

Volt

2008 VARIETAL RECOMMENDATION

Volt
(exp. # ACS 52610)

WestBred, LLC request that 'Volt' hard red spring wheat be considered for "Variety Recommendation in the State of Montana".

A motion that Volt be recommended as a hard red spring wheat for all Irrigated Districts in Montana.

Volt is a hard red spring wheat developed by Dr. Peter Franck with the plant breeding company, PZO Pflanzenzucht Oberlimpurg, in Germany. Application for PVP will be submitted.

Volt is being released as a high yielding, disease resistant variety for irrigated growing conditions. For the 3 year period 2005 - 2007, (29 locations), the average per acre yield of Volt in the MSU Intrastate Trials is 58.1 bushels, compared to Hank at 56.1 bushels and Choteau at 53.9 bushels. The average test weight has been 60.6 lbs, which is 3.5 pounds heavier than Hank and 1.3 lbs heavier than Choteau. Protein levels have averaged 13.7%, which is .5 -.6 percentage points lower than Hank or Choteau. The average plant height of Volt is 31 inches, which is similar to Hank and Choteau. The average heading date of Volt is four days later than Hank and two days later than Choteau. See Table 1 for a summary of combined location/years averages, and Tables 2 through 11 for individual location/years averages.

Milling and baking quality data from the 2005-2006 crops indicate that Volt has slightly lower loaf volume, but in general, has acceptable quality when grown in Montana (Tables 14 and 15).

Disease/sawfly ratings for Volt show it to have very good tolerance to stripe rust (Table 13.) and fusarium head blight (Table 16). Volt is susceptible to damage from the wheat stem sawfly (Table 12.).