

SeCan TECHNICAL BULLETIN

AC Elsa (BW 685)

Canada Western Red Spring Wheat

Breeder: Dr. Ron Depauw

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Origin: AC Elsa was developed from the cross between BW 90 X Laura. The original cross was made in 1984 at SPARC in Swift Current, Saskatchewan. AC Elsa was tested in the Western Bread Wheat Cooperative trials from 1993 - '95.

Strengths:

- **5%** more yield than Katepwa in the Brown soil zone in 3 years of Western Bread Wheat Cooperative trials
- **11%** more yield than Katepwa in the Dark Brown and Black soil zone in 3 years of Western Bread Wheat Cooperative trials
- very high grain protein potential
- straw height 5 cm shorter than Katepwa
- straw strength similar to Katepwa and better than Laura
- maturity similar to Katepwa in the Brown soil zone, one day later than Katepwa in the Black Soil Zone
- test weight similar to Katepwa
- better resistance to leaf spot diseases than Katepwa and Laura
- resistant to prevalent races of leaf rust, stem rust, common bunt, and loose smut
- good shattering resistance

Weaknesses:

- very susceptible to fusarium head blight

AC Elsa compared to AC Barrie

- yields 3% more than AC Barrie in the Brown and Dark Brown soils of Saskatchewan
- Yield of AC Elsa is comparable to AC Barrie in the black soil zone
- same height as AC Barrie
- slightly weaker straw than AC Barrie
- one day earlier maturing than AC Barrie on average
- better resistance to leaf spots than AC Barrie
- slightly smaller kernel than AC Barrie
- less sprouting resistance than AC Barrie

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