## Borderview Research Farm



## Inventory of items to construct a hopyard



Cedar and Tamarack poles 20 to 22 ft X 6 in. 65 @\$32.00 each







Haven Grip for ¼ to ½ inch cable 2 @\$82.50

5/16 Aircraft Cable

6750 ft. @ \$.26 Cents a Foot

**Cable Cutters** 

\$66.00







34 X 12 inch Turn Buckle

37 @\$15.95 Each

5/16 Cable Clamps

300 @\$.64 Cents Each

5 inch X 48 inch
Ground Anchors
40 @\$13.00 Each
5/16 X 3 in. Eye bolts





**Come Along** 

18 Volt Impact Wrench







Home made adapter for screwing in ground anchors that mounts to post hole digger.

Adapter sets over head of ground anchor.

Commercial post hole digger. \$339.00 for the weekend.



3 Point Hitch Post Hole Digger With Anchor Attachment





Loader for moving poles.

Ten yards stone for setting poles.

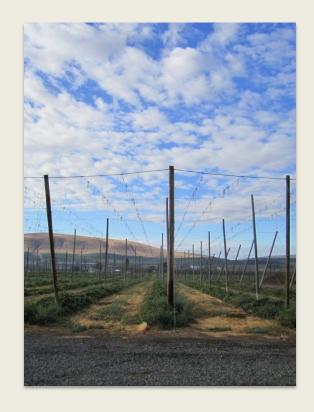




Home made lift bucket.

Made from a 250 gallon tote holder

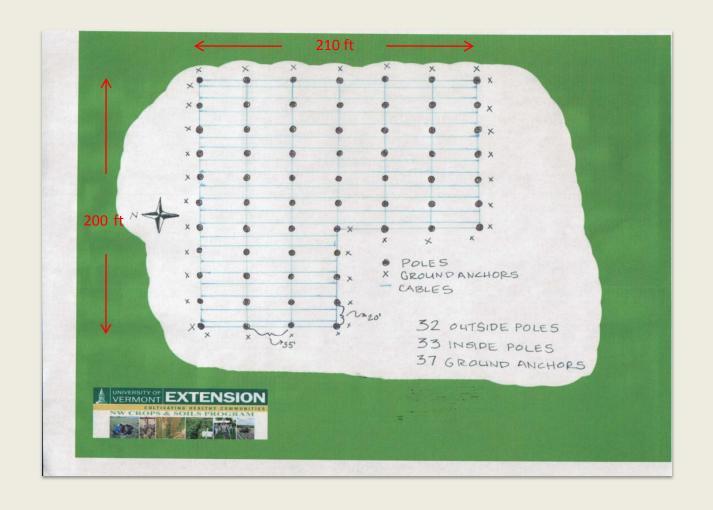
Welded to an old front end loader bucket







Washington State Hops Yards



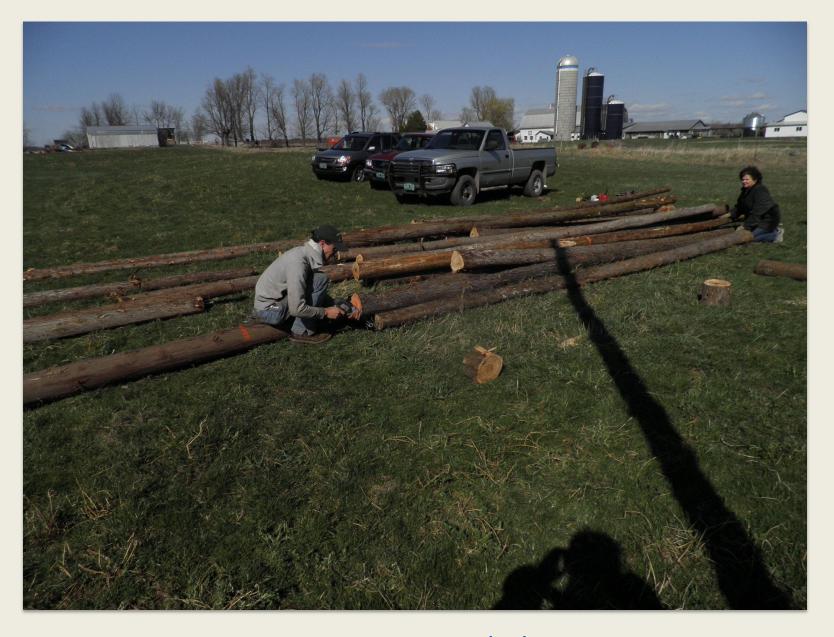
## **Hopyard Layout**



Hopyard Layout. Poles are spaced 20 ft. X 35 ft.



Lay out flags for post location



Screwing in eye bolts



Make sure to do some test holes to see if you can dig deep enough



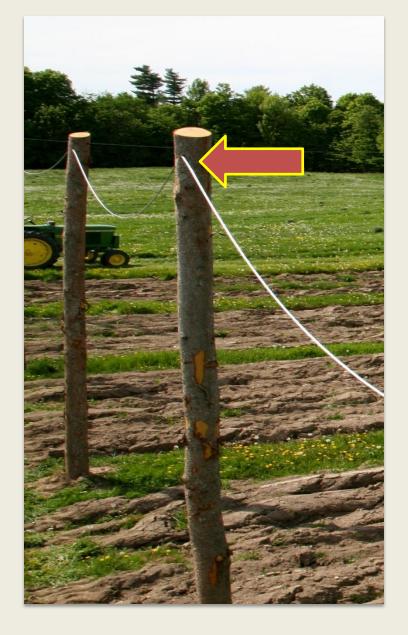
Drilling 4 Feet Deep to avoid Frost



**Setting Poles** 



**Setting Outside Poles** 



Drilled holes in end poles.



Cabling Hopyard
Cable Spool On Tractor 3 Pt Hitch



Eye hook for mounting Haven Grip for pulling cable



Using a Haven Grip



Hooking cable to haven grip to pull cable.



Painted turn buckles to make them more visible in field.



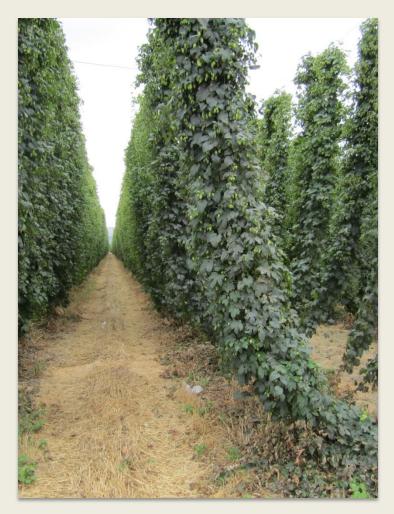
Painted turn buckles.

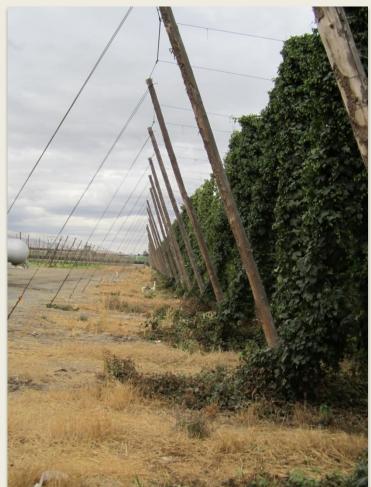


Finished Hops Trellis

## **Hopyard Construction Cost**

6750 Ft. 5/16 cable	\$1850.00
65 Poles	\$2098.00
37 Turn Buckles	\$589.00
40 Ground Anchors	\$560.00
2 Haven Grips Cable Pullers	\$165.00
Cable Cutters	\$66.00
300 Cable Clamps	\$197.00
10 Yards Stone	\$460.00
Total Material Cost	\$5996.00
Post Hole Digger Rental	\$339.00
65 Man Hours and 48 Tractor Hours	





Late Summer



**Enjoying The Fruits of Our Labor**