**Fall-planted barley trials**

**Morrow County, Oregon**

**2015 and 2016 Harvests**

**Preliminary report**

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Experiments were conducted over a two-year period at the Starvation and Jepsen Farms in Morrow County, Oregon.

The barleys tested were commercial or pre-commercial. They cover a spectrum of types and end-uses, as shown in Table 1.

Table 1. Descriptions of six winter barley varieties and one experimental selection (TCFW6-033) grown at the Jepson and Starvation Farms, Morrow County Oregon. 2015 and 2016 harvests.

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| --- | --- | --- | --- | --- | --- | --- |
| **Variety/****Selection** | **Grain** **type** | **Awn** **type** | **Head** **type**  | **Growth** **Habit**  | **Principal end use**  | **Origin**  |
| Alba  | Covered | Standard  | 6-row | Winter  | Feed/Malt | Oregon State University |
| Buck  | Naked  | Standard  | 6-row  | Winter  | Food/Malt  | Oregon State University |
| Glacier  | Covered | Standard  | 2-row | Winter | Feed  | Tri-State Seeds/KWS (Germany) |
| P-954 | Covered | Standard  | 6-row | Facultative  | Feed  | University of Nebraska – Lincoln  |
| Strider  | Covered | Standard  | 6-row | Winter  | Feed | Oregon State University |
| TCFW6-033 | Covered | Standard  | 6-row | Facultative  | Feed | Oregon State University |
| Verdant  | Covered | Hooded | 6-row | Winter  | Forage  | Oregon State University |

There was complete winter survival in all trials.

Overall, the top yielding variety was Glacier, as shown in Tables 2 – 5. This two row variety had top yields, good test weight, and good kernel plumpness. The 6-row covered varieties with standard awn type had good yields but were not competitive with Glacier for test weight or kernel plumpness. Verdant, a hooded type, is intended for forage rather than grain production. Buck – a naked barley – did surprisingly well. Its yield and test weight are more appropriately compared to wheat than to barley.

Table 2. Agronomic performance of fall-planted barley at Starvation Farms, 2015

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Table 3. Agronomic performance of fall-planted barley at Starvation Farms, 2016



Table 4. Agronomic performance of fall-planted barley at the Jepsen Farm, 2015

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Table 5. Agronomic performance of fall-planted barley at the Jepsen Farm, 2016



**Aerial view - Jepsen Farm fall-planted barley plots 2016.**

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**Ground view - Starvation Farms fall-planted plots. 2016**

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