

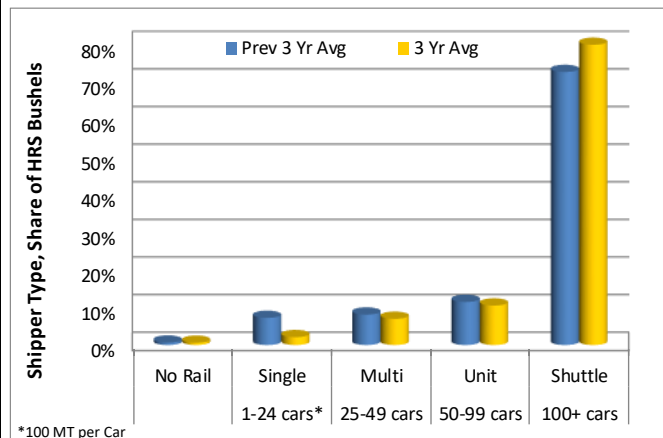
# HARD RED SPRING WHEAT

## AGRICULTURE SHIPMENT BRIEF

SUMMER 2018

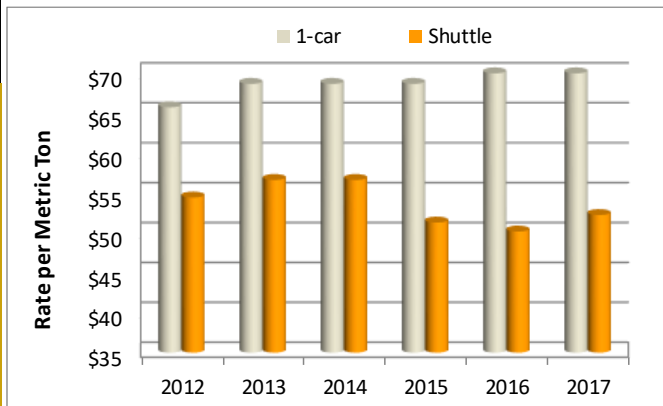
**North Dakota** is a forerunner in the U.S. wheat industry, ranking second among states in total wheat production and first in production of hard red spring wheat. This report summarizes some logistical trends associated with the movement of hard red spring wheat from elevator to domestic and export markets. Figure 1 shows a dominance of larger elevators, in terms of car track capacity, for marketing HRS wheat. Shuttle facilities share during the most recent 3-year time frame was 80%. Further, rail rates to the Pacific Northwest continue to favor shuttles over smaller shipments, as shown in Figure 2 below.

Figure 1: Share of Business by Elevator Shipper Type



Source: NDPSC Grain Movement Data

Figure 2: Rail Rates—Wheat, North Dakota to Pacific Northwest



## Rail Market Shares

Figure 4 shows the trends in market share for Burlington Northern Santa Fe Railway (BNSF)\*, Canadian Pacific Railway (CP)\*\*, and trucks for HRS wheat shipped from North Dakota elevators. BNSF remains the largest hauler of North Dakota wheat - 68%. CP's share of shipments from ND elevators is consistent with previous years at 24%. The truck share is 8% during this market year.

\*Includes RRVW \*\*Includes DMVW and NPR

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

Portland (PNW) remained ahead of other destinations as a market for shipments of HRS wheat originating from North Dakota elevators in 2016-17 (Figure 3). WI/Other MN and Midland shipments typically move beyond the gateway to U.S. domestic millers. The Pacific Northwest is a large U.S. grain port and important gateway to Asian markets.

Crop reporting district (CRD) origin detail for these markets is provided on page 2, along with specifics on markets and export points.

Figure 3: Destination for HRS Wheat Originating from ND Elevators

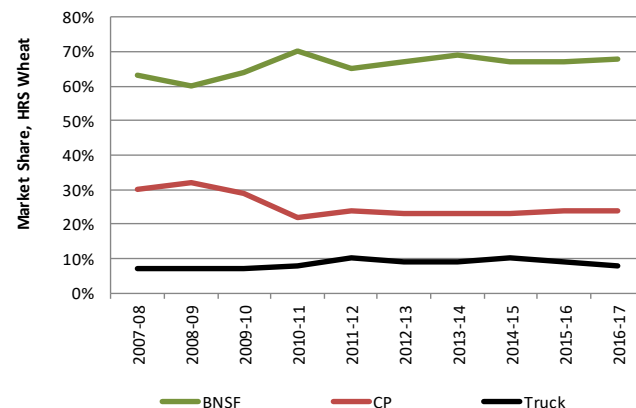
ND PSC Grain Movement Summary, July-June Market Year							
	1,000 Bushels						Total
	Duluth	WI/Other MN	Midland & Gulf	PNW	ND	Other	
Previous 5 Yr Avg	6%	31%	10%	20%	7%	25%	248,156
2012-13	4%	18%	11%	24%	9%	35%	231,495
2013-14	4%	16%	11%	28%	8%	33%	250,168
2014-15	5%	15%	11%	25%	9%	35%	284,631
2015-16	3%	14%	11%	32%	8%	33%	283,666
2016-17	4%	19%	8%	36%	7%	26%	305,961

WI/Other MN includes Minneapolis, southeastern Minnesota and Chicago gateway

Midland & Gulf includes states west of the Mississippi River not in any other column: MO, AR, LA, KS, OK, TX, MT, WY, CO, NM, AZ, NV, CA

Other includes other states primarily east of Chicago, Canada, Mexico, and unknown

Figure 4: Rail Line Market Shares Over Time



# Destinations for Hard Red Spring Wheat 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	4%	21%	7%	50%	5%	13%	26,374	Previous 5 Yr Avg	5%	24%	11%	23%	3%	33%	22,461
2012-13	3%	11%	6%	62%	2%	16%	36,381	2012-13	2%	20%	1%	16%	4%	57%	19,431
2013-14	4%	9%	9%	65%	3%	10%	35,864	2013-14	2%	13%	7%	22%	4%	52%	18,289
2014-15	9%	11%	13%	51%	6%	10%	43,731	2014-15	3%	9%	7%	48%	6%	28%	22,765
2015-16	4%	7%	11%	66%	3%	9%	44,357	2015-16	0%	4%	8%	65%	7%	16%	19,981
2016-17	1%	8%	8%	75%	2%	5%	39,505	2016-17	2%	9%	9%	56%	1%	23%	27,502

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	9%	29%	8%	11%	13%	30%	76,371	Previous 5 Yr Avg	2%	25%	13%	12%	8%	39%	17,226
2012-13	4%	19%	14%	10%	19%	35%	63,935	2012-13	0%	8%	11%	34%	2%	45%	18,635
2013-14	4%	17%	11%	4%	17%	46%	65,839	2013-14	0%	5%	8%	33%	5%	49%	19,696
2014-15	4%	13%	8%	8%	16%	51%	85,138	2014-15	0%	8%	9%	31%	2%	49%	22,359
2015-16	4%	14%	7%	8%	15%	52%	76,852	2015-16	4%	6%	6%	28%	5%	51%	19,246
2016-17	5%	14%	7%	17%	14%	45%	90,353	2016-17	7%	38%	3%	37%	1%	13%	20,218

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	7%	40%	8%	8%	8%	30%	26,983	Previous 5 Yr Avg	9%	20%	17%	35%	7%	12%	24,506
2012-13	10%	25%	8%	9%	12%	36%	17,535	2012-13	5%	15%	12%	9%	14%	46%	18,984
2013-14	7%	20%	15%	6%	12%	41%	17,960	2013-14	5%	25%	18%	8%	15%	29%	16,962
2014-15	13%	12%	9%	13%	10%	43%	23,398	2014-15	10%	16%	24%	9%	16%	25%	19,996
2015-16	5%	7%	9%	33%	9%	37%	24,938	2015-16	5%	22%	32%	3%	12%	27%	21,818
2016-17	10%	7%	4%	46%	6%	27%	29,574	2016-17	8%	41%	11%	11%	9%	20%	27,244

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	11%	20%	14%	33%	1%	21%	28,109	Previous 5 Yr Avg	1%	78%	12%	1%	5%	4%	9,918
2012-13	4%	16%	15%	36%	0%	29%	37,521	2012-13	2%	41%	12%	10%	6%	29%	9,599
2013-14	2%	5%	11%	60%	1%	21%	43,677	2013-14	6%	31%	13%	25%	2%	23%	21,377
2014-15	5%	15%	11%	36%	1%	33%	33,579	2014-15	2%	33%	15%	27%	6%	17%	22,504
2015-16	3%	6%	10%	46%	2%	33%	41,109	2015-16	0%	30%	15%	34%	0%	21%	22,582
2016-17	2%	10%	15%	54%	0%	17%	36,591	2016-17	3%	36%	12%	30%	1%	17%	19,831

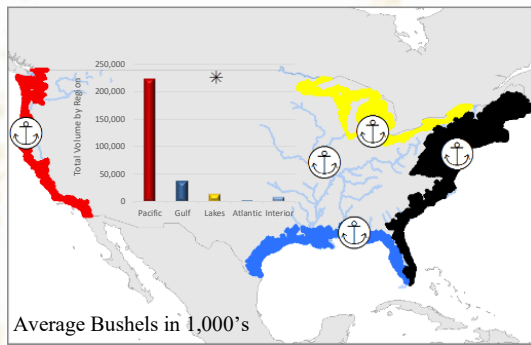
  

CRD 9 - Southeast							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	2%	57%	7%	4%	3%	27%	16,206
2012-13	0%	40%	8%	0%	11%	41%	9,025
2013-14	3%	50%	4%	0%	9%	33%	10,505
2014-15	2%	48%	4%	7%	3%	36%	11,162
2015-16	1%	50%	2%	0%	14%	33%	13,783
2016-17	0%	47%	2%	1%	14%	37%	16,143

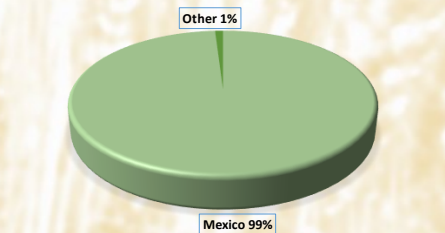
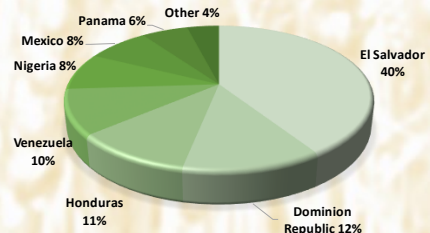
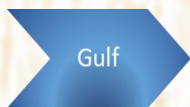
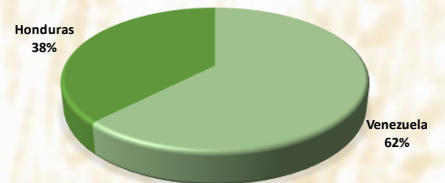
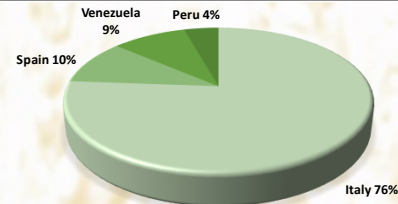
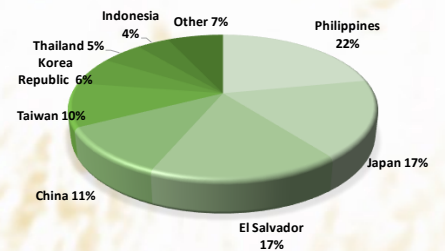
\*\*One metric ton = 36.74 Bushels

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, CRD map, and additional market information are available at <http://www.ugpti.org/resources/grain/>.

## Port Area



## HRS WHEAT EXPORT BY REGION AND PORT AREA RECENT 3-YEAR AVERAGE



Source: U.S. Department of Agriculture

North Dakota Wheat Commission (N.D.) Buyers and Processors. Retrieved Oct 2017, from <http://www.ndwheat.com/buyers/>

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

NDSU does not discriminate in its programs and activities on the basis of age, color, gender expression/identity, genetic information, marital status, national origin, participation in lawful off-campus activity, physical or mental disability, pregnancy, public assistance status, race, religion, sex, sexual orientation, spousal relationship to current employee, or veteran status, as applicable. Direct inquiries to Vice Provost for Title IX/ADA Coordinator, Old Main 201, NDSU Main Campus, 701-231-7708, [ndsueoaa@ndsu.edu](mailto:ndsueoaa@ndsu.edu).

For more information contact:  
[info@ugpti.org](mailto:info@ugpti.org) • (701) 231-7767  
NDSU Dept 2880 • P.O. Box 6050  
Fargo, ND • 58108-6050