

# HARD RED SPRING WHEAT



AGRICULTURE SHIPMENT BRIEF

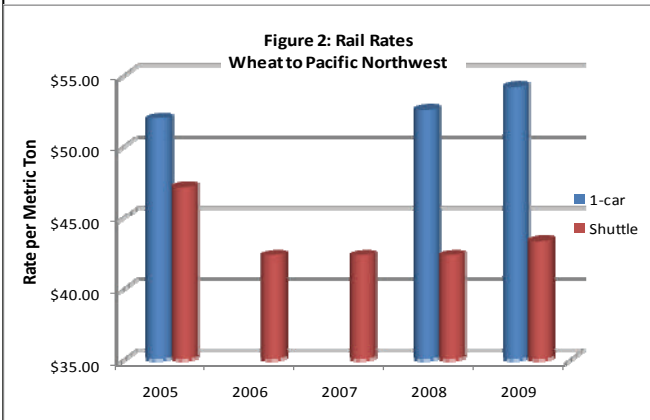
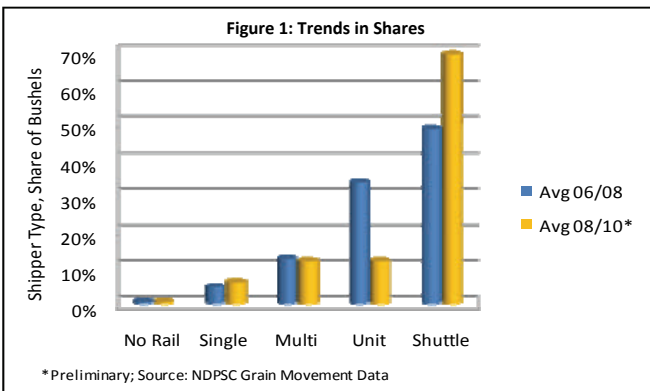
MARCH, 2010

North Dakota is a forerunner in the U.S. wheat industry, ranking second among states in total wheat production and first in production of durum and hard red spring wheat (North Dakota Wheat Commission 2010). This report summarizes some logistical trends associated with the movement of hard red spring wheat from elevator to domestic and export markets. Figure 1 illustrates a trend toward larger shipments in the wheat market. From 2006/08 to 2008/10, shuttle share increased from 49% to 70%. Further, rail rates to the Pacific Northwest continue to favor shuttles over single car shipments, as depicted in Figure 2 below.

## Markets

Hard red spring (HRS) wheat remains the leading crop planted in North Dakota (N.D. Agricultural Experiment Station, 2008), making it a key commodity in North Dakota agriculture. In fact, North Dakota accounts for nearly one-half of total HRS production in the United States. This wheat moves to domestic and export markets in both east- and west-bound shipments.

Shipments of HRS wheat originating from North Dakota elevators are most often bound for the Minneapolis gateway—with about one-third of shipments reportedly bound for this market. These shipments typically move beyond the gateway to U.S. domestic millers. The Pacific Northwest, a large U.S. grain port, is also a significant destination. It accounts for about 20% of the market share annually. Crop reporting district (CRD) origin detail for these markets, as well as a map of the North Dakota districts is provided on page 2.



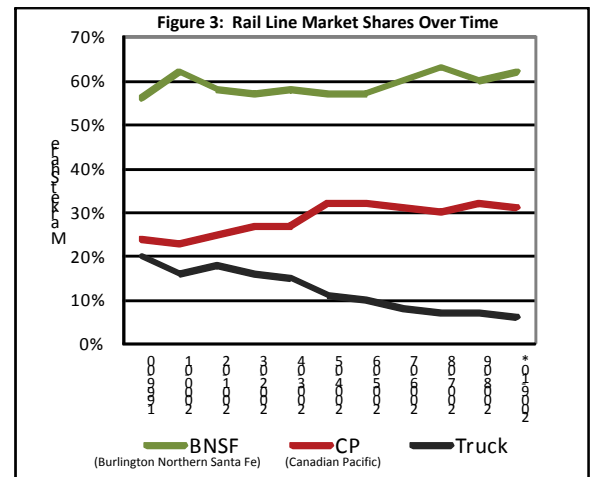
	Duluth	Mpls	Other MN & WI	Midland & Gulf	PNW	ND	Other	Total
1999-00	16%	29%	3%	9%	13%	6%	22%	177,450
2000-01	12%	32%	4%	12%	15%	5%	19%	200,068
2001-02	10%	30%	4%	10%	24%	7%	15%	197,644
2002-03	13%	33%	4%	12%	16%	7%	14%	193,462
2003-04	10%	36%	7%	10%	16%	7%	14%	243,408
2004-05	13%	33%	4%	9%	19%	7%	15%	240,592
2005-06	12%	28%	5%	12%	17%	7%	20%	232,312
2006-07	6%	29%	4%	11%	25%	7%	18%	229,280
2007-08	8%	30%	3%	12%	21%	7%	19%	263,465
2008-09	6%	35%	5%	7%	18%	7%	22%	192,735
2009-10*	10%	30%	4%	8%	18%	7%	23%	153,061

\*Preliminary

## Rail Market Shares

Figure 3 (lower right) shows the trends in market shares for Burlington Northern Santa Fe (BNSF)\* and Canadian Pacific (CP)\*\* rail lines as well as trucks for HRS wheat shipped from North Dakota elevators. BNSF has remained relatively steady, remaining the largest hauler of North Dakota wheat. CP shows an increase of market share between 1999 and 2010. Between 1999 and 2001 CP shares were 24% and 23%, respectively, growing to 30% and 32% between 2007 and 2009, respectively. The truck share has shown a steady decline from a 1999 share of 20% to just 6% in the preliminary 2010 figures for shipments from ND elevators for the 2009/10 marketing year.

\*Includes RRWV \*\*Includes DMVV and NRP



# Destinations for Hard Red Spring Wheat Shipments from ND CRD's (1000 Bushels)\*\*

CRD 1 - Northwest							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	1%	14%	12%	65%	1%	6%	16,171
2001-02	4%	9%	2%	77%	3%	5%	16,831
2002-03	11%	7%	1%	72%	3%	6%	15,740
2003-04	1%	12%	2%	76%	6%	3%	17,820
2004-05	0%	9%	2%	73%	5%	11%	21,945
2005-06	4%	33%	4%	44%	10%	4%	20,892
2006-07	0%	13%	7%	69%	7%	2%	24,971
2007-08	1%	18%	4%	62%	4%	10%	27,135
2008-09	1%	31%	8%	50%	6%	4%	19,164
2009-10*	5%	39%	9%	28%	6%	12%	22,733

CRD 2 - North Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	7%	43%	8%	29%	7%	6%	9,090
2001-02	13%	26%	5%	47%	6%	3%	10,185
2002-03	20%	11%	14%	51%	4%	0%	16,063
2003-04	23%	13%	16%	37%	3%	7%	20,998
2004-05	20%	17%	15%	27%	3%	17%	23,765
2005-06	17%	22%	10%	22%	3%	26%	24,767
2006-07	5%	42%	15%	23%	2%	14%	24,889
2007-08	10%	34%	13%	21%	3%	19%	28,203
2008-09	5%	29%	12%	28%	3%	23%	18,905
2009-10*	9%	18%	4%	6%	3%	60%	11,862

CRD 3 - Northeast							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	2%	33%	8%	1%	14%	24%	46,282
2001-02	18%	30%	6%	4%	23%	19%	39,363
2002-03	17%	43%	5%	1%	18%	16%	54,305
2003-04	10%	46%	5%	4%	15%	20%	70,521
2004-05	17%	38%	5%	5%	15%	20%	67,782
2005-06	11%	32%	10%	9%	12%	26%	62,748
2006-07	7%	36%	7%	10%	15%	26%	66,731
2007-08	9%	36%	9%	10%	12%	24%	75,259
2008-09	5%	38%	3%	9%	12%	33%	65,227
2009-10*	16%	21%	4%	14%	14%	31%	34,229

CRD 4 - West Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	3%	48%	1%	22%	1%	25%	6,301
2001-02	5%	76%	2%	8%	1%	8%	6,716
2002-03	1%	79%	3%	7%	1%	10%	7,501
2003-04	3%	72%	6%	6%	5%	8%	9,017
2004-05	4%	68%	8%	2%	8%	9%	11,786
2005-06	9%	34%	5%	0%	5%	46%	13,511
2006-07	7%	28%	25%	6%	8%	26%	12,321
2007-08	5%	28%	19%	7%	6%	35%	18,021
2008-09	3%	30%	7%	14%	9%	36%	12,186
2009-10*	0%	28%	13%	19%	10%	30%	14,269

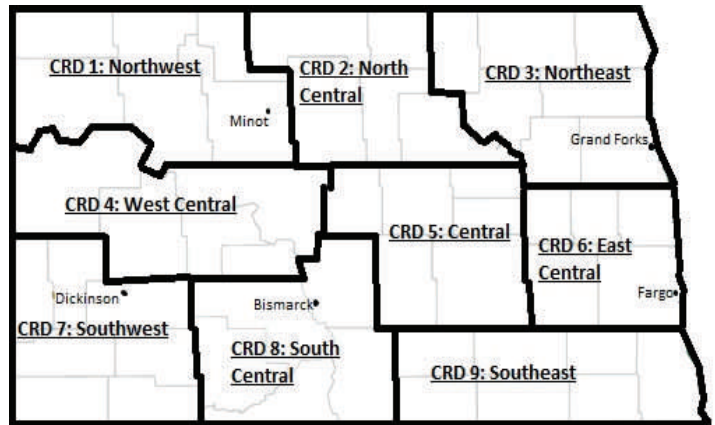
CRD 5 - Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	11%	33%	30%	2%	3%	22%	22,214
2001-02	5%	39%	9%	23%	3%	20%	23,570
2002-03	13%	49%	17%	1%	3%	17%	20,394
2003-04	8%	50%	7%	10%	4%	21%	24,206
2004-05	17%	48%	15%	8%	2%	11%	30,261
2005-06	27%	36%	21%	1%	9%	7%	24,392
2006-07	11%	43%	14%	7%	4%	20%	24,161
2007-08	7%	55%	7%	5%	10%	16%	28,867
2008-09	9%	53%	9%	3%	6%	19%	22,552
2009-10*	10%	57%	6%	2%	4%	21%	15,722

CRD 6 - East Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	19%	30%	16%	2%	2%	31%	33,091
2001-02	17%	21%	20%	11%	2%	28%	35,474
2002-03	23%	23%	27%	1%	6%	21%	32,793
2003-04	21%	25%	25%	16%	1%	12%	38,292
2004-05	15%	34%	11%	21%	2%	17%	28,650
2005-06	10%	13%	18%	48%	4%	6%	25,117
2006-07	6%	21%	14%	55%	3%	0%	28,960
2007-08	15%	16%	11%	37%	6%	15%	26,023
2008-09	3%	23%	16%	42%	4%	5%	22,834
2009-10*	19%	14%	21%	33%	3%	10%	12,566

CRD 7 - Southwest							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	6%	15%	17%	49%	3%	10%	27,822
2001-02	5%	9%	17%	62%	4%	5%	27,684
2002-03	0%	21%	18%	50%	2%	9%	17,940
2003-04	5%	48%	12%	25%	1%	10%	24,874
2004-05	11%	14%	18%	46%	3%	8%	27,393
2005-06	13%	29%	10%	18%	0%	30%	27,312
2006-07	7%	13%	12%	39%	0%	29%	22,790
2007-08	10%	12%	26%	40%	0%	12%	32,956
2008-09	24%	41%	8%	4%	1%	22%	9,734
2009-10*	13%	22%	12%	32%	2%	19%	24,827

CRD 8 - South Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	5%	84%	3%	2%	0%	6%	12,822
2001-02	1%	93%	3%	1%	0%	2%	11,688
2002-03	1%	84%	9%	4%	1%	1%	8,530
2003-04	3%	87%	6%	1%	2%	1%	12,047
2004-05	6%	79%	12%	1%	1%	1%	12,522
2005-06	0%	81%	13%	1%	1%	4%	11,666
2006-07	1%	90%	5%	1%	1%	3%	5,737
2007-08	1%	84%	8%	1%	5%	2%	10,983
2008-09	0%	84%	10%	0%	7%	0%	4,423
2009-10*	1%	86%	8%	0%	3%	3%	7,623

CRD 9 - Southeast							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
2000-01	13%	58%	3%	0%	0%	24%	26,276
2001-02	5%	65%	8%	0%	5%	17%	26,128
2002-03	8%	62%	4%	0%	2%	24%	20,196
2003-04	5%	61%	5%	0%	6%	23%	25,632
2004-05	5%	60%	3%	0%	4%	27%	29,007
2005-06	7%	49%	15%	3%	3%	23%	21,907
2006-07	6%	33%	11%	25%	7%	18%	18,719
2007-08	5%	57%	12%	2%	2%	22%	16,018
2008-09	0%	70%	4%	5%	1%	19%	17,659
2009-10*	10%	34%	8%	18%	7%	23%	9,230



Map of North Dakota Crop Reporting Districts

\*Results are Preliminary

\*\*One metric ton = 36.74 Bushels

Patterns and methods of shipping HRS wheat per the Annual North Dakota Elevator Marketing Report and the North Dakota Grain And Oilseed Transportation Statistics report. The complete reports and additional market information are available at <http://www.ugpti.org/resources/grain/>.

North Dakota Wheat Commission (n.d.). Buyers and Processors. Retrieved May 26, 2010, from <http://www.ndwheat.com/buyers/>  
 North Dakota Hard Red Spring Wheat: Variety Trial Results for 2008 and Selection Guide, N.D. Agricultural Experiment Station. NDSU Extension Service.

References:

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