



Canada-Saskatchewan  
Irrigation  
Diversification  
Centre



# **ICDC**

## **Variety/Agronomy Program**

### **2013 Field Season Overview**

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# Season Overview

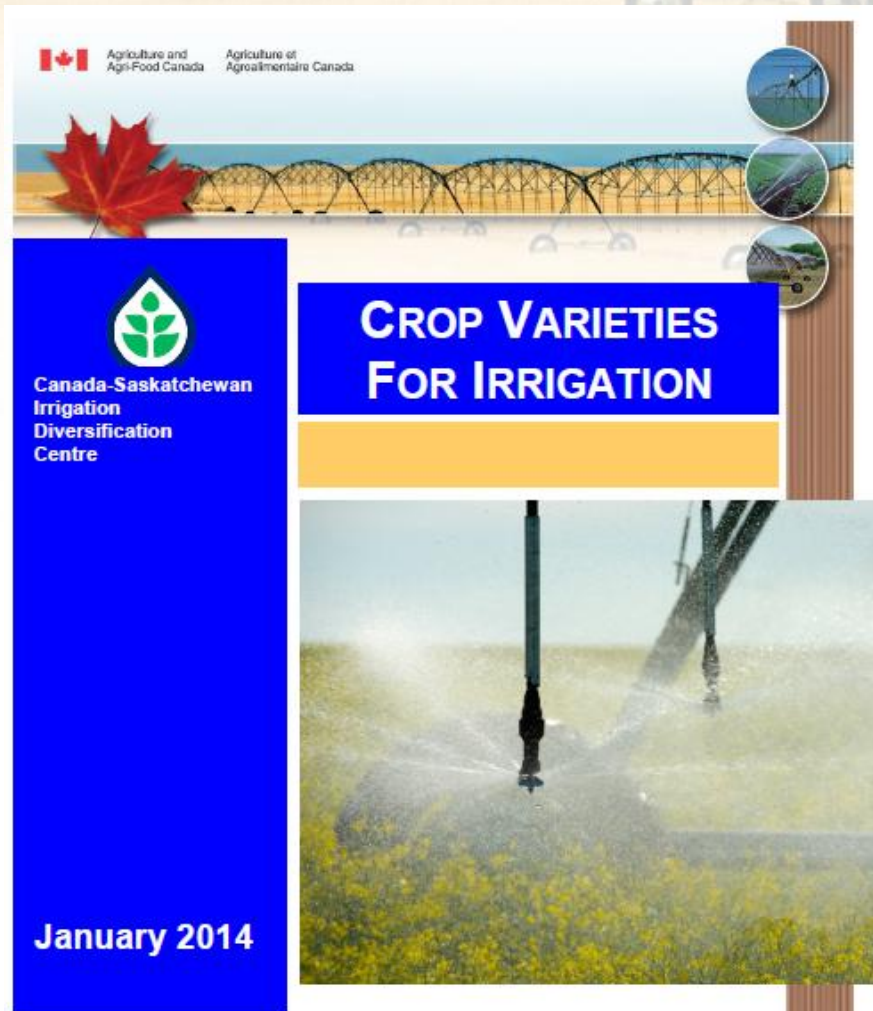


Overall a tremendous season with respect to yield

- HRSW – 70-100 bu/ac
- Durum – 88-110 bu/ac
- SWS – 93-142 bu/ac
- Canola – 90-122 bu/ac
- Dry Bean – 925-4800 lbs/ac
- Soybean – 35-70 bu/ac
- Flax – 37-46 bu/ac
- Peas – 32-91 bu/ac

Reasons – 2500 CHU, cool July and no serious weed, insect or disease pressure in general.

# Crop Varieties For Irrigation



- Proofing completed and publication finalized.
- To printer by weeks end, available for the Crop Production Show.
- 20 pages, expanded wheat, barley, canola reduced.

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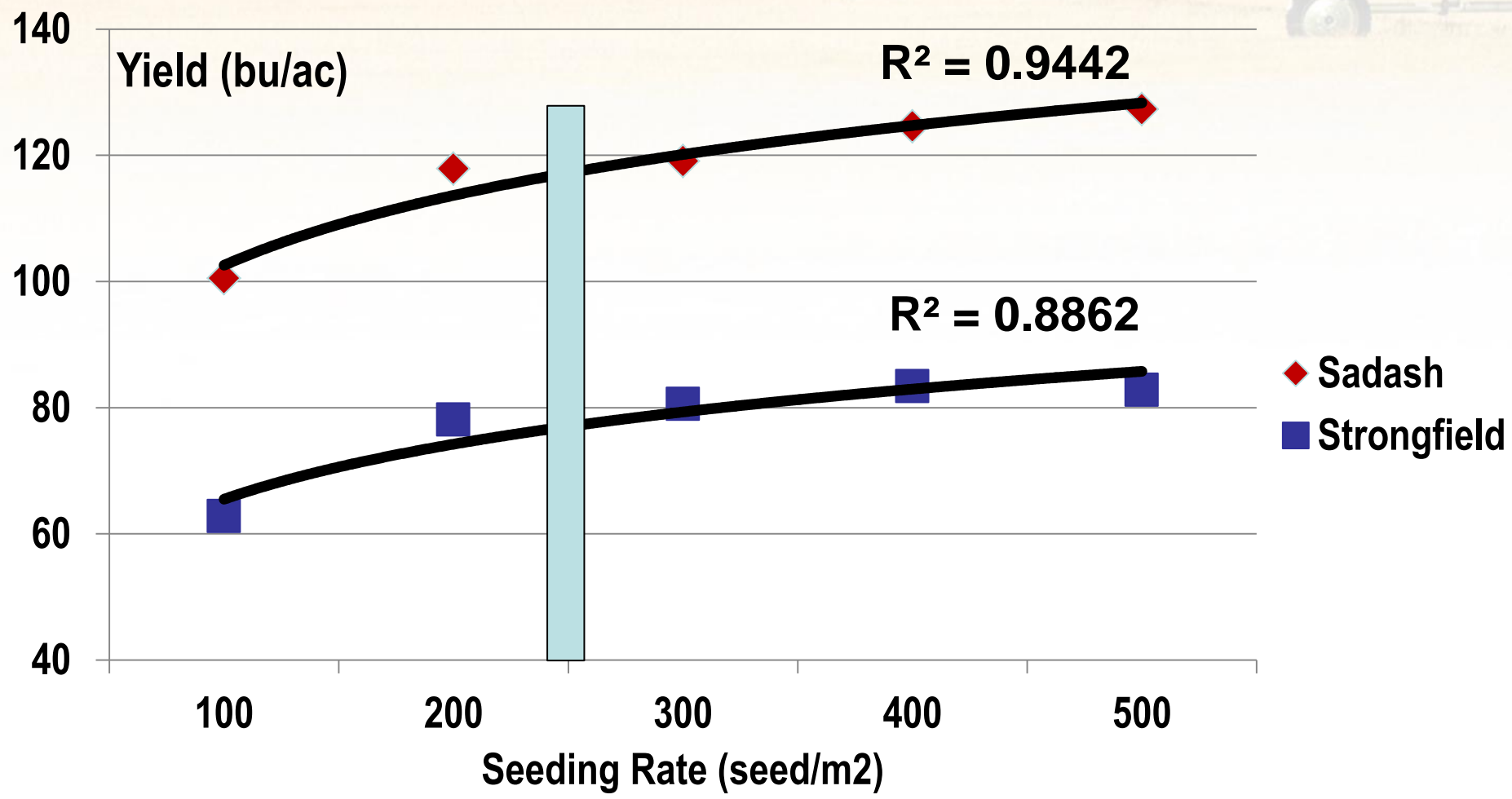
# Seeding Rate Studies

# Seeding Rates



Seeding Rate (seeds/m <sup>2</sup> )	SWS Wheat & Durum	Canola
50		X
75		X
100	X	X
150		X
200	X	X
250		X
300	X	X
400	X	
500	X	

# Seeding Rate vs Yield - Wheat

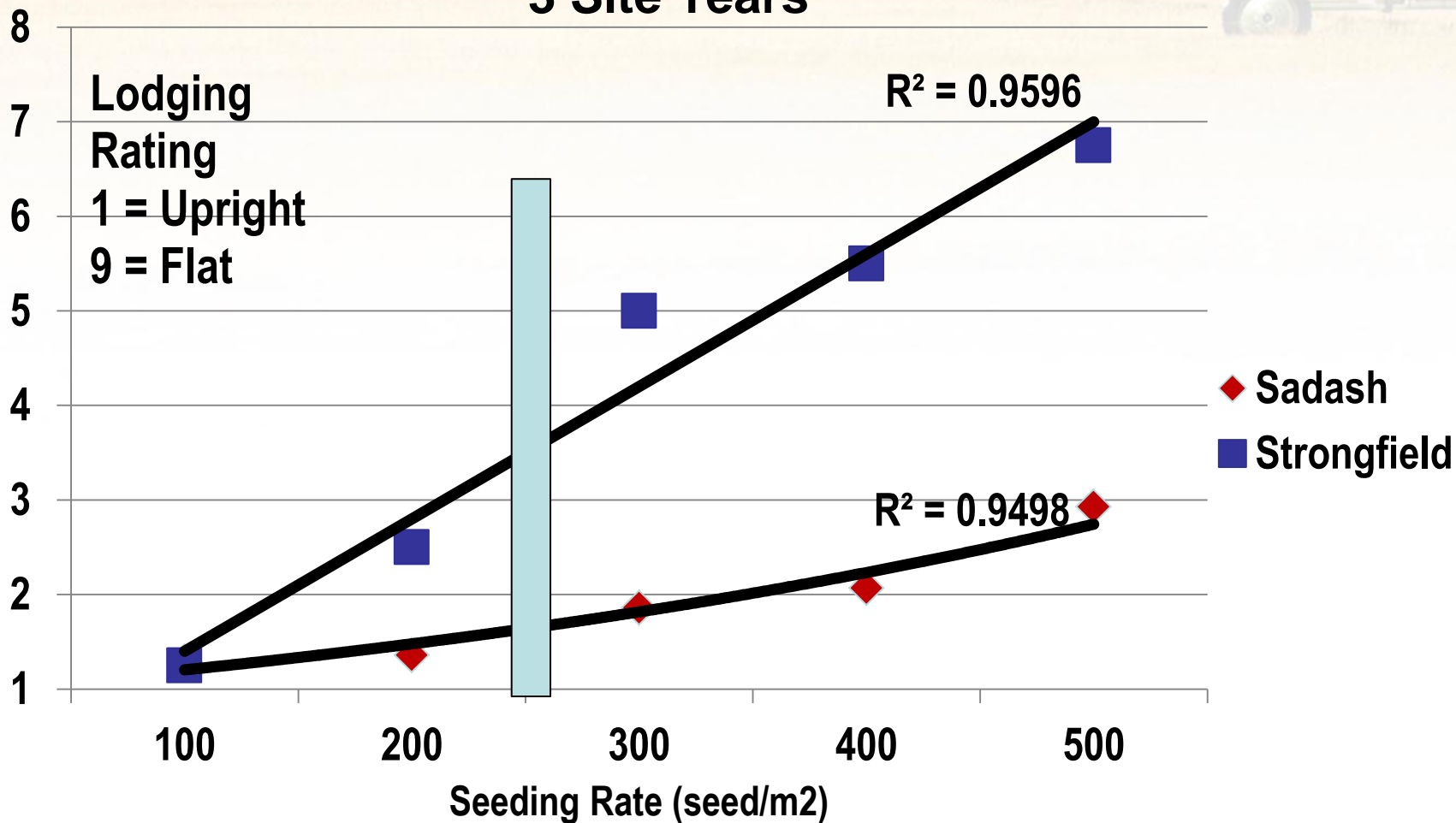


<b>Sadash</b>	<b>45</b>	<b>90</b>	<b>135</b>	<b>180</b>	<b>225</b>
<b>Strongfield</b>	<b>60</b>	<b>120</b>	<b>180</b>	<b>240</b>	<b>300</b>

# Seeding Rate vs Lodging



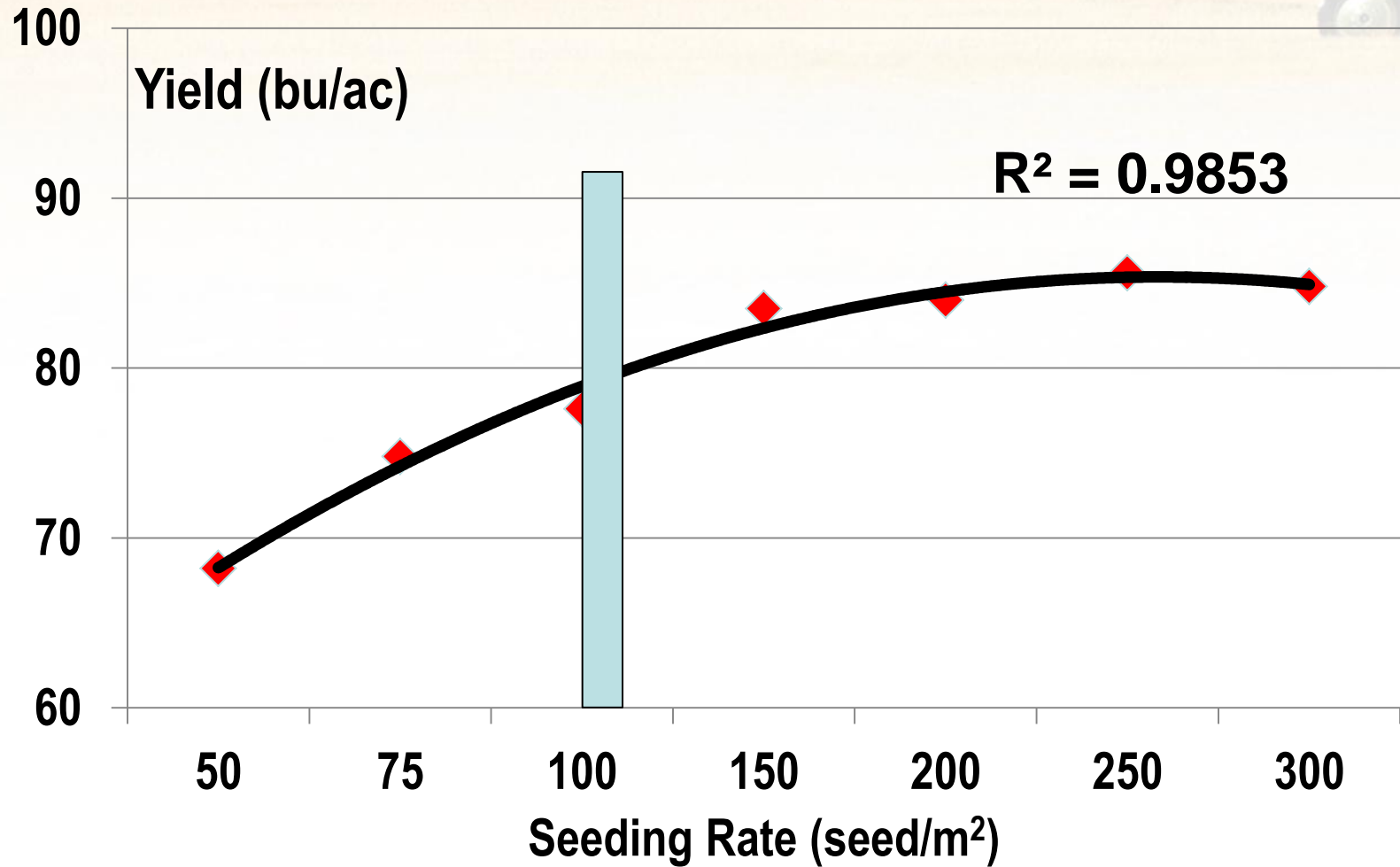
3 Site Years



Sadash	45	90	135	180	225
Strongfield	60	120	180	240	300

# Seeding Rate vs Yield - Canola

3 Site Years



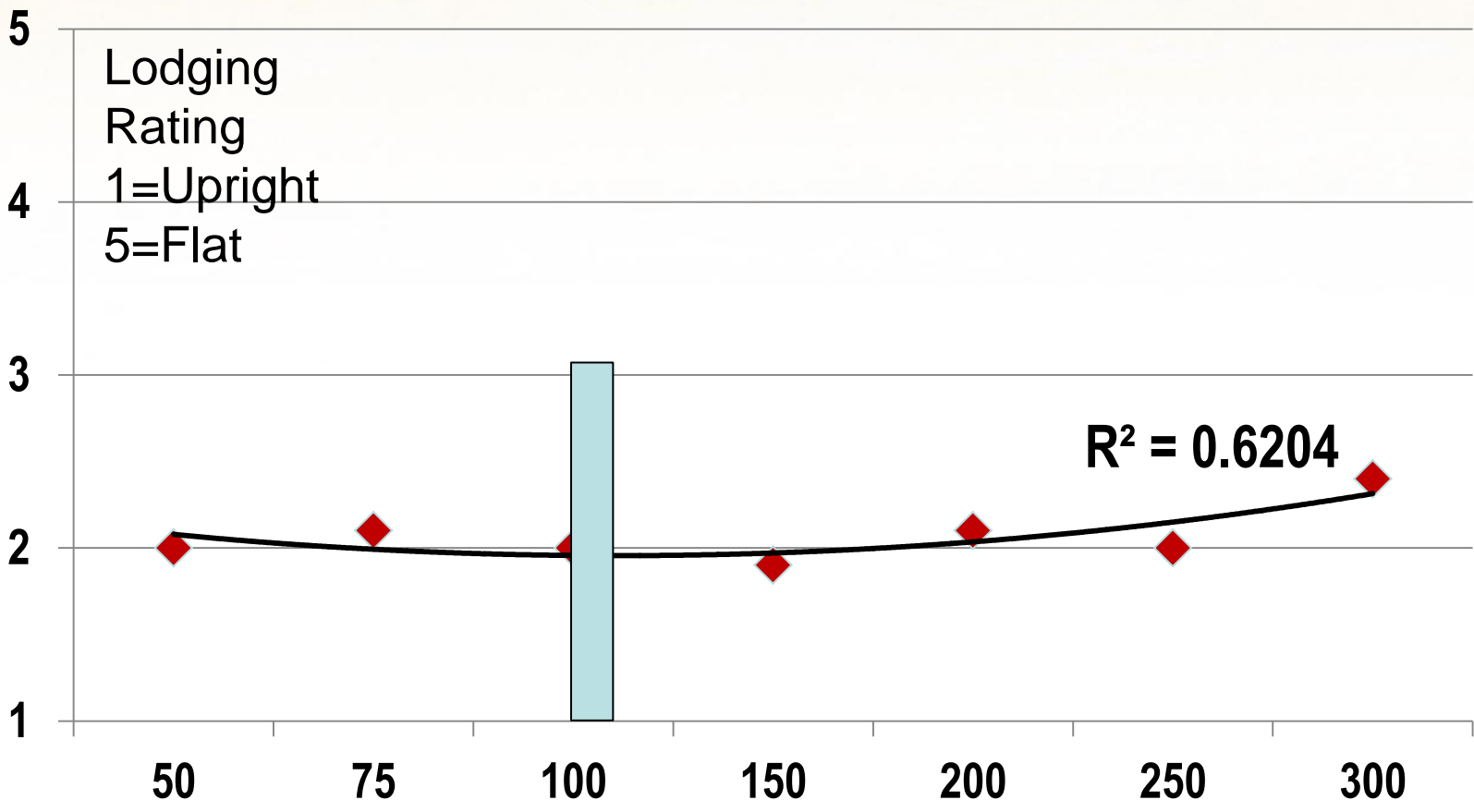
Rate (lbs/ac)	2.5	3.7	5.0	7.5	10	12.5	15.0
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# Seeding Rate vs Lodging-Canola



## Lodging



- **Durum & Soft White Spring Wheat**

- **Durum**

- Present recommended target rate of 250 viable seeds/m<sup>2</sup> is adequate.
    - Higher seeding rates increase yield slightly but lodging also increases rapidly such that harvest management becomes a concern.

- **Soft White**

- Present seeding rates are at the minimum target range, yields continue to increase from 250 to 400 seeds/m<sup>2</sup>.
    - Increasing seeding rates do not appreciably increase lodging until rates are > 400 seeds/m<sup>2</sup>.

- ***Canola***

- Present recommended target rate of 110 viable seeds/m<sup>2</sup> is at the minimum target range, yields continue to increase to 200 seeds/m<sup>2</sup>.
- Increasing seeding rates do not appreciably increase lodging.

Thank You ICDC & Partner's

