

1/4 From ah A.K.

A. Variety Name or Temporary Designation:

Yolo. Evaluated as UC 353 and CA70276-27D-1S-1D-1TL-1D-0D

B. Origin and Breeding History of the Variety:

Yolo is a pureline selection from the cross Bluebird sib X Anza. The cross was made by C. O. Qualset and H. E. Vogt at Davis, California in 1970. The F₁ plants of cross CA70276 were grown in the summer of 1970 and F₂ plants in the following year. Yolo derives from plant number 27 selected at Davis in 1971. The F₃ generation also was grown in 1971 in the summer nursery in Davis. Beginning in the F₄ generation, small-plot yield trials were conducted and the line tracing to plant 27 was further selected at Tulelake and Davis.

C. Description of the Variety:

Height: Short-statured; similar to Anza

Heading Time: Similar to Anza, often a few days earlier

Straw Strength: Good; similar to Anza

Shatter Resistance: Good; similar to Anza

Growth Habit: Spring type

Grain Color: Red; classed as hard red spring wheat

Kernel Characteristics: Bushel weight equivalent or slightly less than Anza. Yellowberry equivalent or slightly less than Anza.

Disease Reaction: Equivalent to Anza; resistant to stripe rust, susceptible to leaf rust.

Spike Characteristics: Fully-awned, white glumes. Spikes are similar to Anza but tend to nod more at maturity.

Quality: Good milling character. ~~Low protein, poor for breadmaking.~~

D. Evidence Supporting Identity and Performance:

Yolo was tested in UC regional wheat variety tests for five years, 1977-1981, strip trials in 1981, and various small plot tests at Tulelake and El Centro. Performance data are appended. Yolo has produced higher grain yields than Anza in regional tests (averaged 110% relative to Anza) and strip tests (averaged 105% relative to Anza). Its quality characteristics (data appended) are similar to Anza. The main attribute of Yolo is its significantly higher grain yield.

E. Area of Adaptation:

Yolo is well adapted to all irrigated areas where Anza is a successful variety. Performance data are not extensive for rainfed sites, but there was no advantage of Yolo over Anza in Yolo County rainfed tests. Because its breadmaking quality is not satisfactory by industry standards, Yolo is not recommended for areas in the San Joaquin Valley where varieties with acceptable breadmaking quality, such as Yecora Rojo, are very successful. Yolo will be a good alternative to Anza in the Sacramento Valley, the Delta area, and the northern San Joaquin Valley.