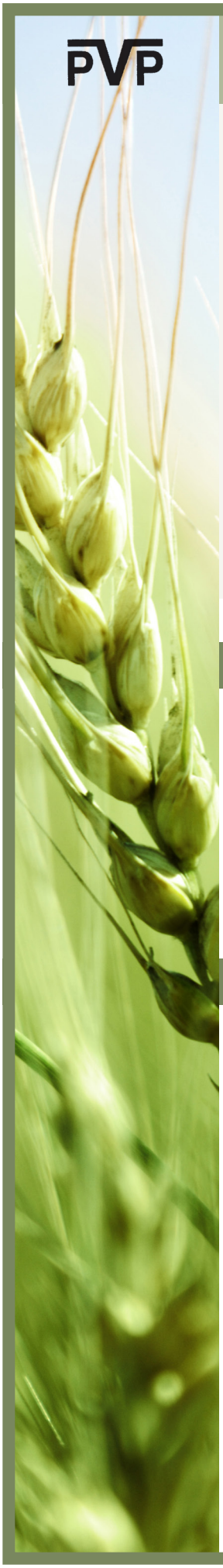

EPOCH

The USDA and the University of Nebraska Small Grains Improvement Team have developed and released Epoch. Epoch (tested as NE15420) is a hard red winter wheat selected from the cross of 'Hitch/'NW03666' made in 2009. Epoch was selected for release due to its exceptional performance under irrigation. Epoch is significantly higher yielding than Wesley (a very popular bronze chaff irrigated wheat variety known for its strong straw). Epoch performed acceptably in the rainfed trials, however, LCS Valiant, Ruth, Siege, and Robidoux outperformed it. Epoch is not recommended for rainfed production based on these results. Epoch's test weight and grain protein were good under irrigation like the best currently recommended irrigated varieties for test weight and grain protein. Epoch has acceptable milling and baking quality. It is a bright chaff, short statured semi-dwarf wheat variety that is slightly shorter than Wesley, with very good straw strength (i.e. lodging resistant) under irrigation. The winter hardiness of Epoch is good and comparable to other winter wheat varieties grown in Nebraska. Epoch is resistant to Soilborne wheat mosaic virus and stem rust, moderately resistant to stripe rust, and moderately susceptible to leaf rust. Epoch is moderately susceptible to Fusarium head blight (syn. scab), susceptible to Hessian fly, and based on genomic data, it is expected to be susceptible to wheat streak mosaic virus.

AGRONOMIC FEATURES

MATURITY	3
STRAW STRENGTH	6
PLANT HEIGHT	1
COLEOPTILE LENGTH	3
WINTER HARDINESS	4

DISEASE RATINGS

HESSIAN FLY	9
LEAF RUST	6
STEM RUST	1
STRIPE RUST	3
SOILBORNE	1
WHEAT STREAK MOSAIC	9
BUSHEL WEIGHT	2
GRAIN PROTEIN	5

NOTES

NEBRASKA CROP IMPROVEMENT ASSOCIATION

Certified quality by THE NEBRASKA CROP IMPROVEMENT ASSOCIATION

CERTIFIED

Maturity: 1 = Early, 5 = Late | Winter Hardiness: 1 = Tender, 5 = Hardy | Straw Strength: 1 = Weak, 6 = Strong | Plant Height: 1 = Short, 9 = Tall
Coleoptile Length: 1 = Short, 9 = Long | Disease Ratings: 1 = Resistant, 9 = Susceptible | Bushel Weight/Grain Protein: 1 = High, 9 = Low