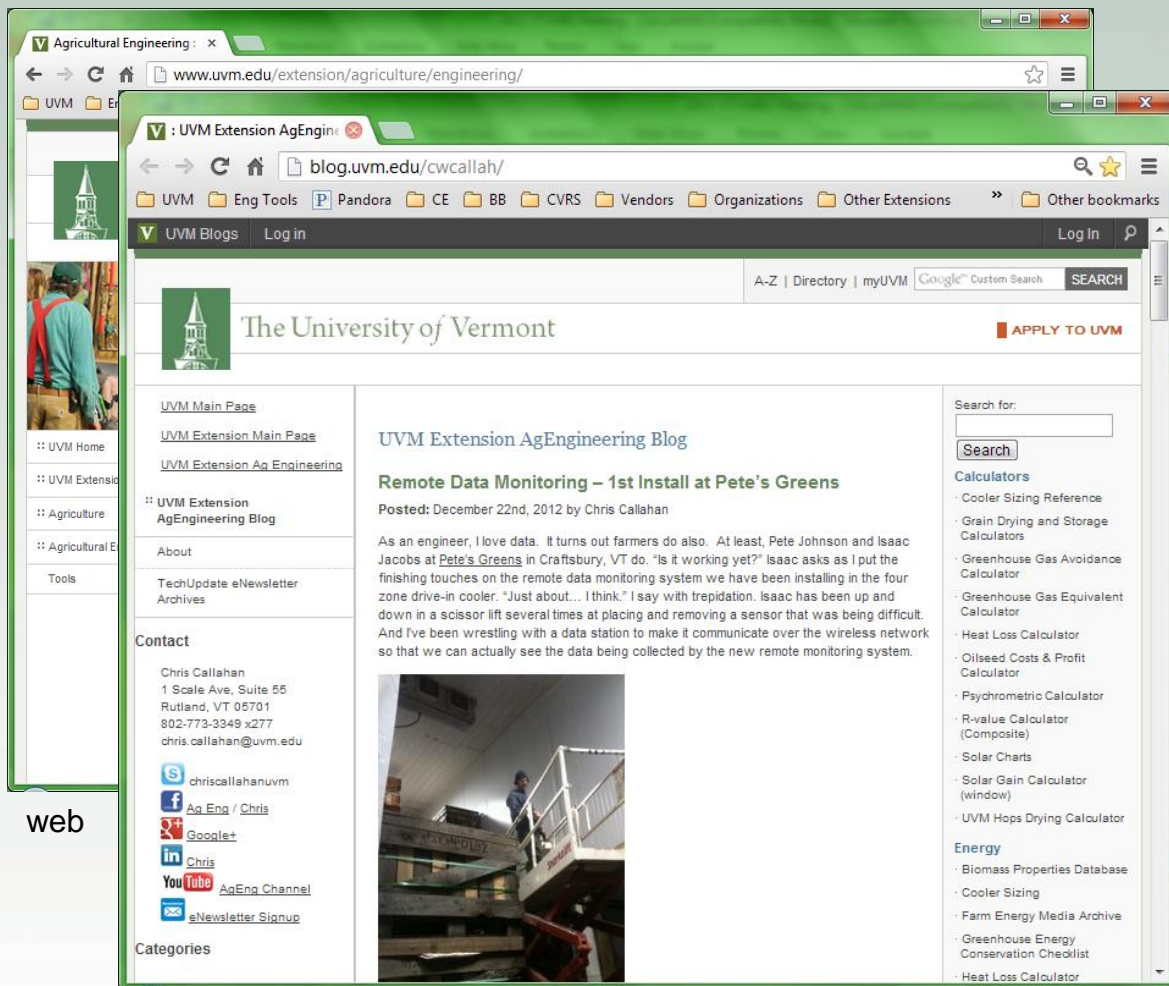
- \$30,000 – \$45,000
- WHE140: 120-140 bins/hr
- WHE170: up to 170 bins/hr
- 1-8 person crews
- 3 Phase electrical power
- Strips and sorts (and can chop bins)
- Auto feed

Tom Frazer
Dauenhauer Mfg, Co.
707-546-0577
tfrazer@dmfg.com
www.dmfg.com

Option	Initial Cost	Crew	Bine/Hour
Hand Picking	Zero	1	1
Crafty Hop Plucker	\$5,000	1	30-60
Bine 3060 (Addison Hop Farm, Addison, VT)	\$14,250	1-3	20-40
Steenland Hop Harvester 1000	\$12,000	1	120
LaGasse Mobile Harvester	TBD	2	150-200 (est.)
UVM Mobile (UVM and others replicating Dean Heltemes, Todd Wycoff, Pat Comerford)	\$9,500-\$30,000	4	60-120
Wolf WHE140 (NEHA / Foothill Hops)	\$30,000 + labor	2-3	140
Wolf WHE170 (Four Star Farm Northfield, MA)	\$30,000 + 2 weeks labor	8	170
Wolf WHE170 (Big Head Hops, Ontario)	\$43,500 complete	1+	170

Videos

- [Crafty Hop Plucker](#)
- [Bine Implement 3060](#)
- [UVM Mobile Hops Harvester](#)
- [Lunatic Fringe \(UVM type\)](#)
- [Wolf 140 \(NEHA\)](#) - bines
- [Wolf 140 \(NEHA\)](#) – cones
- [Wolf](#) – side by side



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