

# Make every canola seed count for more

Canola is still a very important crop in the Prairies. And while it can be very profitable to grow, canola also comes with significant upfront input costs – namely seed. That’s why it’s important to achieve strong, uniform stands, so you 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 percent of farmers currently use singulation planters. This is expected to increase as the technology advances.

## Pelta technology: See(d) the difference

Pelta™ technology from Syngenta takes away much of the uncertainty, guesswork – and frustration – around seeding canola. How? By making canola seed larger and more uniform, so it’s built for singulation success.



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](http://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.
- Pelta – coupled with singulation equipment – can boost seed survivability by up to 40 percent.

## Consistent plant stands and crop development

- Accurate and uniform seed placement means canola plants emerge uniformly, don't compete with each other for resources and develop more evenly.
- Even crop development 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)**



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.

## Numbers at a glance

Pelta strip trial results from the 2021 growing season:

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

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.

## 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 2024:

- **CS2600 CR-T** – Early-maturity, high-yielding TruFlex™ canola hybrid with strong straight-cut potential and enhanced clubroot resistance.
- **CS3000 TF** – New, mid-maturing, TruFlex™ canola hybrid with Roundup Ready® Technology that offers high yield potential, enhanced second-generation clubroot resistance and excellent straight cut performance.
- **CS 3100 TF** – High yielding, full maturity TruFlex™ canola hybrid that features a great disease package with multigenic blackleg, as well as first and second generation clubroot resistance.
- **CS 4000 LL** – High yielding, mid-maturing LibertyLink® canola hybrid with clubroot and blackleg resistance, strong standability and excellent straight cut performance.