

Choose from These Certified Varieties

(listed by maturity)

BENHUR is the earliest maturing variety available (2 days earlier than Monon). It is highly resistant to loose smut, leaf and stem rusts and powdery mildew. Benhur is resistant to Hessian fly races now attacking Monon, Redcoat, Riley and Reed. It is short and has straw strength superior to Monon, Knox 62, and Riley. Benhur has averaged 1-2 bu. more per acre than the other early varieties. It has only moderate winter hardiness and should not be used for late planting. Because of its increased disease protection and higher yields Benhur should replace Monon.

MONON is also a short, early maturing, high yielding variety, with good standing ability. Monon has moderate resistance to leaf rust and only fair resistance to loose smut. Monon is now susceptible to race B, a prevalent race of Hessian fly. Monon lends itself to delayed fall planting due to its very good winter hardiness.

KNOX 62 is early maturing and short, with fairly good standing ability but has shown increased lodging in the southern one half of the state. Knox 62 compares to the new Benhur variety in Hessian fly resistance and is similar to Monon in winter hardiness. Knox 62 escapes most rust damage but has poor resistance to loose smut.

RILEY is another short, early maturing, high yielding variety. The straw strength is superior to that of other early maturing wheats such as Monon and Knox 62. Riley is completely resistant to loose smut, and moderately resistant to rust damage. Riley is similar to Knox 62 and Redcoat but not equal to Monon in winter hardiness.

RILEY 67 is similar to Riley, however, because of its excellent resistance to new races of leaf rusts now able to attack Riley, Monon, and Knox 62, it should replace Riley in commercial production.

REDCOAT is midseason in maturity, medium height, with excellent standing ability and is HIGHLY recommended for production under high fertility conditions. This variety combines resistance to leaf and stem rusts, powdery mildew and mosaic, providing the best combination of disease resistance prior to the release of Benhur. However Redcoat offers only fair resistance to loose smut.

REED is midseason in maturity, medium height, superior in yield to other varieties now grown. It has excellent standing ability, good rust and Hessian fly resistance but poor resistance to loose smut. Reed is resistant to shattering. The test weight of Reed has been superior to other varieties.

SUMMARY OF FIELD PERFORMANCE TRIALS

IN VARIOUS TESTING LOCATIONS

THROUGHOUT THE STATE*

MATURITY COMPARISON

Benhur	0
Monon	1
Knox 62	1
Riley	4
Riley 67	4
Redcoat	9
Reed	10

RESISTANCE TO DISEASES

Variety	Powdery mildew	Leaf rust	Loose smut	Stem rust	Hessian Fly
Benhur	good	good	good	high	A,B
Monon	low	low	low	escps	A,C
Knox 62	good	low	mod	escps	A,B
Riley	low	low	excl	escps	A,C
Riley 67	low	excl	excl	escps	A,C
Redcoat	excl	excl	mod	res't	A,C
Reed	fair	excl	low	mod	A,C

Variety	Porter	Yield Bu. Per Acre	Tipp.	Rand.	Knox	Ave.
Benhur ††	50	65	51	60	55	
Monon	52	60	52	52	54	
Knox 62	50	63	50	47	53	
Riley	50	62	54	51	54	
Riley 67 †	52	65	42	49	52	
Redcoat	57	65	57	52	57	
Reed	53	63	53	50	55	

Test Wt. Lbs. Per Bu.

Benhur ††	58	60	59	58	59
Monon	57	60	57	58	58
Knox 62	58	61	58	59	59
Riley	58	60	57	58	58
Riley 67 †	58	59	55	59	58
Redcoat	58	61	58	59	59
Reed	59	61	59	59	59

% Lodging

Benhur ††	4	9	23	4	10
Monon	17	10	27	15	17
Knox 62	29	22	34	33	30
Riley	1	5	22	11	10
Riley 67 †	4	13	44	2	16
Redcoat	1	0	3	2	2
Reed	1	0	12	38	13

Plant Height (Inches)

Benhur ††	36	40	30	43	38
Monon	37	40	39	42	40
Knox 62	40	43	40	43	42
Riley	38	40	39	42	40
Riley 67 †	40	42	43	46	43
Redcoat	39	43	43	46	43
Reed	40	45	42	45	43

% Winter Survival

Benhur ††	100	96	97	100	98
Monon	98	98	96	100	98
Knox 62	98	98	96	100	98
Riley	99	98	97	100	98
Riley 67 †	100	100	97	100	99
Redcoat	98	97	96	100	98
Reed	97	97	96	100	98

* Data taken from the 1968 Research Bulletin No. 840. † Riley 67 data combines two year averages (1966-67) and †† Benhur data combines four year averages (1964-67), therefore, should not be directly compared to the other varieties which include five year data (1963-67). ** Data shown for Knox Co. also includes Daviess, Warrick, Vanderburgh, and Gibson counties.