# GRDC PODCAST TRANSCRIPT

**National Variety Trials (NVT) New Variety Podcast series - Canola**

[00:00:05] **Intro** This is a GRDC podcast.

[00:00:12] **Sally Maguire** Hello, I'm Sally Maguire. Welcome back to GRDC's National Variety Trials, or NVT, New Variety podcast series. The NVT program aims to assist Australian grain growers in varietal decision making by providing comparative information of commercially available grain varieties, including on yield performance, on disease resistance ratings and on grain quality. In this four-part series, we are hearing from a range of breeders across seven crop types, with each one providing information on newly commercialised cultivars in the NVT program that will be available to growers for the first time in the upcoming season. In this podcast, it's all about canola; and to kick us off, let's hear from Kate Light from Nutrien.

[00:00:59] **Kate Light** The first variety is one called DG Avon TT, it's a very early TTOP. It's its second year in the NVT program and it's very well suited to low or medium rainfall zones and will be very good in short seasons. Hopefully we don't get them, but if we do, it's a good variety for that. It's very determinate and very short, so it makes it good for direct heading in a low rainfall year. It's got good blackleg resistance, it's MR rated and its group AC. We name our TTOP varieties after rivers, and Avon was named after the Avon River in WA. The second variety we have being released next year is a TruFlex hybrid called DG Drummond TruFlex. Jump onto the SeedNet or Nutrien Ag Solutions websites or give one of our local stores a call and they'll be able to point you in the right direction.

[00:01:58] **Sally Maguire** Now let's hear from seed specialist Greg Bowey from BASF Crop Solutions Australia.

[00:02:04] **Greg Bowey** Available for the first time in 2024, InVigor LR 4540P is the first variety combining the TruFlex trait with BASF's own shatter tolerance trait, PodGuard, as well as the LibertyLink trait, providing tolerance to Liberty herbicide. This combination of traits gives growers more flexible options for controlling weeds in their paddocks early in the growing season, and more flexibility at the end of the season with a wider windrowing window or the option to direct head with minimal losses. PodGuard also gives added protection in adverse weather conditions when the crop is ripe. Following years of internal evaluation, InVigor LR 4540P is currently in the NVT's for its second year. Classed as an early-mid to mid variety, it has a very broad adaptation across most regions where canola is grown. InVigor LR 4540 builds upon the success of the InVigor brand in Australia, following on from the very popular InVigor R 4022P and InVigor R 4520P. But, with the added flexibility of using Liberty herbicide if and when you need it. Expected maturity and yield performance is very similar to our InVigor R 4520P.

[00:03:13] **Sally Maguire** Joining us next, is David Leah from RAGT.

[00:03:17] **David Leah** RGT Baseline TT is a mid-late triazine tolerant hybrid first entered into NVT in 2021 and it is suited to the medium to high rainfall and irrigation areas. It's got a phenological hold which allows it to be planted from early April and not run up into flower too soon, so it will hold on and flower in the ideal window in early August when planted in April. It's got a R blackleg rating when treated with either Ilevo or Saltro, and MR-MS when untreated. Its blackleg grouping is group B, so an ideal rotation to most of the other varieties on the market in the TT space, and it performs its best in the medium to high rainfall zones due to its long maturity. RGT Baseline replaces the SF Ignite TT and as we changed from the Seed Force brand to the RAGT brand, you'll see the changing from the SF to the RGT prefix. RAGT has End Point Royalties on our canolas and RGT Baseline TT has an $11, inclusive of GST, End Point Royalty. One of its main features, other than its top end yield in long season environments, it has very high oil content. The naming of the RAGT lines, in canola in the TT space, line up with a power theme. So, RGT Baseline TT. RGT Capacity TT is an early-mid triazine tolerant hybrid first entered in NVT in 2019. It is suited to the low to medium rainfall environments, it is suited to being planted from about middle of April. It has a level of hold when planted relatively early, but not suited to super early planting. It's got an R rating when treated with Ilevo or Saltro and it has a group B blackleg grouping, performs best in that low medium rainfall zones. It's a more compact growing variety that really allows for good harvest management. It has replaced SF Turbine TT in the RAGT portfolio, and it also has an $11, inclusive of GST, End Point Royalty. RAGT's winter variety's RGT Nizza CL is an early winter variety, which is about 7 to 10 days earlier to flower than the traditional winter varieties. It has a very high oil content and excellent biomass production. They are not tested in the NVT system as there is no NVT's for the winter varieties at the moment. It has an R blackleg rating and a blackleg grouping of Group B. It's suited to planting from early Feb through till early April, for grazing grain production and is a very high yielding and high oil variety for those high rainfall zones. RGT Nizza CL has a $13.20 End Point Royalty, inclusive of GST. RGT Clavier is a winter Clearfield hybrid, similar maturity to SF Edimax CL with very good early biomass production and with a R bare blackleg rating, not tested in NVT, and has just had its blackleg grouping confirmed as an ACH. Performs very well in the long season environments in those high rainfall zones, needs a good soft finish to maximise yield production, grain production and oil quality. It has a $13.20, inclusive of GST, End Point Royalty and is suited to grain and graze production system.

[00:07:23] **Sally Maguire** And now we're joined by Justin Kudnig at Pacific Seeds.

[00:07:27] **Justin Kudnig** The first new variety that Pacific Seeds has for 2024 release to growers is called Hyola Defender CT. This variety is a stacked herbicide variety with Clearfield and Triazine dual herbicide tolerance, and that particular stack of traits was the first introduced globally by Pacific Seeds. Hyola Defender CT has been tested in the NVTs for two years across all low, medium, and high rainfall zones in Australia. Defender CT is a new, mid-early maturing CT Hybrid adapted to growing regions between medium to very high rainfall zones, suited to the 1.5 to 5.5 tonnes per hectare yield zones. Defender has also shown excellent early vigour; it has a blackleg rating of resistant to moderate resistant, with some excellent blackleg rotational genes, ADF. The variety's performance in NVT trials has shown very high yields, equal to an existing product called Hyola Blazer TT, right across Australia. There is no End Point Royalties on Defender CT, and therefore, it can be delivered also as non-GM canola. The variety actually got its name Defender CT because of the CT stack that offers growers that additional defensive benefit of having protection against IMI chemical carryover in the soil from any previous IMI crops that have been grown. The second cultivar that Pacific Seeds is releasing to Australian growers in 2024 is called Hyola Continuum CL. It's a new four series, early-mid maturing hybrid that offers new features in the Australian Clearfield market. Continuum CL has been in the GRDC NVT trials for two years across all the low, medium, and high rainfall zones. This new hybrid is highly adapted from medium through to very high rainfall zones right across Australia in the canola growing regions. Hyola Continuum CL has excellent early vigour for crop suppression, great standability, it has a top blackleg rating of R for resistant, with good rotational groups, ADF. Hyola Continuum CL's variety performance in NVT trials has shown very competitive yields, higher than Hyola Equinox CL across Australia, in the better rainfall regions. There is also no End Point Royalty on Pacific Seeds' hybrids, so this leads to better value for the growers. Hyola Continuum CL can be delivered as a non-GM canola.

[00:10:11] **Sally Maguire** Now, I'm joined by Canola Portfolio Manager from Pioneer Seeds, Clinton Rogers.

[00:10:17] **Clinton Rogers** So, today I'm here to introduce a number of new canola hybrids in the Pioneer canola portfolio. So, the first hybrid I'd like to introduce is the new PY421C. So, this is an early-mid maturity Clearfield hybrid, with phenology and flowering three to four days quicker than 44Y94. So, it's a widely adapted hybrid with exceptional yield for maturity, sets a new benchmark for yield for maturity within the Clearfield segment. It's ideally suited to medium rainfall environments in all canola growing states, and we see it as a companion planting hybrid for 43Y92 and 44Y94. This hybrid is slightly shorter in stature than our current four maturity offering, and it offers excellent standability and shatter tolerance. We've seen exceptional yield performance from 421C in the 2022 NVT trials across a large range of environments and states, and the blackleg groupings and ratings for this new hybrid are group A and it's an RMR and we'll have seed on offer for the 2024 season. So, the next two varieties I'd like to introduce are two offerings within the Opti GLY canola portfolio. So, Optimum GLY canola is a third-generation glyphosate-tolerance trait to be offered to Australian canola grows in 2024. So, the new trait is obviously designed to optimise growth and performance and allows growers to make herbicide applications to achieve weed control without crop injury across a broad window of application. So, the two hybrids, I'd like to introduce a PY422G and PY525G. So, I'll firstly, talk about the PY422G. This is a early-mid maturing hybrid with similar phenology and maturity to 44Y30RR. It's ideally suited to medium rainfall growing zones in WA, SA, Victoria, and New South Wales. Our internal testing has put this hybrid at the top of our testing program for a number of years and we're excited to see the NVT performance in the coming months. The Hybrid is currently undergoing blackleg screening with Marcroft Pathology and the ratings and groupings will be published in the 2024 autumn GRDC Canola Blackleg Management Guide. Likewise, the PY525 is entered into NVT for the first time in 2023. It's a mid-maturity hybrid with excellent yield potential. Phenology of this hybrid is slightly longer than 45Y28, which gives greater versatility at the front end of planting season. It's ideally suited to high rainfall zones and irrigation, although we do see excellent resilience in medium rainfall zones, and that's been a standout in the dry finish that we've seen this spring. So, we're really excited to bring three new hybrids to the market for 2024 season and look forward to sharing the latest NVT results as harvest comes off.

[00:13:24] **Sally Maguire** Today we've heard from plant breeders across the country, all talking about their canola varieties. And just a reminder that the National Variety Trials or NVT program is completely independent, funded and managed by GRDC to provide growers with reliable information to assist in variety choice. As well as individual plant breeder websites, all the information about the varieties featured in this podcast can be found at nvt.grdc.com.au. I'm Sally Maguire. This has been a GRDC podcast. Thanks for listening.