

Make every canola seed count for more

Canola remains a very important crop in the Prairies. It is very profitable to grow, but also comes with significant upfront input costs. That's why it's important for growers to achieve strong, uniform stands, so they can set the stage for each seed in the bag to meet its yield potential.

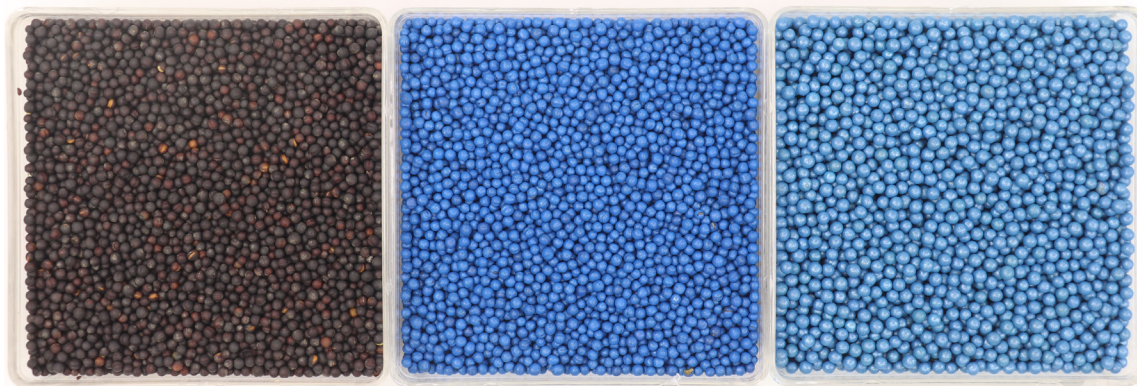
Farmers are looking for ways to improve stand establishment



- There is growing interest in seeding canola with singulation planter technology.
- Singulation technology enables more accurate delivery of canola seed to the soil, as only a single seed is picked up and fed to the planter.
- About 4% of farmers currently use singulation planters. This is expected to increase as the technology advances.

Pelta technology

Pelta™ seed pelleting technology helps take some of the uncertainty out of growing canola by making seed more uniform in size. Uniform canola seed enables better singulation planter performance and more accurate seed placement for greater seed survivability and even stand establishment.



Untreated
canola seed

Industry-standard
treatment

Pelta and
industry-standard
treatment

All samples taken from the same seed lot.
Source: The Seedcare Institute, Plattsville, ON – August 2021



To learn more, visit Syngenta.ca, contact our Customer Interaction Centre at 1-87-SYNGENTA (1-877-964-3682), or follow @SyngentaCanada on Twitter.

Always read and follow label directions. Fortenza® Advanced is an on-seed application of Fortenza Seed Treatment insecticide and Rascendo® Seed Treatment insecticide. Helix® Saltro® is an on-seed application of Helix Vibrance® Seed Treatment insecticide/fungicide and Saltro® Seed Treatment fungicide. Fortenza®, Helix®, Pelta™, Rascendo®, Saltro®, Vibrance®, the Alliance Frame, the Purpose Icon and the Syngenta logo are trademarks of a Syngenta Group Company. All other trademarks are the property of their respective owners. © 2022 Syngenta.

Why Pelta seed matters to singulation success

According to the Canola Council of Canada, growers should target five to eight seedlings per square foot. This helps set the stage for higher yield potential. However, getting uniform stands when seeding with an air drill can be difficult.

- By taking the variability out of canola seed size, Pelta helps singulation planters perform at their peak by facilitating more accurate seed placement.
- Consistent-sized Pelta seed also helps growers avoid common issues that can impact stand establishment, like double or triple-planted seed.



Canola treated with Pelta technology and planted with a singulation planter.
Left photo taken: June 23, 2021 – Crossfield, AB.
Right photo taken: May 14, 2021 – Carstairs, AB.

Consistent plant stands and crop development

- Accurate and uniform seed placement means canola plants emerge uniformly, don't compete for resources and develop evenly.
- This helps ease decisions around in-season herbicide, Sclerotinia fungicide and desiccant application timing.

The grower experience

As we went through a dry season this year, we found that CANTERRA SEEDS CS2600 CR-T canola with the Pelta technology planted with our Väderstad® planter [versus air drill] gave us an advantage because the plant had more spacing and less inter-row competition and that allowed the plant to thrive compared to the higher density seeding with the air drill – much bigger plants, bigger diameter, taller plants, more pods.

- Blaine Gatez – Grower – Crossfield, AB (2021)

Numbers at a glance

Below are initial results of strip trials in 2021:

Site	Average yield (bu/ac)		
	Singulation planter with Pelta	Singulation planter, no Pelta	Air drill, no Pelta
Crossfield, AB (n=4)	39.75	38.89	32.77
Carstairs, AB 1 (n=8)	42.83	41.56	39.92
Carstairs, AB 2 (n=4)	35.64	34.67	33.03

Get more from every bag of canola seed

- Each bag of canola seed with Pelta technology contains the same number of seeds, so growers can purchase exactly what they need to meet target seedlings per acre.
- Because seed size can vary from year to year, there is no need to hunt down the right bag of seed.
- Pelta comes with the best seed treatment package available – Helix® Saltro® plus Fortenza® Advanced – for protection from flea beetles and cutworms, plus a broad-spectrum of seed- and soil-borne diseases, including blackleg.

Pelta technology is available on these leading CANTERRA SEEDS canola hybrids for 2022:

- **CS3000 TF** – New high yielding TruFlex™ canola with Roundup Ready® Ttechnology featuring enhanced clubroot resistance and straight cut performance.
- **CS4000 LL** – High-yielding LibertyLink® canola hybrid with clubroot and blackleg resistance and excellent straight cut performance .
- **CS2600 CR-T** – High-yielding, early-maturity TruFlex™ canola hybrid with straight-cut potential and enhanced clubroot resistance.

Performance evaluations are based on internal trials, field observations and/or public information. Data from multiple locations and years should be consulted whenever possible. Individual results may vary depending on local growing, soil and weather conditions.

