

Objective Description of Wheat Variety for Certification

Variety Name or Experimental Designation	WB4311			
Kind	Common <input checked="" type="checkbox"/>	Durum <input type="checkbox"/>	Club <input type="checkbox"/>	Other <input type="checkbox"/>
Market Class	Hard Red Winter <input checked="" type="checkbox"/>	Hard Red Spring <input type="checkbox"/>	Hard White <input type="checkbox"/>	Soft Red Winter <input type="checkbox"/> Other Hard Red <input type="checkbox"/>
Seasonal Growth habit	Spring <input type="checkbox"/>	Winter <input checked="" type="checkbox"/>	Maturity	Early <input type="checkbox"/> Mid-Season <input type="checkbox"/> Late <input type="checkbox"/>
Plant height (inches)	Dwarfing genes or phenotype (if known)			
Stem Internodes	Hollow <input type="checkbox"/>	Semi-Solid <input type="checkbox"/>	Solid <input type="checkbox"/>	
Spike Shape	Tapering <input type="checkbox"/>	Clavate <input type="checkbox"/>	Elliptical <input type="checkbox"/>	Oblong <input checked="" type="checkbox"/>
Spike Density	Lax <input type="checkbox"/>	Mid Dense <input checked="" type="checkbox"/>	Dense <input type="checkbox"/>	
Spike Curvature	Erect <input type="checkbox"/>	Inclined <input checked="" type="checkbox"/>	Nodding <input type="checkbox"/>	
Awn Type	Awnless <input type="checkbox"/>	Apically Awnletted <input type="checkbox"/>	Awnletted <input type="checkbox"/>	Awned <input checked="" type="checkbox"/>
Awn Color	White <input checked="" type="checkbox"/>	Black <input type="checkbox"/>	Brown <input type="checkbox"/>	Tan <input type="checkbox"/>
Glume Color	Tan <input checked="" type="checkbox"/>	White/Amber <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	
Glume Length	Short <input type="checkbox"/>	Medium <input type="checkbox"/>	Long <input checked="" type="checkbox"/>	
Shoulder Shape	Wanting <input type="checkbox"/>	Oblique <input type="checkbox"/>	Rounded <input type="checkbox"/>	
	Elevated <input checked="" type="checkbox"/>	Apiculate <input type="checkbox"/>	Square <input type="checkbox"/>	
Shoulder Width	Narrow <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Wide <input type="checkbox"/>	
Beak Shape	Acuminate <input checked="" type="checkbox"/>	Obtuse <input type="checkbox"/>	Acute <input type="checkbox"/>	
Beak Length	Short <input type="checkbox"/>	Medium <input type="checkbox"/>	Long <input checked="" type="checkbox"/>	Very Long <input type="checkbox"/>
Pubescence	Present <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>		
Seed Color	White <input type="checkbox"/>	Amber <input type="checkbox"/>	Red <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
Seed Shape	Ovate <input type="checkbox"/>	Oval <input checked="" type="checkbox"/>	Elliptical <input type="checkbox"/>	
Seed Cheek	Rounded <input checked="" type="checkbox"/>	Angular <input type="checkbox"/>		
Seed Brush	Short <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Long <input type="checkbox"/>	

Please describe any other traits that need be known to identify the variety, including field and/or seed variants.

WB4311 Wheat

WB4311 is a common Hard Red Winter wheat adapted to the Pacific Northwest region of the United States. WB4311 was developed by WestBred, from the cross 'ACS11105'.

WB4311 is a semi-tall hard red winter wheat. The head is strap, mid dense, and inclined at maturity. The glume shoulders are elevated with an acuminate beak. The seed is hard, red, and oval with rounded cheeks. The brush is medium with no collar.

A variant similar to WB4311 but is 10-15 cm taller occurs at a frequency of .2% (20 plants per 10,000). A white seed variant may occur at a frequency of up to .25% (25 seeds per 10,000). An awnless variant may occur at a frequency of .1% (10 plants per 10,000). A bronze chaff variant may occur at a frequency of .1% (10/10,000). Otherwise, this variety has been uniform and stable in appearance and performance across several generations and environments.