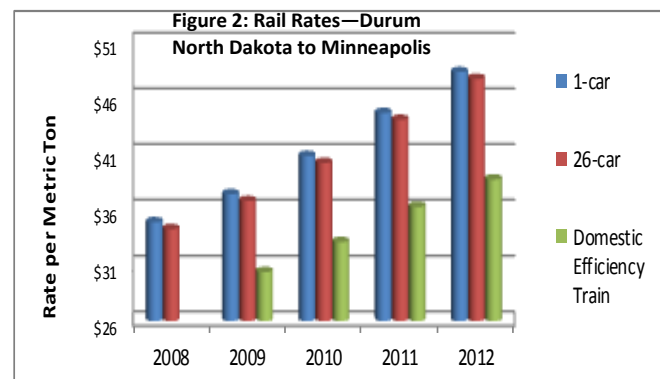
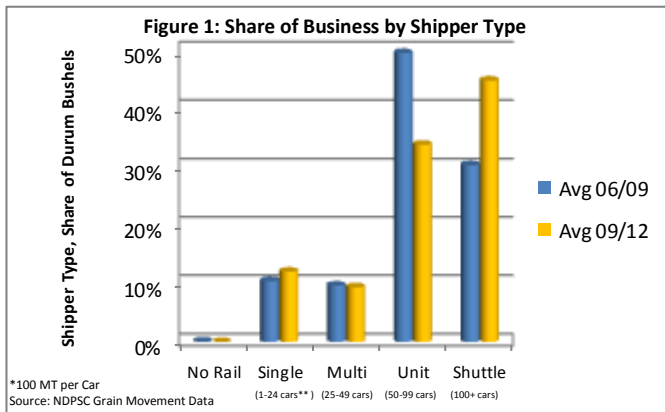


# DURUM

Annual U.S. durum production is around 2.3 million metric tons. More than 75% of land dedicated to durum wheat in the United States is located in North Dakota, followed by Montana, California, and Arizona.

Logistical data presented in this report reviews trends associated with the movement of durum from North Dakota elevators to markets. Figure 1 below illustrates a growing tendency over time toward larger shuttle shipments. From 2006-09 to 2009-12 shuttle share increased from 30% to 45%, while during the same time unit share decreased from 50% to 34%.



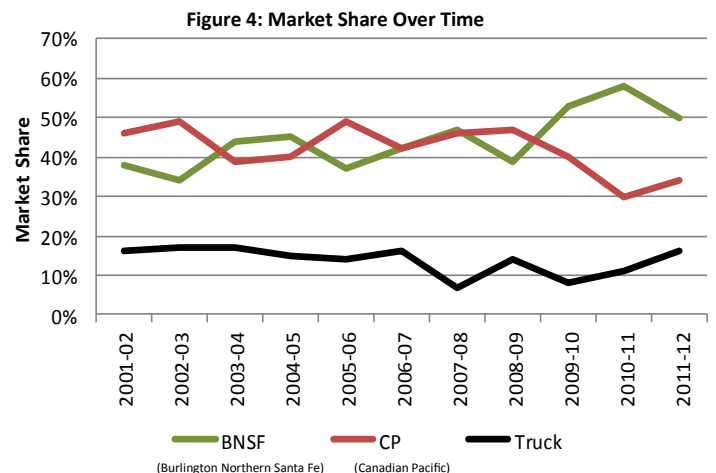
**Rail Market Shares** Two major railroads provide service to North Dakota: Burlington Northern Santa Fe (BNSF) and Canadian Pacific (CP). Figure 4 shows the trends in market shares for BNSF\* and CP\*\* rail lines, as well as trucks, for durum shipped from North Dakota elevators. After showing a sharp increase in the previous three crop years, reaching a high of 58% in 2010-11, BNSF's market share dipped slightly in 2011-12 to 50%. CP's market share has fluctuated, but shows a decline between 2001 and 2012 with percentages of 46% and 34% respectively. Although the truck share has shown a fairly steady decline, it shifted upwards from 8% in 2009-10 to 16% in 2011-12.

**Markets** Durum, used primarily for pasta products in the United States, is consumed at a rate of more than 19 lbs. per capita every year. Export demand is based in Europe, North Africa, and Latin America, where durum is used in pasta, bread, and couscous.

Destination statistics (Figure 3) reveal that durum from North Dakota elevators has favored the Duluth and local markets. Minneapolis and Midland shipments typically move beyond the gateway to U.S. domestic millers. The Duluth shipments are destined for major export customers in Europe and North Africa. This pattern altered in 2011-12 where the combined market share was 30% due to larger shares moving to the Midland/Gulf area and destinations within ND. Overall destination percentages remain fairly consistent for all ports. Crop reporting district (CRD) origin detail for these markets is provided on page 2, along with a world map depicting top markets and export points.

**Figure 3: Destination for Durum Originating from ND Elevators**  
ND PSC Grain Movement Summary, June-July Market Year  
1,000 Bushels

	Duluth	Mpls	Other MN & WI	Midland & Gulf	ND	Other	Total
Previous							
5 Yr Avg	19%	25%	11%	19%	18%	7%	48,727
2007-08	36%	20%	8%	17%	11%	6%	47,900
2008-09	13%	29%	7%	25%	22%	4%	21,911
2009-10	32%	20%	9%	16%	11%	10%	42,698
2010-11	33%	14%	7%	14%	15%	17%	52,786
2011-12	16%	14%	8%	20%	25%	16%	24,249



**Destinations for Durum Shipments from ND CRD's**  
(1000 Bushels)\*\*

CRD 1 - Northwest								CRD 2 - North Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	21%	26%	25%	0%	23%	5%	30,401	Previous 5 Yr Avg	32%	36%	6%	0%	17%	9%	2,067
2007-08	40%	23%	20%	0%	11%	5%	33,798	2007-08	5%	35%	0%	0%	25%	33%	1,404
2008-09	16%	34%	26%	0%	21%	3%	16,797	2008-09	1%	28%	4%	0%	66%	1%	584
2009-10	39%	23%	16%	3%	11%	8%	30,675	2009-10	18%	39%	1%	0%	41%	2%	1,116
2010-11	44%	11%	16%	1%	13%	15%	34,073	2010-11	3%	23%	4%	0%	57%	13%	2,400
2011-12	20%	19%	20%	2%	28%	10%	14,862	2011-12	12%	12%	0%	0%	60%	15%	816

CRD 3 - Northeast								CRD 4 - West Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	33%	29%	5%	0%	17%	15%	2,395	Previous 5 Yr Avg	3%	54%	20%	0%	14%	8%	4,808
2007-08	16%	17%	0%	0%	20%	46%	887	2007-08	2%	42%	24%	0%	32%	0%	3,450
2008-09	1%	13%	65%	0%	14%	7%	508	2008-09	0%	41%	26%	0%	33%	0%	1,620
2009-10	2%	53%	0%	0%	13%	32%	145	2009-10	4%	51%	23%	1%	20%	1%	3,406
2010-11	10%	29%	0%	5%	20%	36%	975	2010-11	1%	37%	17%	0%	26%	19%	5,084
2011-12	3%	24%	5%	5%	25%	37%	578	2011-12	3%	9%	46%	0%	36%	6%	2,821

CRD 5 - Central								CRD 6 - East Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	9%	57%	8%	0%	13%	14%	1,603	Previous 5 Yr Avg	16%	60%	0%	0%	23%	0%	212
2007-08	29%	47%	4%	0%	10%	11%	1,215	2007-08	2%	71%	0%	0%	2%	25%	138
2008-09	3%	47%	0%	0%	24%	25%	440	2008-09	0%	0%	0%	0%	0%	0%	0
2009-10	16%	24%	6%	0%	11%	43%	683	2009-10	0%	0%	0%	0%	85%	15%	56
2010-11	28%	14%	21%	0%	6%	31%	1,485	2010-11	0%	0%	0%	0%	0%	0%	0
2011-12	0%	34%	19%	0%	22%	24%	679	2011-12	0%	100%	0%	0%	0%	0%	60

CRD 7 - Southwest								CRD 8 - South Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	16%	65%	8%	3%	4%	4%	6,886	Previous 5 Yr Avg	0%	90%	1%	0%	9%	0%	139
2007-08	41%	44%	9%	1%	0%	4%	6,567	2007-08	0%	100%	0%	0%	0%	0%	85
2008-09	11%	51%	24%	1%	4%	11%	1,781	2008-09	0%	70%	0%	0%	30%	0%	56
2009-10	16%	44%	16%	3%	2%	19%	6,564	2009-10	0%	84%	0%	0%	16%	0%	53
2010-11	20%	49%	7%	2%	4%	17%	8,730	2010-11	16%	84%	0%	0%	0%	0%	30
2011-12	16%	36%	6%	1%	3%	39%	4,409	2011-12	0%	0%	0%	0%	100%	0%	23

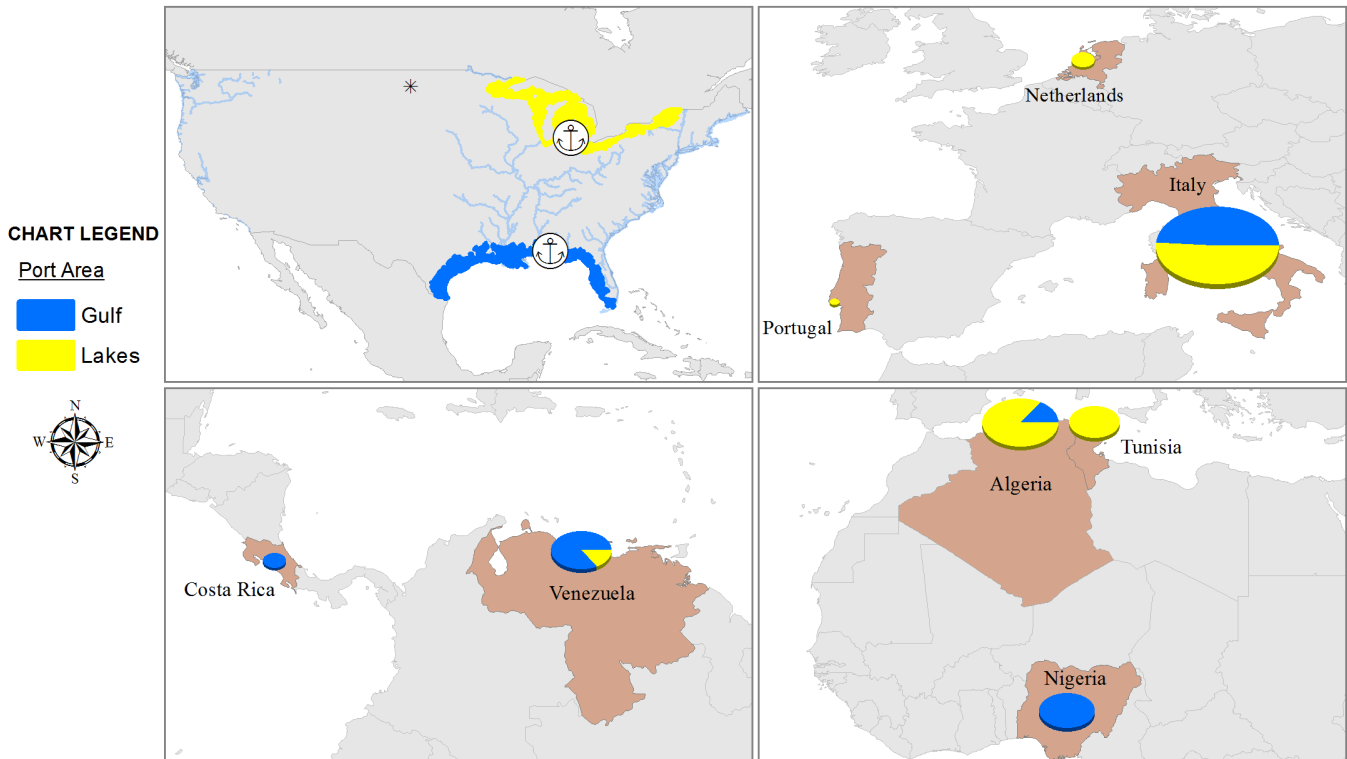
  

CRD 9 - Southeast							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	4%	81%	0%	0%	5%	10%	215
2007-08	0%	100%	0%	0%	0%	0%	356
2008-09	0%	96%	0%	0%	11%	0%	124
2009-10	0%	0%	0%	0%	0%	0%	0
2010-11	0%	79%	0%	0%	21%	0%	9
2011-12	0%	0%	0%	0%	100%	0%	1

\*\*One metric ton = 36.74 Bushels

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

**Durum Export by Region and Port Area**



NDSU Agriculture and University Extension, N.D. *Durum Wheat Production*. Accessed online June 23, 2010, at <http://www.ag.ndsu.nodak.edu/plantsci/breeding/durum/production.htm>

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The content of this report reflects the views of authors, who are responsible for facts and accuracy of the information. This document is disseminated under the sponsorship of the ND Wheat Commission.

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