

# 2019 Hard Spring Wheat and Durum Tour July 22-25

## Trip Summary

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We had 63 people drive or ride with us on this year's tour. At least 45 had no scouting experience. Five countries represented in addition to the US. Our annual "who traveled the farthest award" went to a grain trader in Beijing. Also had representatives from Chile, Mexico and Canada. Great representation across the value chain with growers, university people, seed companies, media, millers, plant breeders, grain companies and bakers all contributing scouts. We ran 15 cars across our eight standard routes beginning and ending in Fargo, ND with overnight stops in Bismarck and Devils Lake. We used yield formulas supplied by NDSU. We change cars assignments each day and try to have some expertise in each car to train those inexperienced. We are joined each night by local producers, agronomists and grain handlers to offer local insight. We take an average of all of our stops and report it to the trade. This year's crop tour will be remembered by all of the regular attendees as trying to be as careful as possible with our stops and measurements knowing we missed last year's NASS numbers. The weather for our trip was perfect and the topsoils were dry. We fought the morning mosquitoes and a few ticks. This year's two diseases were fusarium scab and bacterial leaf streak. We found both but thought losses would not be severe. No bugs and only occasional grasshoppers to startle those unfamiliar. Yields reported were again below government estimates. The wheat crop is certainly late as are the other summer crops. Lots of fields are shorter than normal due to excessive wet soils, dryness in the north, late planting and disease. Harvest expectations are for two to five weeks away.

We stopped at 356 spring wheat fields and the average was 43.1 bushels per acre. This would be two bushels per acre more than we got last year. We only stumbled across 15 durum fields as acreage continues to decline and move further west in the region. Yield average was 32.0 bushels per acre.

Our tour is first and foremost a training event. We get people out in the fields who are unfamiliar. They learn about farming, wheat and the spring wheat states.

As in every year our tour took a snapshot in time as best, we could. Environmental conditions over the next few weeks will determine this crop. All of our data is available on our website. In addition to the four media representatives on the tour I spoke to all radio and other media that requested. We continue to have great participant feedback and we certainly bring value to the industry as evidenced by our attendance.

Respectfully submitted, Dave G Green Exec VP Wheat Quality Council

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DAY 1

## 2019 SPRING WHEAT CROP TOUR

*23-Jul-19*

Route	Class	Est. 2019	Calc. 2019	Std Dev	Hi	Lo	# Fields	2018	2017	2016	2015	2014	2013	2012
Purple #1	HRS							39.7	38.1	56.3	57.9	65.5	52.0	54.5
	DUR													
	HRW								52.3			40.8		
Green #2	HRS	45.0	41.6	12.5	63.3	25.2	6	36.2	40.7	37.2	48.8	50.9	40.8	38.5
	DUR						0		40.0					
	HRW						0		59.0	47.2				
Yellow #3	HRS	54.7	52.6	13.2	84.0	35.0	10	37.6	32.4	61.5	53.9	47.0	46.4	40.1
	DUR						0		37.0					
	HRW						0					44.0	43.1	
Orange #4	HRS	51.4	46.6	8.8	55.5	25.5	12	40.3	43.9	41.7	53.4	44.9	47.7	48.8
	DUR	52.3	58.3	0.0	58.3	58.3	1							
	HRW						0		27.9	38.5			29.4	
Red #5	HRS	49.5	49.1	15.8	80.0	25.2	10	39.1	39.1	45.7		42.0	57.9	35.6
	DUR						0		67.2				76.7	
	HRW						0						49.3	
Pink #6	HRS		42.7	12.9	73.5	29.0	11	38.7	30.8	40.4	42.7	44.3	34.0	49.2
	DUR						0							
	HRW						0							
Blue #7	HRS	41.7	38.8	10.2	58.3	18.3	13	35.1	13.9	34.5	49.6	45.6	48.3	39.1
	DUR						0							40.2
	HRW						0					57.0		
Black #8	HRS		37.5	15.0	65.2	13.5	11	37.7	25.2	39.5	42.7	39.2	33.5	33.6
	DUR						0	29.2			32.0			
	HRW						0							
Purple #9	HRS		36.6	7.7	56.3	29.0	10		47.1	43.5	53.0		43.5	48.0
	DUR						0							
	HRW						0			23.2	50.0			
Green #10	HRS	35.6	32.8	7.2	47.4	20.6	11	47.2	49.6	48.9	51.6		39.1	46.8
	DUR	28.0	26.2		26.2	26.2	1		63.0					
	HRW						0							
Yellow #11	HRS	44.1	41.3	8.8	57.2	26.5	10	39.9	53.6	44.9	47.0	45.8	46.3	43.0
	DUR						0				25.2			
	HRW						0							
Orange #12	HRS	37.3	38.1	8.8	51.3	25.0	12		45.3	41.0	57.3	64.8	48.3	42.8
	DUR						0		50.3	40.3	54.0			
	HRW						0							
Red #13	HRS		41.4	13.1	62.0	23.7	11	50.4	48.3	40.4	59.2	53.0	46.5	46.4
	DUR						0							
	HRW						0			32.6				
Pink #14	HRS	48.9	61.4	23.0	96.2	26.0	11	31.9	34.3	46.2	59.4	43.2	39.1	42.1
	DUR						0	48.2		52.5			41.4	
	HRW						0					33.2		
Blue #15	HRS	48.3	43.4	11.0	60.0	22.9	15	34.3	15.8	29.8	45.8	33.1	39.3	34.0
	DUR						0							17.0
	HRW						0			35.0			30.9	30.0
Black #16	HRS						0		28.6	40.4	39.7		32.7	41.0
	DUR						0			37.5				
	HRW						0				43.0			

	EST.	CALC.	SD	Flds		2018	2017	2016	2015	2014	2013	2012
Wt. Avg.	45.5	43.1	14.0	155	Wt. Avg.	38.8	38.8	42.9	50.7	48.1	43.5	42.6
HRS	45.6	43.1	14.0	153	HRS	38.9	37.9	43.1	51.1	48.3	43.3	42.9
DUR	40.2	42.3	22.7	2	DUR	35.5	53	45.7	38.1		53.1	28.6
HRW					HRW		46.4	35.4	46.5	42.9	47	30.3
					Fields HRS	135	194	173	166	156	195	171
					Fields DUR	3	10	4	5	0	3	2
					Fields HRW	0	3	5	4	6	5	3
					Total Fields	138	207	182	175	162	203	176

DAY 2

## 2019 SPRING WHEAT CROP TOUR

24-Jul-19

Route	Class	Est. 2019	Calc. 2019	Std Dev	Hi	Lo	# Fields	2018	2017	2016	2015	2014	2013	2012					
Purple #1	HRS	30.0	34.0	6.6	43.5	23.8	12	39.7	25.1	61.8	59.6	48.5	45.9						
	DUR								40.2	50.1		53.6							
	HRW											50.7	43.0						
Green #2	HRS	35.0	31.5	9.5	46.4	19.6	8	47.0	35.6	42.7	61.0	49.2	53.0	47.6					
	DUR							52.2	30.1	43.9									
	HRW																		
Yellow #3	HRS		48.0	10.0	59.3	35.0	8	42.3	41.3	52.1	58.7	49.0	53.9	52.0					
	DUR							40.2											
	HRW																		
Orange #4	HRS	44.1	41.7	11.0	62.0	26.0	14	38.4	39.9	45.9	45.0	45.1	45.9	47.5					
	DUR	39.6	40.5					9.3	47.0	33.9	2	35.0	40.6	38.3	61.0	31.1	48.7		
	HRW																70.5		
Red #5	HRS	45.9	49.1	12.3	65.9	25.2	12	31.9	37.0	43.6		52.8	51.3	33.8					
	DUR								47.5	39.7		36.0	23.0						
	HRW																	48.6	
Pink #6	HRS	39.0	33.5	8.5	50.6	14.2	13	37.7	29.7	37.2	40.1	41.4	42.8	50.6					
	DUR	32.0	26.8					8.4	38.9	18.0	5	32.2	22.7	45.4	38.1	35.9	41.1	46.5	
	HRW												44.7			42.9			
Blue #7	HRS		49.2	7.8	62.2	32.0	11	47.5	35.6	49.1	43.1	45.2	49.9	50.3					
	DUR								17.2	31.4		59.5	54.0						
	HRW																		
Black #8	HRS	33.6	31.1	9.8	50.8	20.2	11	43.5	39.5	45.5	44.5	47.1	36.3	35.7					
	DUR	48.0	37.3					37.3	37.3	1	34.0	40.3	58.9		57.8	38.1	42.4		
	HRW											63.0							
Purple #9	HRS								25.0	52.7	47.8		48.5	51.0					
	DUR								22.4	35.8			31.4						
	HRW																		
Green #10	HRS	40.0	41.1	8.8	56.0	26.5	12	48.4	40.2	47.6	47.1		36.2	39.9					
	DUR													53.0				31.0	
	HRW																		
Yellow #11	HRS	47.7	39.7	5.1	50.9	32.4	10	41.7	54.3	41.5	46.6	52.8	36.4	48.5					
	DUR													31.2	55.0		25.3	48.4	
	HRW														31.1		38.1		
Orange #12	HRS		36.5	6.1	44.3	23.5	10		31.0	52.5	47.3	57.8	41.6	42.2					
	DUR		23.6						1.1	24.4	22.8	2		35.1	45.5	37.4	36.3	37.2	42.4
	HRW																62.7		55.1
Red #13	HRS	47.7	51.9	16.4	74.7	30.0	10	43.0	42.9	44.7	44.5	49.6	46.9	49.3					
	DUR													51.3	50.6		28.7		
	HRW																		
Pink #14	HRS	47.8	41.2	11.8	57.6	26.5	8	42.7	22.6	52.5		48.5	50.4	40.2					
	DUR		28.6					9.9	35.6	21.6	2	45.8	17.5	52.7		43.0	38.9	36.0	
	HRW															43.0			
Blue #15	HRS							36.8	29.8	42.2	44.1	40.9	48.7	39.2					
	DUR							55.5	20.3	36.1			39.2						
	HRW								31.6										
Black #16	HRS							36.9	52.8	40.3		38.2	52.8						
	DUR							40.9	46.7			44.1	36.5						
	HRW												67.0						

Weighted Averages

	EST.	CALC.	SD	Flds
<b>Wt. Avg.</b>	<b>40.5</b>	<b>39.7</b>	<b>11.8</b>	<b>151</b>
HRS	40.8	40.6	11.7	139
DUR	35.9	29.7	8.9	12
HRW				

	2018	2017	2016	2015	2014	2013	2012
Wt. Avg.	41.1	35.7	46.5	47	47.3	44.6	45.5
HRS	41.3	35.8	46.9	47.3	48.4	45	45.5
DUR	39.2	34.4	45.4	40.2	36.6	40.1	42.6
HRW		46.7	31.1	50.7	45.9	70.5	52.8
Fields HRS	135	188	158	160	150	166	140
Fields DUR	13	34	38	10	14	23	23
Fields HRW	0	3	1	3	5	2	9
Total Fields	148	225	197	173	169	191	172

2 day totals

	2019 #	2018 #
HRS	41.9 292	40.1 270
DUR	31.5 14	38.47 16
All Wheat	41.4 306	40.0 286

DAY 3

## 2019 SPRING WHEAT CROP TOUR

25-Jul-19

Route	Class	Est. 2019	Calc. 2019	Std Dev	Hi	Lo	# Fields	2018	2017	2016	2015	2014	2013	2012										
Purple #1	HRS	53.3	50.7	12.2	63.0	38.6	3	54.6	47.0		54.0	59.6	62.6											
	DUR																							
	HRW																							
Green #2	HRS	30.8	31.0	8.4	38.3	19.7	4	53.9	48.0	52.8	51.8	51.0	39.6	56.6										
	DUR	40.0	38.1																					
	HRW																							
Yellow #3	HRS	45.8	45.7	10.7	65.1	37.1	6	50.3	50.6	48.7	56.4	47.7	46.0	50.9										
	DUR																							
	HRW																							
Orange #4	HRS	51.1	52.2	14.7	83.8	36.3	9	47.0	45.2	49.2	57.2	44.4	41.9	48.9										
	DUR																							
	HRW																							
Red #5	HRS	44.2	58.2	16.0	80.3	35.1	7	49.9	51.9	53.7			57.3	49.8										
	DUR																							
	HRW																							
Pink #6	HRS	39.6	50.7	10.9	65.2	36.4	5	43.0	68.3	55.6	44.2	52.1	48.3	44.7										
	DUR																							
	HRW																							
Blue #7	HRS		51.7	4.0	55.8	47.9	3	37.9	50.0	45.4	49.9	53.0		48.5										
	DUR																							
	HRW																							
Black #8	HRS		57.6	6.9	67.6	52.1	4	58.9	24.0	53.6	53.6	61.5	52.5	43.3										
	DUR																							
	HRW																							
Purple #9	HRS	41.5	50.1	6.4	54.6	45.5	2		42.0	49.3	50.9		60.7	49.0										
	DUR																							
	HRW																							
Green #10	HRS		46.7	14.4	62.7	30.9	4	35.7	33.3	41.9	47.3		47.9	49.0										
	DUR																							
	HRW																							
Yellow #11	HRS	46.1	43.6	8.5	52.8	32.7	8	51.6	38.2	46.7	53.4	44.2		47.7										
	DUR																							
	HRW																							
Orange #12	HRS								52.0	46.1	48.8	44.7	41.3	46.3										
	DUR																							
	HRW																							
Red #13	HRS	40.8	41.0	9.0	55.5	29.4	8	40.2	41.6	48.4	56.5	57.7		44.9										
	DUR																							
	HRW																							
Pink #14	HRS		78.6		78.6	78.6	1	39.3	45.8	40.8	59.0	47.2	44.8	50.0										
	DUR																							
	HRW																							
Blue #15	HRS							45.9	44.7	49.3	50.5	53.8	50.4	39.3										
	DUR																							
	HRW																							
Black #16	HRS								51.4	54.9	52.4		48.0	57.3										
	DUR																							
	HRW																							

	EST.	CALC.	SD	Flds
<b>Wt. Avg.</b>	<b>44.4</b>	<b>48.4</b>	<b>13.0</b>	<b>65</b>
<b>HRS</b>	<b>44.5</b>	<b>48.6</b>	<b>13.1</b>	<b>64</b>
<b>DUR</b>	<b>40.0</b>	<b>38.1</b>		<b>1</b>
<b>HRW</b>				

Weighted Averages

	2018	2017	2016	2015	2014	2013	2012
Wt. Avg.	46.4	46.6	48.9	51.9	49.4	48.7	48.4
HRS	46.3	46.2	48.9	52.1	50.2	49.1	48.6
DUR	52.2	55		34.6	36.7	42.1	66
HRW				53.8	42.3	52.5	43.1
Fields HRS	55	61	76	96	67	72	66
Fields DUR	1	3	0	1	3	5	1
Fields HRW	0	0	0	1	2	1	6
Total Fields	56	64	76	98	72	78	73

# 2019 Spring Wheat Crop Tour

## Yield Potential

	<i>Weighted Averages</i>	<i>Standard Deviation</i>	<i>Total Fields</i>
Total	42.6	13.3	371
HRS	43.1	13.2	356
DUR	32.0	11.0	15
HRW			0

July 23-25, 2019

### Overall Weighted Tour Averages

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HRS	35.5	31.7	37.3	37.7	46.2	46.0	41.5	44.9	44.9	48.6	49.9	45.7	38.1	41.1	43.1
DUR	29.6	23.3	29.0	23.7	36.2	38.4	31.8	42.4	41.7	36.6	39.2	45.4	39.7	39.3	32.0
HRW	31.0	45.3	36.7	43.0	51.3	48.4	47.0	45.8	53.5	44.0	49.0	34.7	46.6	0.0	0.0
All Wheat	34.9	31.3	36.3	36.0	45.7	45.2	41.1	44.8	44.8	48.0	49.5	45.5	38.4	41.1	42.6

### Fields Surveyed

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HRS	305	272	286	346	402	321	369	377	433	373	422	407	443	325	356
DUR	27	19	38	58	35	41	31	26	31	17	16	42	47	17	15
HRW	3	3	8	18	21	8	19	18	8	13	8	6	6	0	0
All	335	294	332	422	458	370	419	421	472	403	446	455	496	342	371

### Tour Participants - Breakdown

Total =	61	
Class	Number	Percent
Government	12	20
University	1	2
Media	3	5
Grain	6	10
Milling	18	30
Baker	7	11
Producer	10	16
Other	4	7

