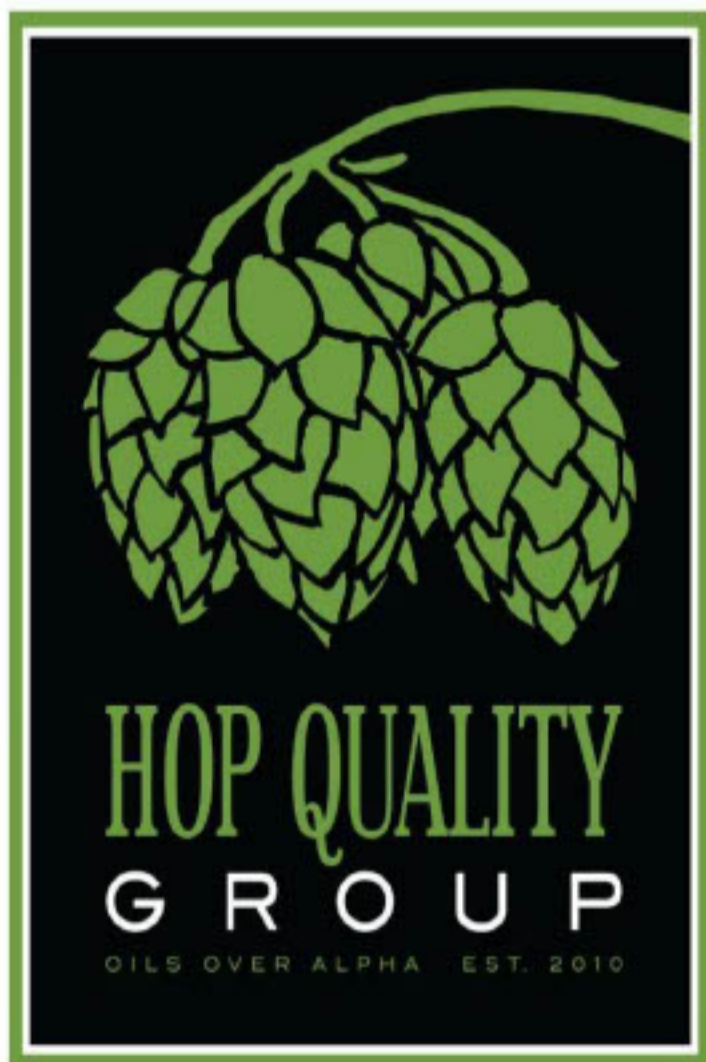


HQG Visit Date:	3/22/23
Farm/Facility:	Mac Hops Home Farm
Picker Name & Grower Number(s):	Mac Hops
Grower Name & Phone:	Brent McGlashen; +64 21 114 0546
Physical Address of Farm/Facility:	121 Poole Street, Motueka 7120.
Email Address:	rentabrentnz@gmail.com
Picker Type(s) & Description:	Upgraded Bruff pickers.
Merchant Partners/Direct/Both?	Merchant: NZ Hops and YCH

HQG Attendee & Brewery	Tristan Karosas – Single Hill Brewing
Jeremy Moynier – Stone Brewing	Matt Brynildson – Firestone Walker Brewing Company
Sam Pecoraro – Von Ebert Brewing	Scott Janish – Sapwood Cellars Brewery
Tom Cook – Von Ebert Brewing	Brad Benson – Stoup Brewing



Operations Description:

Picker: 2 Bruff Pickers: 1 from 1963 and the other from Guinness is approx.. 40 years old. Sort of a hybrid of a Dauenhauer. Like other farms, Bines are staged on the floor before being hung. Sweep floors continuously to mitigate foreign material on picker floor. Some clutter near hop cleaners. Exposed machinery -- safety hazards. LED lights/others covered. They have people picking out leaf.

Kiln: from 1963. Some open window spaces in Kiln. They were drying Super-Delic. Some cobwebs between Kiln and Conditioning floor. Weighted kiln beds: other farm has this as well. Higher humidity so higher drying. Dry at 57 C (135 F). Cranking up air speed and then adjusting. Purposefully putting down screens and poles on all beds. Cuts down at least an hour. 6 – 7 hours is normal drying time. Hops looked good and very clean!

Pelletizing: Bales go to NZ Hops for Pelletizing or cold shipped to YCH in bale form for pelletizing. Aromatic paint is used for bale designation. Magnet on hopper conveyance to Baler. It's a massive magnet!

Other: Brent is a 5th generation farmer. He has done harvest in the states: Perrault, Loftus. They ran the Eggers farm for a few years and then Freestyle bought it. Some LED lights, some older styles – all covered. Using food-grade lube. Using wood pellets 100% instead of Diesel for fuel! They changed out from Coal. Using wood chips at other farm. Compostable strings – corn starch product. They developed the twine with Extrutech. They bought a forest but unfortunately couldn't make poles from it. All the electricity on South Island is generated from hydro-power. May look to solar in the future. They have their own greenhouse. Contract pots for other growers. Single-farm potting is less disease potential (looking at disease free in a few years but they don't have much disease issues in NZ). YCR took pointers from them and are now using these. Potting mix goes back on the field as compost. Good signage throughout facility! Cement surrounding floors surrounding entrances/Picker which is great (some other farms we have seen on this trip are dirt and rocks). Also have a staging area for trailers which is another area to mitigate foreign material. Sandy silt at Home farm, hard clay at the Moutere Farm.

Areas of Concern:

Some open window spaces in Kiln.

Some cobwebs between Kiln and Conditioning.

Duct tape and cardboard in place in a few areas.

Exposed machinery in Picker – safety hazards.

Aromatic paint on bales.

Improvements since last HQG visit (if applicable):

First time HQG visit. Individual members have visited in the past.

Recommendations:

Ensure cobwebs are cleaned so they can't get into the hops.
Identify areas in Picker that need safety guards.
Ensure all openings in building are closed, netted, etc to mitigate birds and pests getting into the building and into hops.
There are risks with hops staged on the ground before hanging in the Picker. It sounds like there are some strict NZ guidelines that force this method of staging. Good topic for further discussion to see if there are any creative solutions. Designated areas with floor markings? Regularly wash/clean areas to mitigate boot, truck, and tractor contamination?
Insulation in the ceiling looks good. Do regular checks to ensure it doesn't shred over time to prevent from getting into hops.
Ensure clutter is kept to a minimum to avoid getting any debris into hops.
Replace any temporary cardboard/duct tape that was a quick fix for a permanent solution.
Alternative to aromatic paint used for bale designation.

Additional Comments:

What hop varieties are grown? Acreage? <ul style="list-style-type: none">● 29 Hectares expandable to + 10 Hectares. Superdelic, Nectaron, Nelson, Motueka, Riwaka, Rakau, Moutere, Waimea. Other farm is 80 Hectares.
Does Grower plan any major upgrades in the near future? <ul style="list-style-type: none">● They are always innovating! Looking into conveyance from kiln to conditioning.
Does Grower operate multiple facilities? If yes, how many? Facility names and locations (grower numbers)? <ul style="list-style-type: none">● 2 facilities. This farm and the Moutere Farm which is located 12 minutes away. That farm has 2 Wolf front end harvesters with DK Fab cleaners.
Does Grower custom pick for anyone else? If yes, who? <ul style="list-style-type: none">● No.
What certifications does the grower possess, if any? <ul style="list-style-type: none">● Global Gap for 15 years. First NZ farm to have it (did it first for Kiwi fruit). Green Chief.
Additional Comments about the operation? <ul style="list-style-type: none">● Really amazing to see Brent's passion and attention to detail. The sustainability efforts are very, very impressive. Overall, an older farm that's in good shape and employing many innovative practices. We appreciate you allowing the HQG to visit and are open to discussion and recommendations. Thank you for having us back at the house as well for an amazing happy hour! We would love to visit again in the near future – hopefully next year. Cheers!● Virtual discussion on report on 7/27. Brent M is very receptive to HQG recommendations and looks forward to future visits.



**MAC
HOPS**
NEW ZEALAND
Brent 0211 140546
Owen 0272 014464
Kim 0212 634085

**THIS IS A MULTIPLE
HAZARD AREA**
DO NOT ENTER BUILDINGS
WITHOUT
PERMISSION OR NOTIFICATION
OF THE HAZARDS WITHIN



PLEASE REMEMBER:
HOPS ARE A FOOD PRODUCT!
KIA MAHARA KOE, HE KAI TE HĀPI!









