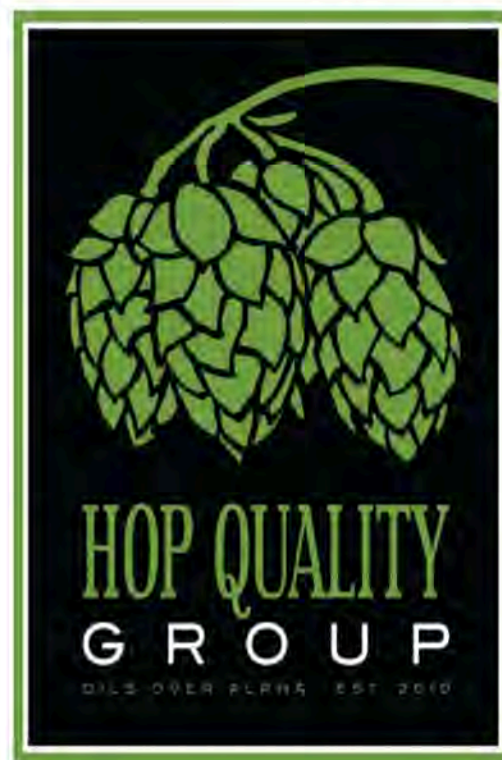


<b>HQG Visit Date:</b>	8/24/23
<b>Farm/Facility:</b>	USDA – Research Station, Prosser
<b>Picker Name &amp; Grower Number(s):</b>	
<b>Grower Name &amp; Phone:</b>	Dr. Kayla Altendorf; 509-786-9267
<b>Physical Address of Farm/Facility:</b>	24106 N Bunn Road, Prosser, WA 99350
<b>Email Address:</b>	Kayla.altendorf@usda.gov
<b>Picker Type(s) &amp; Description:</b>	Wolf 170
<b>Merchant Partners/Direct/Both?</b>	USDA: Public Breeding



<b>HQG Attendee &amp; Brewery</b>	
Jeremy Moynier – Stone Brewing	Sam Pecoraro – Von Ebert Brewing
Joe Mohrfeld – Pinthouse Brewing	Zach Baitinger – New Belgium Brewing
Krystal Angelo – Pinthouse Brewing	
Aaron Inkrott – St. Arnold Brewing	

**Operations Description (2023 Visit Update):**

Just starting to look at quality Markers: Alpha Acid and Oil are first up. They started with sex then moved on to Powdery Mildew resistance.
Wolf Picker is hooked up to a generator and running. 4 techs from AB Elk Mtn came and worked on it for 4 days. Next year hope to have a building over picker and by May 2024 a kiln (she’s designing it). They have been using the picker that’s located down the road that the Entomologist uses for pesticide studies.
30 acre plot: Puterbaugh constructed 11 acres for her last Spring. All solar powered, drip controlled by app on your phone. Seedlings: currently 2,000 plants: can do up to 4,000. The male yard is by the barn. The other yards are all females. They rented an NIR for acids and oils. In the future, they will have barcodes and scanners to trace plants! She does have a tablet to check seedling data.
Advanced Lines: She inherited from Henning. 30 to move forward. 14 hills per plant. 20 different cover crops that she is testing. She is doing design research that can inform breeding.
She has a couple of very nice tractors now!
Still working on 333 (Roy Farms, Gooding). And she still is rooting for 84A.

**Improvements since last HQG visit (if applicable):**

HGQ visited last year (2022).
Wolf Picker is running!
2 new tractors.
More yards established.

**Recommendations:**

Enclose the picker (which is on your plan).
Having a well-designed kiln will help to mimic better quality production (which is on your plan).

**Additional Comments:**

<b>What hop varieties are grown? Acreage?</b> <ul style="list-style-type: none"><li>• Several varieties.</li></ul>
<b>Does Grower plan any major upgrades in the near future?</b> <ul style="list-style-type: none"><li>• Kiln, building around Picker.</li></ul>
<b>Does Grower operate multiple facilities? If yes, how many? Facility names and locations (grower numbers)?</b> <ul style="list-style-type: none"><li>• N/A</li></ul>
<b>Does Grower custom pick for anyone else? If yes, who?</b> <ul style="list-style-type: none"><li>• N/A</li></ul>
<b>What certifications does the grower possess, if any?</b> <ul style="list-style-type: none"><li>• N/A</li></ul>
<ul style="list-style-type: none"><li>• <b>It's awesome to see the evolution here! You have done a great job progressing the program. We look forward to coming back to see the next phase. Thanks for all of your hard work that you are doing for the hop industry!</b></li></ul>



















