

## ***UC-Gallagher***

UC-Gallagher (PI 701932) is an F<sub>6</sub> derived selection from the cross **Butta 12//Msel/BCD-TTA-J** and it was mainly selected for its outstanding malting quality (it carries the good quality allele on chromosome 5H from “Harrington”, which improves  $\alpha$ -amylase,  $\beta$ -glucan and FAN values). UC-Gallagher also has outstanding grain yield (one of the top entries in the Preliminaries), good resistance/tolerance to diseases and good agronomic type. UC-Gallagher is tolerant to the complex BYDV–CYDV, Stripe Rust and Powdery Mildew, all three diseases commonly present in the Central Valley. It was evaluated during 2017, 2018, 2019, 2020 and 2021 for grain yield in Preliminary trials, and for malting quality at the USDA-ARS laboratory, Madison, WI. UC-Gallagher was entered in Regional Trials in 2019 as UC 1911 (results can be seen at the UC Davis small grains site: ([http://smallgrains.ucanr.edu/Annual\\_Variety\\_Results/](http://smallgrains.ucanr.edu/Annual_Variety_Results/))). UC-Gallagher is well adapted to the Central Valley of California (Sacramento and San Joaquin Valleys). **Foundation seed** available ([lframe@ucdavis.edu](mailto:lframe@ucdavis.edu))

### **UC-Gallagher - Agronomic Strengths**

- Outstanding grain yield
- Non-Glycoside Nitrile (GN) producer
- Big, plump grains
- Good tolerance to BYDV – CYDV
- Resistant to Stripe Rust and Powdery Mildew
- Excellent Malting Quality, carrier of 5H Qtl (‘Harrington Qtl’)

Figure 1. UC-Gallagher Foundation Seed, 2022.



Figure 2. UC-Gallagher experimental plot, Davis 2021

