

# Technical Bulletin

Genes that fit *your* farm.



## Parata (PT772) Canada Western Red Spring Wheat



Progress Through Research  
Le progrès grâce à la recherche

### Description:

Parata is an awned CWRS variety with early maturity, high grain protein and good grain yield potential. Parata is a traditional height CWRS with fair lodging resistance, high test weight and good rust resistance. Parata has excellent milling and baking properties and is well suited to all growing regions of western Canada.

**Parentage:** AC Splendor/AC Domain/CDC Go

### Strengths:

- Early maturity – 4 days earlier than AC® Carberry
- High protein potential based on registration and Saskatchewan provincial regional variety trials
- High falling number (which is associated with reduced preharvest sprouting)
- Grain yield 103% of the mean of the checks, over all sites in 2012 to 2014 Parkland Coop Registration trials
- Resistant to stem rust
- Moderately resistant to leaf and stripe rust

### Neutral Traits:

- Fair resistance to lodging
- Intermediate resistance to FHB and leaf spot
- 10cm taller than AC® Carberry

### Weaknesses:

- Moderately susceptible to loose smut
- Susceptible to bunt

### Breeder:

Dr. Dean Spaner  
University of Alberta



**PBR 91 Protected**

### 2012-2014 Parkland Wheat Cooperative Trials - Registration Data

Variety	Yield (% of Check Mean)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (g/1000)	Grain Protein (%)	Falling Number
AC Splendor	98	96.4	2.5	100.2	77.9	34.3	14.3	437
CDC Teal	99	98.9	1.9	97.8	78.1	33.3	13.9	430
CDC Osler	103	98.3	2.6	96.1	78.8	33.3	13.5	503
<b>Parata</b>	<b>103</b>	<b>98.0</b>	<b>2.0</b>	<b>95.0</b>	<b>80.2</b>	<b>33.3</b>	<b>13.9</b>	<b>453</b>

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For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

## 2020 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Carberry	124	67	14.6	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Brandon	61	70	14.3	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Elie	45	68	14.3	+2	-3	Y	VG	F	I	I	I	R	R	MR	I
AAC Redwater	43	65	14.5	-2	+8	Y	G	VG	MS	I	MS	R	R	MR	I
AAC Tisdale	32	68	15.2	+1	+8	Y	G	F	MR	MR	MS	R	R	S	MR
CDC Bradwell	33	67	14.4	+3	+5	Y	VG	F	MR	R	MS	MR	R	MS	I
<b>Parata</b>	<b>20</b>	<b>67</b>	<b>14.7</b>	<b>-2</b>	<b>+13</b>	<b>Y</b>	<b>G</b>	<b>---</b>	<b>MR</b>	<b>S</b>	<b>I</b>	<b>R</b>	<b>MR</b>	<b>MR</b>	<b>I</b>

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

## 2020 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of Carberry			Protein	Resistance to:									Relative Maturity (days)	Head Awedness	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB					
AC® Carberry	6	100	100	100	14.5	VG	F	MR	R	MR	MR	R	MS	MR	102	Y	35.8	80.3	83
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.1	0.0	-1
AAC Elie	5	105	105	---	-0.3	G	F	R	R	MR	I	I	I	I	0	Y	-0.1	0.0	-2
AAC Tisdale	4	100	106	---	+0.5	F	F	R	R	S	MR	MR	MS	MR	-1	Y	+0.6	-0.4	+8
CDC Bradwell	5	101	108	---	-0.2	VG	F	MR	R	MS	MR	R	MS	I	0	Y	-2.1	+0.6	+8
<b>Parata</b>	<b>3</b>	<b>97</b>	<b>105</b>	<b>---</b>	<b>+0.1</b>	<b>F</b>	<b>F</b>	<b>R</b>	<b>MR</b>	<b>MR</b>	<b>MR</b>	<b>S</b>	<b>I</b>	<b>I</b>	<b>-2</b>	<b>Y</b>	<b>-2.2</b>	<b>0.0</b>	<b>+10</b>

G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

## 2020 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:		Disease Resistance:						
	All Sites	Station years of testing	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac						Ldg.	Sprout	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
			Yield as % of AC® Carberry																
<b>AC® Carberry bu/ac</b>	<b>70</b>		<b>45</b>	<b>66</b>	<b>95</b>														
AC® Carberry	100		100	100	100	104	13.9	63	40	84	VG	F	MR	R	MR	MS	MR		
AAC Brandon	105	35	XX	103	107	0	-0.3	63	41	85	G	P	MR	S	MR	I	MR		
AAC Redwater	96	41	91	101	98	-3	0.0	64	35	90	G	VG	MS	I	MR	MS	I		
AAC Tisdale	101	45	100	101	102	-1	+0.4	63	42	91	F	F	MR	MR	S	MS	MR		
AC® Stettler	106	96	105	105	104	0	0.0	63	39	90	G	G	R	MR	I	MS	MS		
CDC Bradwell	101	42	97	105	101	0	-0.3	63	38	89	VG	F	MR	R	MS	MS	I		
<b>Parata</b>	<b>94</b>	<b>45</b>	<b>90</b>	<b>94</b>	<b>96</b>	<b>-4</b>	<b>+0.8</b>	<b>63</b>	<b>39</b>	<b>89</b>	<b>F</b>	<b>F</b>	<b>MR</b>	<b>S</b>	<b>MR</b>	<b>I</b>	<b>I</b>		

VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

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