

# WESTERN PLANT BREEDERS



WestBred Brand

# XENA

2-row feed barley

A high yielding, feed barley for the Northern Plains and Pacific Northwest.

*Seeding the cornerstone of quality*

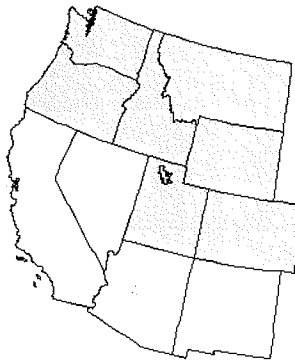
WESTERN PLANT BREEDERS

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Xena is a 2-row feed barley that has proven to be an excellent yielder. This barley is 2 to 3 inches taller than Baronesse, has exceptional straw strength and standability and consistently weighs .5 to 1 lb more per bushel.

## Area of Adaptation



Most areas of northwest United States. Xena is well adapted to dryland and irrigated production. Although 2-3" taller than Baronesse, Xena does not lodge excessively under high production situations. This barley is more adapted to dry applications than Baronesse due to its ability to stand taller under drought conditions.

1999 & 2000 WSU Extension Yield Test Results (ave. of all locations)

VARIETY	Yield Lbs/acre		Test Weight Lbs/Bu.	
	99 Yield	00 Yield	99 T.W.	00 T.W.
Xena	3,693	5,225	50.9	52.6
Baronnesse	3,895	5,269	50.7	52.1
Harrington	3,254	4,745	50.0	50.5
Camelot	3,515	4,931	51.7	53.3
Gallatin	3,479	4,724	51.3	53.0

“ XENA ”  
BZ 594-19 Spring Barley

Post-it® Fax Note	7671	Date	6/2/99	# of pages ▶	2
To	Gloria	From	Mike		
Co./Dept.	W/SCIA	Co.	WPB		
Phone #		Phone #			
Fax #		Fax #			

**Description**

“ \_\_\_\_\_ ” (exp. # BZ 594-19) is a long awned, two-rowed, standard height, hulled, spring feed barley. It is mid-season in maturity and adapted to the intermountain areas of the Pacific Northwest. The stem has waxy coating, a closed collar and the neck is straight. The leaves are slightly waxy in appearance and there is no anthocyanin in the leaf sheath or stem. However, there is anthocyanin in the veins of the lemma. The head is semi-erect (not dense), strap shaped, slightly waxy and semi nodding at maturity. The glume length is more than ½ the length of the lemma and the glume covered with short hairs. The glume awns are equal to the length of the glumes and the surface is rough. The lemma is awned, and the awns are rough. Both lemma teeth and lemma hairs are absent, and the rachilla hair is long. The seed is mid long, wrinkled, and has a white (or colorless) aleurone. The lateral florets are extremely reduce in size.

“ \_\_\_\_\_ ” (BZ 594-19) is a stable and uniform variety in appearance and performance. No variants are know to occur.

“ YENA ”  
BZ 594-19 Spring Barley

### Origin and Breeding History

“ \_\_\_\_\_ ” (exp. # BZ 594-19) is a two-rowed spring barley that originated from the cross “Stark x Baronesse” made by Western Plant Breeders near Phoenix in March, 1992. The F1 was grown near Bozeman, MT in 1992 and F2 seed planted near Phoenix in the fall of 1992. F2 heads were selected in April, 1993, threshed and planted as a bulk near Bozeman in May, 1993. Individual F3 plants were pulled in the fall of 1993 and planted as 5’x7’ plots in the spring of 1994. One of the F4 plots was selected and given the designation BZ 594-19. The F5 thru F7 were tested for yield in Western Plant Breeders’ trials in 1995, 1996, and 1997.

20 heads were selected from the F6 generation in the fall of 1996 and planted near Yuma, AZ in November, 1996. Uniform rows were harvested individually in April, 1997 and planted as line rows near Bozeman in May, 1997. Uniform line rows were harvested individually and 5 of the lines were planted separately near Yuma, AZ in the fall of 1997. The 5 lines were uniform in appearance, and were harvested as a bulk in April, 1998. This seed was designated “Breeder’s Seed” and used to plant approximately 32 acres near Bozeman in May, 1998. This production will be harvested in the fall of 1998 and designated “Foundation” seed. Foundation seed will be available to WPB’s associate companies in the spring of 1999 to produce Registered and Certified seed. Certified seed will be first available to growers in the spring of 2000.

Western Plant Breeders, Inc. will maintain Breeder seed by planting head rows when necessary. The certified classes of seed shall be: Foundation, Registered and Certified. Application will be made for protection under the Plant Variety Protection Act and the “Certified Option” **will not** be selected.