



BIGG RED



HARD RED SPRING WHEAT

Bigg Red is a very high yielding HRSW with unmatched scab resistance. It has a moderate to high tillering habit and produces extremely high test weight seed with medium levels of protein. Bigg Red is a medium tall variety, 1 to 2 inches taller than 2375 but with slightly better standability. It is medium maturity, 1-2 days later to head than 2375. Bigg Red has a MS-S reaction to leaf rust, R-MR to stem rust, and MS to foliar disease. Bigg Red must be managed for leaf rust and standability. However, under proper management, Bigg Red can achieve excellent yields of high test weight seed in severely impacted scab areas.

MANAGEMENT STRATEGY

1. **Bigg Red is a medium maturity** variety that responds to early planting but can be planted on any reasonable planting date.
2. **Plant Bigg Red at normal populations** for your area. It has a moderate to high tillering habit.
3. **Fertilize** for a yield of about 80 to 100 bu (2.5 lbs of N/bu of yield to reach 14% protein), making sure that Sulfur levels are in balance with Nitrogen (5:1 in the soil and 10:1 in plant tissue). To manage height and standability, split applications may be appropriate.
4. **Provide an early (4-5 leaf stage) fungicide treatment** for leaf rust and foliar disease suppression.
5. **Fungicide treatment at flowering is optional** if leaf rust and foliar disease are not a problem.
6. **Harvest in a timely fashion.**
Bigg Red has a slight tendency to shatter.



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Improving Nature's Grains

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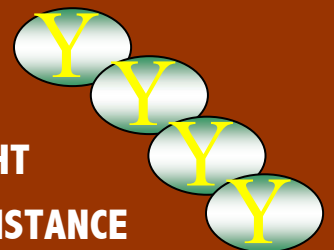
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HIGH YIELDING

MODERATE PROTEIN

VERY HIGH TEST WEIGHT

UNMATCHED SCAB RESISTANCE



BIGG RED IS PVP PENDING.

WE ENCOURAGE PRODUCERS TO TRY A FIELD OF A NEW VARIETY TO SEE HOW IT PERFORMS UNDER THEIR MANAGEMENT SYSTEM!

**NDSU Carrington Research Extension Center
2005 Variety Trial Data**

Hard Red Spring Wheat - Dryland											Carrington		
Variety	Days to Head	Plant Lodge 0-9	Plant Height inch	Leaf Disease %	Scab Plot Severity %	--- Grain Protein ---			1000 KWT gram	Test Weight lb/bu	---- Grain Yield ----		
						2-yr. 2005	3-yr. Avg.	3-yr. Avg.			2-yr. 2005	3-yr. Avg.	
AC Amazon	70.5	1.8	42.5	71.5	10.9	15.8	15.0	14.5	28.7	55.7	33.3	42.1	50.5
AC Superb	66.5	0.3	37.8	97.8	22.0	15.7	14.8	14.7	21.8	51.3	29.4	38.4	47.7
ACS 51631	74.0	0.0	39.1	34.0	0.9	15.1	13.9	13.6	20.8	54.8	42.4	50.0	57.9
ACS 51638	71.3	0.0	34.4	64.0	7.9	14.4	13.7	--	19.0	54.4	42.1	46.3	--
ACS 51651	71.0	0.0	35.8	35.5	5.7	16.6	15.7	15.6	22.7	55.9	44.6	55.1	60.3
AP603	70.0	0.0	39.8	84.3	3.3	16.2	--	--	18.9	56.1	32.0	--	--
Alsen	66.0	0.0	35.6	74.3	3.7	16.0	15.1	15.0	24.0	58.8	46.0	53.4	59.4
Argent	65.0	0.5	37.0	92.5	15.7	15.9	--	--	23.7	54.6	35.3	--	--
Banton	65.0	0.0	37.2	72.0	13.8	15.4	15.1	--	24.8	58.8	42.9	51.3	--
Bigg Red	67.8	1.5	37.7	77.3	3.6	14.4	--	--	25.9	61.9	54.5	--	--
Briggs	64.5	2.0	33.6	45.3	13.8	15.7	15.0	15.0	26.2	58.8	52.2	64.9	68.6
Buck Pronto	64.8	0.0	35.2	95.5	16.7	16.4	--	--	23.7	53.7	30.3	--	--
Dapps	66.3	1.0	40.5	26.5	13.8	16.7	16.1	16.0	24.0	55.3	39.9	49.8	58.0
ES54	70.5	1.3	39.6	50.5	13.5	16.9	14.8	15.2	27.8	56.1	40.4	48.4	56.1
Express	66.0	0.0	28.2	48.0	21.9	15.3	--	--	22.0	52.5	34.2	--	--
Freyr	66.5	0.3	37.4	42.3	4.7	15.3	14.6	--	23.6	56.8	46.5	52.8	--
Glenn	64.3	1.0	37.6	41.8	3.6	15.9	15.4	15.2	26.8	61.6	52.9	59.5	63.5
Granger	66.3	1.8	38.1	33.8	3.4	15.4	14.8	14.5	31.5	59.6	52.5	60.7	66.7
Granite	70.0	0.0	34.4	60.8	7.6	16.8	15.8	15.7	21.3	58.4	41.2	50.1	58.9
Gunner	70.0	0.3	38.5	82.5	9.9	16.4	15.1	15.1	20.8	58.2	36.7	44.7	54.1
Hanna	68.3	1.0	40.7	79.8	12.1	15.1	14.4	14.5	26.4	58.1	42.0	50.3	56.5
Ingot	63.8	2.0	38.1	100.0	7.0	15.2	14.0	14.2	23.5	60.1	41.0	44.9	54.2
Keystone	66.0	1.3	37.7	71.8	6.5	14.7	13.9	13.8	23.7	59.0	49.7	57.7	63.5
Knudson	68.3	0.5	37.4	29.0	7.9	14.4	13.8	13.8	24.7	57.6	51.5	61.9	68.5
Lolo	69.0	0.0	36.7	98.3	19.3	14.1	--	--	21.2	52.0	20.6	--	--
Norpro	66.8	0.0	36.5	57.8	11.1	15.2	14.3	14.1	21.0	51.8	34.3	46.3	57.1
Oklee	65.3	3.0	37.1	60.0	6.0	15.7	15.0	14.9	25.2	61.2	52.4	59.7	64.1
Oxen	65.5	0.5	34.4	94.5	6.9	15.1	14.5	14.2	21.3	53.9	42.9	47.3	57.1
Parshall	64.5	0.3	38.9	79.8	13.5	15.9	15.1	15.1	23.0	58.0	39.5	47.1	57.4
Polaris	74.0	0.0	37.3	33.3	5.8	14.7	13.8	--	23.3	56.0	48.9	51.7	--
Reeder	65.5	0.0	37.3	93.5	17.1	15.6	14.6	14.6	22.0	53.7	37.0	41.8	53.8
Russ	65.3	1.3	37.0	94.5	12.7	15.3	14.5	14.5	25.0	56.3	49.4	55.4	62.6
Saturn	72.8	0.0	35.8	33.5	7.6	16.1	15.0	--	25.0	52.0	40.5	50.2	--
Snowbird	67.0	1.5	39.2	91.0	5.3	15.5	--	--	22.8	57.1	38.8	--	--
Steele-ND	65.8	2.3	36.4	49.5	17.8	16.0	15.1	15.0	25.8	58.8	48.3	63.2	69.6
Trooper	64.0	0.0	32.5	57.5	18.4	14.7	14.1	--	25.3	56.0	39.2	53.4	--
Ulen	65.3	0.3	36.1	77.3	12.1	15.5	14.9	14.7	23.9	57.1	46.6	56.6	62.0
MEAN	67.2	0.8	36.5	61.3	11.3	15.6	---	---	23.9	56.7	43.2	---	---
C.V.%	1.6	96.7	7.2	23.8	64.9	2.0	---	---	5.6	1.7	9.3	---	---
LSD.05	1.5	1.1	3.6	20.3	10.2	0.4	---	---	1.9	1.3	5.5	---	---

Planting Date = April 21 ; Harvest Date = August 8 ; Previous Crop = Soybean

Leaf Disease = % of flag leaf with disease symptoms (combination of leaf rust, tan spot & septoria) at late milk - early dough.

** When reviewing the scab disease data, one must take into account the differences in variety maturity (heading dates) as this will influence the relative progression of the disease when the data was recorded.

**NDSU Carrington Research Extension Center
2005 Variety Trial Data**

Hard Red Spring Wheat - Irrigated										Carrington	
Variety	Days to Head	Plant Lodge 0-9	Plant Height inch	Leaf Disease %	--- Grain Protein ---			Test Weight lb/bu	----- Grain Yield -----		
					2005 ----- % -----	3-yr. Avg. -----	1000 KWT gram		2005 -----	2-yr. Avg. -----	3-yr. Avg. -----
ACS 51631	69.8	1.0	34.1	18	14.2	--	30.7	61.3	70.9	--	--
ACS 51638	67.3	1.0	28.9	28	13.7	--	29.7	61.5	64.1	--	--
ACS 51651	66.8	1.0	30.0	20	15.7	--	29.5	60.0	57.8	--	--
AP603	66.3	1.0	37.2	45	15.1	--	28.3	61.8	61.9	--	--
Alsen	62.5	1.0	32.2	29	15.8	15.3	30.7	61.8	56.0	69.3	71.5
Argent	61.3	1.0	33.7	48	15.2	--	32.4	60.3	54.6	--	--
Banton	61.8	1.0	34.8	46	14.8	--	32.3	62.0	59.2	72.8	--
Bigg Red	66.0	1.0	35.4	44	14.3	--	33.7	64.1	72.8	--	--
Briggs	59.5	1.5	32.1	37	15.1	14.5	32.7	60.8	68.3	85.9	84.6
Buck Pronto	59.8	1.0	32.3	54	15.7	--	32.6	59.1	54.4	--	--
ES54	65.5	1.3	40.0	56	15.1	14.9	35.0	57.5	55.4	66.6	71.8
Express	64.8	1.0	26.0	58	15.6	--	27.6	56.7	42.7	--	--
Freyr	64.8	1.0	31.6	33	14.6	--	30.8	60.7	62.4	75.8	--
Glenn	58.8	1.0	34.7	51	15.2	15.0	31.7	63.4	69.0	79.4	79.7
Granger	61.3	1.0	35.8	43	14.8	14.5	37.0	61.2	70.8	78.6	78.8
Granite	66.0	1.0	30.5	36	15.8	15.5	28.8	62.5	61.2	72.2	73.8
Gunner	66.8	1.0	36.3	36	15.4	14.8	27.6	62.1	58.5	70.0	69.1
Hanna	64.0	1.0	36.9	51	14.2	14.5	32.9	61.4	61.1	75.1	77.5
Keystone	63.0	1.0	34.1	32	14.0	13.8	30.0	61.4	68.9	77.0	75.0
Knudson	64.3	1.0	31.2	29	14.1	13.7	31.6	60.7	68.6	83.6	83.8
Lolo	65.0	1.0	33.1	38	14.4	--	34.7	60.6	60.3	--	--
Norpro	65.3	1.0	30.3	31	14.6	14.0	31.0	58.7	59.9	73.4	72.4
Oklee	60.0	1.3	32.2	50	15.0	14.9	31.6	62.2	65.3	79.5	79.9
Oxen	60.5	1.0	31.5	49	14.6	14.3	27.8	58.6	61.6	74.8	78.0
Parshall	62.5	1.0	36.2	27	15.2	14.7	31.1	61.5	60.7	72.6	74.0
Polaris	70.8	1.0	35.6	19	13.8	--	32.7	61.9	70.3	79.1	--
Reeder	61.5	1.0	32.9	41	15.2	14.8	29.9	59.1	52.5	67.1	70.1
Russ	60.0	1.0	34.2	45	14.7	14.0	30.9	59.2	71.1	80.5	81.9
Saturn	68.5	1.0	33.5	27	15.0	--	33.0	58.6	66.8	80.3	--
Snowbird	65.3	2.3	38.5	51	14.8	--	28.7	61.5	59.1	--	--
Steele-ND	60.0	1.8	31.9	43	15.1	14.8	30.9	61.2	60.2	77.1	78.2
Trooper	59.3	1.0	29.1	35	14.4	--	35.2	60.6	57.2	74.8	--
Ulen	61.5	1.0	32.5	55	15.4	15.0	31.6	60.1	59.5	75.4	76.8
MEAN	63.4	1.1	33.1	37.9	14.8	--	31.3	60.6	63.4	--	--
C.V.%	1.6	33.5	3.5	28.9	2.3	--	3.6	1.4	5.4	--	--
LSD.05	1.4	0.5	1.6	15.2	0.5	--	1.5	1.1	4.8	--	--

Planting Date = April 26 ; Harvest Date = August 16 ; Previous Crop = Soybean