

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner



AC[®] Whitehawk Canada Western Hard White Spring Wheat

Description:

AC[®] Whitehawk is an awnless variety with short, strong straw, good leaf rust resistance and improved grain quality.

Parentage:

Snowbird/3/Snowstar//Snowbird*2/BW314
(BW314 is a CWRS breeding line)

Strengths:

- Grain yield 99% of AC[®] Snowstar over all sites in 2009 to 2011 Co-op Registration trials
- Early maturity - 0.5 days earlier than AC[®] Snowstar
- Medium-short, 3 cm taller than AC[®] Snowstar
- Strong straw, slightly weaker than AC[®] Snowstar
- **0.4% higher grain protein** than AC[®] Snowstar
- High test weight similar to AC[®] Snowstar
- Partially waxy starch offers expanded end-use markets

Neutral Traits:

- Small seed, slightly larger than AC[®] Snowstar
- Intermediate fusarium head blight resistance and low DON accumulation, similar to AC[®] Snowstar

- Resists shattering, but under some conditions may result in more difficult thrashing
- In order to maintain a high quality grain sample (minimize white caps), growers may have to tighten concaves, increase cylinder speed and/or adjust sieves to more completely thresh the heads
- Data indicates best performance in the southern Prairies

Weaknesses:

- Moderately susceptible to common bunt
- Intermediate resistance to stem rust and loose smut
- Moderately susceptible to leaf spot diseases

Breeder:

Dr. Gavin Humphreys
Cereal Research Centre
Agriculture and Agri-Food Canada
Winnipeg, MB

2009-2011 Hard White Wheat Cooperative Trials

Variety	Yield (% AC [®] Snowstar)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Grain Protein
AC [®] Snowstar	100	104.9	1.8	86.6 86.3	80.3	29.7	13.1
CDC Teal (CWRS)	100 99	-0.1	2.0	+6.4 +6.7	-2.3	+3.9	+1.0
Infinity (CWRS)	102	+0.5	2.1	+6.3 +6.6	-2.1	+3.6	+1.0
5701PR (CPS)	111	+3.7	2.1	-4.1	-3.6	+9.5	+0.1
AC [®] Whitehawk	99	-0.5	2.1	+3.3	-0.9	+1.2	+0.4

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For more information, call 1-800-665-7333 or visit www.secan.com

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