

# Channel Seed Guide 2022

## CANADA WESTERN RED SPRING WHEAT

Variety	Overall Station Years of Testing	Overall Yield	Yield Category (% Carberry)			Mat. Rating (Days +/- Carberry)	Agronomic Characteristics:							Disease Tolerance:			
			Low < 55 (bu/ ac)	Medium 55 – 80 (bu/ac)	High > 80 (bu/ ac)		Protein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Stripe Rust	FHB		
												Ldg.	Sprt.				
																Varieties tested in the 2020 trials (Yield and agronomic data only directly comparable to Carberry)	
Carberry (bu/ac)		68	44	65	94												
Carberry - check <i>dh</i>	131	100	100	100	100	104	14.0	63	39	85	Y	VG	F	R	MR	MR	
AAC Brandon <i>dh</i>	40	107	107	104	109	0	-0.1	63	40	85	Y	G	P	S	MR	MR	
AAC Broadacres VB <i>dh</i>	24	111	XX	109	112	0	-0.8	63	40	88	Y	VG	F	R	MR	I	
AAC Elie <i>dh</i>	53	108	106	112	106	0	-0.5	64	39	84	Y	G	F	I	MR	I	
AAC Magnet <i>dh</i>	36	101	102	102	99	-2	0.0	63	40	90	Y	G	F	S	I	MR	
AAC Russell VB <i>dh</i>	24	108	XX	109	109	-1	-0.4	64	40	89	Y	G	F	MR	MR	MR	
AAC Starbuck VB <i>dh</i>	36	110	108	108	111	0	-0.2	63	39	87	Y	G	F	S	MR	MR	
AAC Waman VB <i>dh</i>	36	101	104	97	102	-1	-0.4	63	38	99	Y	G	F	S	MS	MR	
AAC Wheatland VB <i>dh</i>	36	111	110	109	113	0	-0.5	63	40	86	Y	VG	G	MR	I	I	
CDC Ontario <i>dh</i>	36	107	98	109	108	-1	-0.8	63	35	93	N	VG	G	S	MR	I	
Daybreak <i>dh</i> vsm	24	107	XX	110	107	-1	-0.2	64	41	90	Y	F	P	S	MR	I	
Elkanite <i>dh</i>	24	104	XX	108	108	0	-0.3	62	36	94	N	VG	G	S	R	I	
Jake <i>dh</i>	36	101	90	104	103	-2	0.8	63	37	93	Y	G	XX	MR	R	MS	
Redlet <i>dh</i>	24	104	XX	101	109	0	-0.6	64	38	101	Y	G	F	S	R	MR	
Sheba <i>dh</i>	24	102	XX	105	105	0	-0.5	63	36	96	N	G	XX	MR	R	I	
Stortler <i>dh</i>	101	105	103	106	104	0	0.1	63	38	92	Y	G	G	MR	MR	MS	
SY Brazen VB <i>dh</i>	24	106	XX	97	109	-1	-0.3	63	36	94	Y	G	F	MR	I	I	
SY Cast <i>dh</i>	24	105	XX	108	106	-1	0.2	63	39	84	Y	G	G	R	R	I	
SY Crossite <i>dh</i>	24	105	XX	109	103	0	-0.6	62	39	92	Y	G	G	MS	R	MR	
SY Gabbro <i>dh</i>	36	106	102	106	108	-1	-0.2	63	41	92	Y	VG	F	I	I	MR	
SY Torach <i>dh</i>	36	103	98	107	102	-1	0.0	63	35	82	Y	VG	F	MS	MS	MR	
Tracker <i>dh</i>	36	101	84	107	104	-2	0.0	63	35	90	N	G	G	S	R	I	
Previously tested varieties																	
Carberry - check <i>dh</i>		100	100	100	100	104	14.0	63	39	85	Y	VG	F	R	MR	MR	
AAC Alida VB <i>dh</i>	45	101	98	103	99	0	-0.2	63	41	91	Y	G	VG	I	MR	MR	
AAC Cameron VB <i>dh</i>	42	109	100	118	107	-1	-0.6	62	44	102	Y	G	F	R	S	I	
AAC Conery <i>dh</i>	42	99	93	103	102	-1	0.2	62	40	88	N	VG	G	I	R	MR	
AAC Jatharia VB <i>dh</i>	45	106	96	110	105	0	-0.2	64	43	100	Y	F	G	MS	I	I	
AAC LeRoy VB <i>dh</i>	31	105	XX	106	105	0	-0.6	63	41	91	Y	G	G	I	MR	MR	
AAC Redberry <i>dh</i>	42	101	98	105	99	-3	-0.3	63	41	90	Y	G	G	I	R	I	
AAC Tristale <i>dh</i>	45	101	100	101	102	-1	0.8	63	42	93	Y	F	F	MR	S	MR	
AAC Viewfield <i>dh</i>	73	110	108	108	113	0	-0.5	64	40	82	Y	VG	G	MR	MR	I	
Cardale <i>dh</i>	41	98	95	100	98	-1	-0.1	63	37	88	Y	G	G	S	MS	MR	
Coleman <i>dh</i>	43	94	88	99	93	-3	-0.1	64	37	101	Y	F	P	S	MR	MR	
CDC Abound <i>dh</i>	88	103	99	107	105	-1	-0.1	63	40	87	Y	G	F	I	MS	S	
CDC Adamant VB <i>dh</i>	45	104	97	106	104	-1	-0.2	63	39	88	Y	P	F	S	MS	I	
CDC Bradwell <i>dh</i>	42	101	97	105	101	0	-0.1	63	38	93	Y	G	F	R	MS	I	
CDC Go <i>dh</i>	73	102	95	104	104	-1	0.0	62	44	92	Y	G	P	I	MS	MS	
CDC Hughes VB <i>dh</i>	45	103	102	103	103	-1	-0.2	63	44	87	Y	G	G	MS	I	I	
CDC Landmark VB <i>dh</i>	59	106	100	106	107	-1	-0.2	63	43	88	Y	G	G	MS	MR	I	
CDC Plentiful <i>dh</i>	41	99	95	104	99	-2	-0.2	64	35	94	N	G	P	I	MR	MR	
CDC Starkey <i>dh</i>	76	106	103	109	107	-1	-0.1	63	34	97	N	G	G	S	I	MS	
CDC Titanus VB <i>dh</i>	41	101	99	106	96	-2	0.5	65	41	95	Y	F	P	I	R	MR	
CDC Utmost VB <i>dh</i>	53	105	105	105	107	-2	-0.3	64	36	95	N	G	G	S	I	MS	
Glen <i>dh</i>	61	97	96	96	101	-1	-0.4	65	36	94	Y	G	F	I	MR	I	
Go Early <i>dh</i>	42	97	93	103	95	-4	0.4	61	40	100	Y	G	P	MR	I	I	
Parata <i>dh</i>	45	94	90	94	96	-4	0.2	63	39	94	Y	F	F	S	MR	I	
Shaw VB <i>dh</i>	53	105	104	105	107	-1	-0.5	63	37	104	N	G	G	MR	I	MS	
Superb <i>dh</i>	184	105	101	109	109	0	-0.4	62	42	90	Y	G	F	MR	S	MS	
SY Chert VB <i>dh</i>	45	102	94	105	102	0	-0.5	63	40	92	Y	F	F	R	R	I	
SY Obsidian <i>dh</i>	45	101	97	103	100	-1	-0.4	63	41	88	Y	VG	F	MS	MR	MS	
SY Slate <i>dh</i>	42	101	98	106	99	-1	0.2	62	41	92	Y	F	P	S	MR	I	
SY Sovite <i>dh</i>	45	97	98	100	95	0	0.0	62	43	92	Y	F	F	MS	R	MR	
Thorby <i>dh</i>	43	99	90	106	99	-2	-0.5	64	38	87	N	G	F	S	R	I	

**Remarks:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. \* Effective August 1, 2021 the Canadian Grain Commission will designate AAC Redberry and Muchmore to the CWRS wheat class. For more information see the Canadian Grain Commission website [www.graincanada.gc.ca](http://www.graincanada.gc.ca). Fusarium Head Blight (FHB) infection is highly influenced by the environment and breeding date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for FHB should be treated with a systemic seed treatment to reduce the potential for infection. CDC Adamant VB has a solid stem that confers resistance to the wheat stem sawfly. CDC Landmark VB and CDC Hughes VB have a semi-solid stem. CDC Abound is tolerant to the CLEARFIELD® herbicide Adiantum SC and Alliance EX. VB - designates a variety blend to preserve the Sot1 orange wheat blossom midge tolerance gene. New CWRS registrations: SY Brazen (11552), SY Cast (C31210104-15), SY Crossite (C31210124-15), AAC Redstar (P1488), AAC Redstar VB (B110618), AAC Hockley (B1105044) and CDC 101ush (P1591). Insufficient data to describe: AAC Hodge VB (B110106), AAC Hockley (B1105044), CDC 101ush (P1591) and AAC Redstar *dh* - Protected by PBR (SPOV 76), *dh* - Protected by PBR (SPOV 95) and vsm - Variety Use Agreement applied (<https://seedsofcanada.ca>). XX - Insufficient data to describe. \* Flagged for possible removal in 2022.

## Channel Seed Guide 2022: A Comprehensive Overview

In the ever-evolving landscape of agriculture, the importance of selecting the right seed cannot be overstated. Whether you are a seasoned farmer or new to the agricultural sector, understanding the nuances of seed selection can significantly impact your crop yield, profitability, and sustainability. This article serves as a detailed channel seed guide for 2022, offering insights into various seed types, best practices for selection, and key considerations for farmers aiming for optimal results.

# Understanding Channel Seeds

Channel Seeds is a well-known brand in the agricultural sector, recognized for its commitment to developing high-quality seed varieties. Their products cater to a diverse range of crops, including corn, soybeans, and various specialty seeds. The brand focuses on research, innovation, and technology to enhance agricultural productivity.

## The Importance of Seed Selection

Selecting the right seed is crucial for several reasons:

- **Yield Potential:** Different seed varieties have varying potential yields. Choosing high-yield varieties can significantly impact overall production.
- **Disease Resistance:** Some seeds are bred for resilience against specific diseases and pests, reducing the need for chemical treatments.
- **Adaptation to Climate:** Certain seeds are better suited to specific growing conditions, including soil type, moisture levels, and regional climates.

## Types of Channel Seeds Available in 2022

Channel Seeds provides a variety of seed types tailored to meet the diverse needs of farmers. Below are some of the key categories:

1. **Corn Seed**
2. **Soybean Seed**
3. **Specialty Seed**
4. **Cover Crop Seed**

## Corn Seed

Corn remains one of the most significant crops in global agriculture. Channel Seeds offers several corn varieties that cater to different growth conditions and market demands. Key considerations when selecting corn seed include:

- **Genetic Traits:** Look for traits that enhance yield, such as drought tolerance and pest resistance.
- **Maturity Group:** Choose varieties that align with your local growing season

to ensure optimal harvest timing.

- **Field Performance:** Evaluate past performance data in your region to make informed decisions.

## **Soybean Seed**

Soybeans are crucial for both domestic consumption and export markets. Channel Seeds provides soybean varieties tailored for various soil types and climates. Important factors to consider include:

- **Herbicide Resistance:** Choose varieties with traits that help manage weed pressure effectively.
- **Disease Resistance:** Select seeds that are resistant to common soybean diseases such as soybean cyst nematode and root rot.
- **Market Demand:** Consider the end-use of your soybeans, whether for oil production, livestock feed, or food products.

## **Specialty Seed**

Channel Seeds also offers specialty seeds for niche markets. This includes seeds for crops like sunflowers, canola, and various vegetable varieties. When selecting specialty seeds, consider:

- **Market Trends:** Stay informed about consumer preferences and market demands for specialty crops.
- **Growing Requirements:** Understand the specific agronomic practices required for successful cultivation of specialty crops.

## **Cover Crop Seed**

Cover crops play a vital role in sustainable agriculture by improving soil health and preventing erosion. Channel Seeds offers various cover crop options, including clover, rye, and radish. Key benefits of cover crops include:

- **Soil Improvement:** Cover crops can enhance soil structure and nutrient content.
- **Weed Suppression:** They help suppress weeds naturally, reducing the need for herbicides.
- **Moisture Retention:** Cover crops can improve water retention in the soil, benefiting subsequent crops.

# Best Practices for Seed Selection in 2022

To make the most informed decisions regarding seed selection, consider the following best practices:

## 1. Conduct Soil Tests

Before selecting seeds, it's essential to understand your soil's nutrient composition and pH levels. Soil tests can provide valuable insights that inform your seed choices, ensuring compatibility with soil conditions.

## 2. Research Hybrid Varieties

Hybrid seeds often offer better yield potential and disease resistance. Research the latest hybrid varieties available from Channel Seeds, paying attention to their performance in your region.

## 3. Consult Local Agricultural Experts

Engaging with local agricultural extension services or agronomists can provide invaluable information about which seed varieties perform best in your area. They can offer personalized recommendations based on your specific circumstances.

## 4. Evaluate Climatic Conditions

Consider the climatic conditions of your growing area, including temperature ranges, rainfall patterns, and frost dates. Choose seed varieties that are well-adapted to these conditions for optimal growth.

## 5. Review Historical Performance Data

Analyzing historical yield data and performance reports for different seed varieties can help you make informed decisions. Look for seeds that have consistently performed well in your region.

## Key Considerations When Choosing Channel Seeds

While the above practices provide a solid foundation, there are additional considerations to keep in mind when selecting Channel Seeds in 2022:

## **1. Seed Quality and Certification**

Always check for seed quality and certification standards. Certified seeds are tested for germination rates, purity, and disease resistance, ensuring you receive high-quality products.

## **2. Cost vs. Value**

While it may be tempting to choose the cheapest seed option, consider the long-term value. Higher-priced seeds with better yield potential and resilience may ultimately lead to greater profitability.

## **3. Sustainability Practices**

Incorporating sustainable practices into your farming operation is increasingly important. Look for seed varieties that align with sustainable agriculture principles, such as reduced pesticide use and improved soil health.

## **4. Technology Integration**

Utilizing technology in agriculture can enhance decision-making. Consider tools like precision agriculture, which can help track soil moisture, nutrient levels, and crop health, enabling you to make data-driven seed selections.

## **Conclusion**

The Channel Seed Guide 2022 is an invaluable resource for farmers seeking to optimize their crop production. By understanding the various seed types offered, adhering to best practices for selection, and considering key factors unique to their farming operations, farmers can make informed decisions that lead to successful harvests. As the agricultural landscape continues to evolve, staying informed and adaptable will be crucial for achieving long-term success in crop production.

# Frequently Asked Questions

## What is the Channel Seed Guide 2022?

The Channel Seed Guide 2022 is a comprehensive resource designed for farmers and agricultural professionals, providing detailed information on seed varieties, planting recommendations, and agronomic practices to optimize crop yields.

## How can I access the Channel Seed Guide 2022?

The Channel Seed Guide 2022 can typically be accessed through the official Channel Bio website, local seed dealers, or agricultural events where Channel representatives are present.

## What new features are included in the Channel Seed Guide 2022?

The Channel Seed Guide 2022 includes updated data on seed performance, new hybrid varieties, enhanced disease resistance information, and improved user-friendly layouts for easier navigation.

## Does the Channel Seed Guide 2022 cover organic seed options?

Yes, the Channel Seed Guide 2022 includes information on organic seed options, highlighting varieties suitable for organic farming practices and their specific agronomic requirements.

## How does the Channel Seed Guide 2022 help with pest management?

The Channel Seed Guide 2022 provides insights into pest resistance traits of various seed options, as well as integrated pest management strategies to help farmers minimize crop losses from pests.

## Are there any digital tools available with the Channel Seed Guide 2022?

Yes, the Channel Seed Guide 2022 is often accompanied by digital tools such as mobile apps or online platforms that allow users to customize their seed selection and access real-time agronomic advice.

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