

# CANOLA VARIETY GUIDE

2014|2015



# WELCOME



Welcome to the 2014/15 DuPont Pioneer canola brochure. We hope you had a successful season last year and our aim this year is to, once again, help you top those results.

While strong demand for oilseeds continues to develop, we are all too aware of the many pressures that can arise season to season. Our role in this, as it has always been, is to continue to deliver genetic gains and agronomic performance with our proven and new elite hybrids to ensure no matter what market or climate pressures you encounter, your position is a successful one.

Every Pioneer® brand Y series hybrid aims to improve the overall **consistency of canola production** and continually push the **boundaries of yield potential** and **agronomic performance**, despite the challenging environmental stresses that make growing canola in Australia unique.

**Y Series hybrids** remain at the forefront of introducing new and alternative herbicide tolerant technologies to support responsible weed management in Australian cropping systems. Our canola breeders continue to deliver genetic gains in yield and agronomic performance with three new **Y series hybrids** commercially available this season. Improved standability, crop

height and harvestability make these products much easier to manage. The superior yield, blackleg resistance and oil content also ensure reliable returns. We are confident that you will see the same potential in these next generation **Y Series hybrids** that we have seen over the testing and advancement phase of these products.

Each year we test our elite germplasm in more large scale trials than any other seed company in Australia – there are over 120 large-scale Pioneer STRIKE trials in canola alone. STRIKE trials allow us to test and prove defensive traits, product plasticity, yield and other traits in our broad base of genetics under local Australian conditions. Pioneer will continue to provide you with more comprehensive performance information from our STRIKE locations to help you choose the right **Y Series** hybrid for every acre you grow.

The Pioneer purpose has always been to strive to produce the best products on the market and assist you in making the greatest possible return from our products.

We wish you a successful season ahead.

Clint Rogers

DuPont Pioneer  
Canola Product Manager

# THE ANSWER TO ALL YOUR CANOLA QUESTIONS

- ✓ Yes to accelerated yield gains over traditional open-pollinated varieties.
- ✓ Yes, the seedling vigour is a step-up from anything else on the market.
- ✓ Yes we offer the herbicide tolerance options of Clearfield® and Roundup Ready®.
- ✓ Yes we have a greater choice of maturity to suit all conditions.
- ✓ Yes we have proven the reliability of our seed supply with the highest quality hybrid seed.
- ✓ Yes, Y series hybrids are genetically different and genetically superior, so order the new Y series hybrids early for planting next season.



## WHAT'S IN A NAME?

Pioneer® brand Y series canola is named using a standard system to provide important information that characterises maturity, varieties or hybrids and herbicide tolerance traits. Here is how the system works.

### Indicates maturity

3 = early  
4 = early-mid  
5 = mid  
6 = mid-late

### Indicates whether hybrid or open pollinated

C = open-pollinated canola  
Y = Y series hybrid canola

### Indicates the herbicide trait

2 = Roundup Ready®  
7/8 = Clearfield®

43C80(CL)  
44Y24(RR)



# BETTA ESTABLISHMENT BETTA PROTECTION BETTA RESULTS



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## START STRONG, FINISH STRONG.

For healthier yields and an even healthier bottom line, you can trust the shield of DuPont Pioneer's Premium Betta Strike<sup>®</sup> Seed Treatment. Betta Strike<sup>®</sup> promotes robust, early-season growth along with an extra level of disease and insect protection. See your Pioneer sales professional for help in making the most from your acres. [Pioneer.com/bettastrike](http://Pioneer.com/bettastrike)



# A WORD FROM OUR GROWERS

## CANOLA YIELDS ACHIEVE FIVE TONNES PER HECTARE AT ROBINVALE

**Four blocks of Pioneer® brand hybrid 43Y23 (RR) canola produced average yields of 5 tonnes per hectare on a property leased by Steve Gallace, at Robinvale in the Murray region of northern Victoria.**

Mr Gallace said there was at least 250 acres (100 hectares) which reached the 5 tonne per hectare mark under irrigated conditions on the property last season.

The 43Y23 (RR) was far superior to other canola grown on the property which disappointed with yields of under 2 tonnes per hectare.

"It didn't take long to get the crop up and for it to cabbage up," he said. "It bolted out of the ground."

"It was kept wet the whole time," Mr Gallace said. "It was full of moisture."

43Y23 (RR) is a quicker maturity hybrid which helped reduce water usage and enabled the crop to be harvested earlier in the year than a longer-season maturity.

Roundup Ready® canola was chosen for the weed control option with the majority of the canola only receiving one spray of herbicide post-emergent.

"We were very happy with it," Mr Gallace said. "It was a very good option."



*"It didn't take long to get the crop up and for it to cabbage up," he said. "It bolted out of the ground."*

## SEED SIZE MAKES PLANTING A BREEZE

**As a first-time Pioneer® hybrid 45Y86 canola grower, Tony Williams was surprised at the range of benefits the Pioneer variety brought him.**

In fact, while yield and oil content was outstanding in his central northern NSW crop, seeding time highlighted the benefits of good rate regulation.

“The 45Y86 seed size and uniformity made it extremely good for setting the machine up and really getting down to the finer details of kilos per hectare planting.

“With that size seed it was very easy to set a machine up.

“It was an extremely good advantage for putting in the ground - it was easy and it was good to work with,” Tony explained.

Last season was a tough one for Tony and his brother Rod at Coolah, with both dry conditions and frost impacting crops.

However the 45Y86 still performed well, yielding from 1.5 to just over 2 tonnes per hectare with an average oil content of 46.6 per cent.

In addition, there was virtually no shattering at all during windrowing and harvesting.

“The front of the harvester picked it up and handled it beautifully and it went through very well – windrowing was just the same, it windrowed extremely well and we had very little shattering, I really couldn’t put a percentage on it but it was virtually nil,” he explains.

“It certainly went very well and we were extremely pleased with the result we got with the crop,” said Tony.

*“The front of the harvester picked it up and handled it beautifully and it went through very well - windrowing was just the same.”*





## MUNDULLA GROWER ACHIEVES EXCELLENT RESULTS

**For South Australian farmer Kerry Rowett, choosing a canola variety last season was about getting excellent vigour, pest resistance and a good yield.**

Despite his high standards, the Mundulla farmer found what he was looking for in Pioneer® brand 45Y86.

“We went for the 45Y86 hybrid canola due to its good blackleg tolerance, early vigour for weed competition and at the end of the day, yield and oil content is very important,” he said.

The Rowett’s had an excellent season in 2013, with good opening rains starting the crop off well. With a 2.6 tonne average yield, and oil of 44.5 per cent, it’s a result Kerry would like to repeat every year.

“The crop performed very well in the conditions, even though there was plenty of moisture, it didn’t run up to excessive height, didn’t look like lodging at all and performed very well.

“I was a little bit worried about the crop because of the initial height - with the rainfall we’d had during the year you’d expect the crops to be well above fence height, but it was only just above fence height.

“However, by the time we windrowed it the bushes had all stooped out very

nicely and there was a nice thick windrow coming through.

“We put the header in there and got a nice surprise - the plants had bushed out and the seed size was there to get an excellent yield,” Kerry says.

Alongside the great yield result, the Rowett’s also found 45Y86 to be a very effective weed management tool in controlling wild radish, bedstraw and ryegrass.

“While Intervix® gives good bedstraw and radish control, we put Clethodim in the mix as well to control ryegrass.

Kerry says he’ll definitely be growing 45Y86 again. “It’s a very good cash crop, break crop and weed management tool all in one, it serves many purposes well,” he says.



# HOSTING STRIKE TRIAL A CHANCE TO SEE INTO FUTURE FOR WA GROWER

**From hosting a Roundup Ready® STRIKE trial to travelling to Canada to speak with breeders directly, WA farmer Tim Scott is very focused on getting the most out of his canola program.**

The Munglinup farmer had been growing Triazine Tolerant (TT) canola for a number of years, before also introducing Clearfield® varieties after being impressed with the hybrid vigour and yield of the technology.

“We have now had a few years of the Clearfield® system, and in fact through the Dupont Pioneer Clearfield® Challenge ended up getting to go to Canada, which was really good, so we’ve done pretty well out of the Clearfield® system.

“In Canada it was really good to be able to actually talk to some of the plant breeders about plant traits and what they’re trying to do - to see it from that point of view and how much money they spend on varieties, you know you’re going to get good quality seed,” Tim says.

In order to keep his chemical rotation healthy, Tim has this year focused on TT and Roundup Ready® varieties, pulling the Clearfield® varieties out for a season.

“Roundup Ready® in particular suits for early sown canola - this year we didn’t get a very good weed germination due to lack of moisture.

“However Roundup Ready® technology enabled us to go into some paddocks even without a

knockdown, meaning we can start seeding a little bit earlier,” he explains.

Tim is growing a range of varieties in his 2014 program, including Pioneer® brand 44Y24 hybrid canola, plus a Roundup Ready® Pioneer STRIKE trial.

Tim says the best thing about hosting a STRIKE trial is the ability to look at new varieties every time he drives in the paddock.

“If there’s a newer variety coming, you’ve got a bit of a heads up, plus guys like Peter Bostock (Dupont Pioneer WA Sales and Technical Manager) also keep you in the loop with what may be coming or what they’ve been seeing in the development pipeline.

“You can see how the new varieties perform in everything from handling disease, their vigour, to lodging and how the crops stand up,” Tim says.





## WA WHEATBELT GROWER VALUES CANOLA TECHNOLOGY

**‘Look after the system and it will continue to perform for you’ is the philosophy of West Australian wheatbelt farmer John Young to his Roundup Ready® cropping program.**

Having used Roundup Ready® canola technology for a number of seasons now, the Calingiri grower has this year planted Pioneer® brand canola 44Y24(RR) and is also running a small trial of new Pioneer® brand canola 45Y25(RR).

John places the utmost importance on good stewardship of the Roundup Ready® technology to preserve its impact.

“We aim to get the timing right on our two in-crop sprays and we also use a pre-emergent herbicide when we sow the canola, to try and reduce the reliance on glyphosate when the volunteers and ryegrass first comes up.

“I think it’s essential we’re able to have this tool to be able to fight resistance, and I mean not only glyphosate resistance, but herbicide resistance in general.

“I am desperate to keep the tool, and to do that we follow the stewardship program in detail,” John explains.

For John, this means using paddocks that haven’t had too much glyphosate in the past and that have a reasonably low weed seed burden.

“We don’t use Roundup Ready® canola as a last resort, we try to use it before

it gets to that situation,” he explains.

Selecting this seasons canola varieties was a matter of matching maturity traits with the early season break in Calingiri.

“We are medium rainfall zone here, and sometimes we get an early start, and we were lucky to get that this year.

“We had an early rain around the 22nd April and had most of our 44Y24 in the ground then - we chose that variety as it has a slightly longer maturity, so we can optimize the length of the season,” John says.

In addition to the 44Y24, John is also getting a look into the future of Pioneer canola varieties, with a trial of new 45Y25 on his property.

“We’ve been very happy with their varieties in the past, so we’re just keen to look at whatever the new varieties are in the pipeline.

“Pioneer lines have been very good in the past and we have achieved excellent yields, especially last year. So we’re very happy with them, and an added bonus is the excellent support the company gives us,” John concludes.



# PIONEER Y SERIES CANOLA

## THE CLEARFIELD®

## PRODUCTION SYSTEM



With the development of new, high yielding, high oil content hybrids and Intervix® herbicide, the Clearfield® production system delivers high returns Australian growers have been looking for without compromising weed control.

- The Clearfield® production system for canola combines leading genetics and high performance canola varieties with a robust broad spectrum herbicide option.
- Clearfield® canola varieties have been developed through conventional plant breeding techniques and are not genetically modified organisms (non-GMOs). Therefore, they do not require any form of grain segregation in the marketing process.
- The Clearfield® production system is available through accredited AgriCentres, with staff specifically trained to deliver a best management practice program to assist growers to maximise their return.

### The herbicide

- Intervix® herbicide is a group B herbicide.
- The active ingredients are 33g/L imazamox plus 15g/L imazapyr.
- The formulation is an easy-to-use water soluble liquid (SL).

### Key weeds controlled

Control and suppression of a vast range of problem weeds, including:

Rigid brome grass	Indian hedge mustard
Muskweed	Wild radish
Wild turnip	Annual ryegrass
Wild oat	Dense flower fumitory
Great brome	Charlock
Barley grass	Silver grass*
Sub clover	Marshmallow
Volunteer barley	Bedstraw spp.*
Wheat - non Clearfield®	Doublegee

\* Label claims suppression of these weeds - surviving plants will generally be retarded and will not compete with the crop.

### Intervix® provides growers with all the following benefits:

- Powerful grass weed control particularly on brome grass, barley grass and wild oats.
- Excellent broadleaf weed control particularly on wild radish, wild mustard and wild turnip.
- Growing season residual weed control to manage staggered germinations.
- Safer plantbacks to provide increased flexibility with fallow crop selection.
- Broad-spectrum, one-pass, post-emergent knockdown and residual control of key grass and broadleaf weeds.
- Potentially greater return per hectare.
- Easy to use and transport.
- Can reduce the reliance on triazine and Group A grass herbicides in the canola phase of the rotation.
- Is a strong foliar-active product with good soil-residual action.

# 43C80 (CL)

A unique planting option ideally suited to short season growing zones. This open-pollinated variety adds flexibility for rotational weed management without compromising yield and marketing choice.

## KEY FEATURES

- A unique planting option in the Clearfield® class, ideally suited for reliable results and reduced risks in low rainfall growing zones.
- Recommended planting partner to Pioneer's early maturity Y series hybrids, 43Y85 (CL) and 43Y23 (RR) for effective rotational weed management.
- Larger seed size than Juncea and TT canola – well suited to reliable planting calibration and reduced planting rates without compromising establishment in minimum tillage systems.
- Early maturity (3) with days to maturity up to 7 days quicker than commercially available Juncea canola varieties. Offers greater flexibility across the planting window including later seasonal breaks in low rainfall growing zone.
- Betta Strike® seed protection standard to enhance blackleg resistance [MR].
- Shorter plant height than hybrids and uniform ripening provide ease of management where direct harvesting is preferred.
- Proven canola grain quality – does not require grain segregation or limit grain delivery and marketing arrangements across all Australian states.

## AGRONOMIC PROFILE

VARIETY TYPE	Open pollinated canola
MATURITY	Early season (3)
BLACKLEG RATING	MR*
BLACKLEG RESISTANCE GROUP	Not yet screened
EARLY PLANT VIGOUR	Very good
PLANT HEIGHT	Short-medium
CROP STANDABILITY	Very good
GRAIN OIL CONTENT	High
YIELD POTENTIAL	High for maturity
GRAIN TEST WEIGHT	Excellent+

## COMMENTS



RECOMMENDED

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# 43Y85 (CL)

The earliest Y series hybrid option. Ideally suited to short-season growing zones. This hybrid combines excellent yield for maturity and strong agronomic traits.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Clearfield® hybrid
MATURITY	Early season (3)
BLACKLEG RATING	R-MR*
BLACKLEG RESISTANCE GROUP	A
EARLY PLANT VIGOUR	Excellent
PLANT HEIGHT	Short-medium
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	High
YIELD POTENTIAL	Very high for maturity
GRAIN TEST WEIGHT	Excellent†

## COMMENTS



RECOMMENDED

## KEY FEATURES

- A unique hybrid option in the Clearfield® class, ideally suited for higher yields and reliable results across tough seasons in low and medium rainfall growing zones.
- Recommended planting partner to Pioneer's early maturity open-pollinated Clearfield® variety, 43C80 (CL) in low rainfall growing zones.
- Early maturity (3) with days to maturity similar to 43C80 (CL) and up to 4 days quicker compared to 44Y84 (CL) and other '4' maturity hybrids. Offers greater flexibility across the planting window including later seasonal breaks in medium rainfall growing zones.
- Hybrid vigour well suited to minimum tillage systems and quicker canopy closure compared to TT canola enhances crop competition and weed control.
- Enhanced blackleg resistance in early maturity class - [R-MR], genetically different for blackleg group rotation.
- Strong agronomic traits provide ease of management where direct harvesting is preferred.

\* 2013 GRDC official rating with standard Betta Strike® seed protection.

† Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.



# 44Y84 (CL)

The most widely recognised Y series hybrid and the industry benchmark in the Clearfield® class. The hybrid combines excellent hybrid vigour, very high top-end yield and very high oil content for its maturity.

## KEY FEATURES

- Widely adapted Clearfield option, ideally suited for higher yields and reliable results across tough seasons in low and medium rainfall growing zones.
- Recommended planting partner to the next generation hybrid 44Y87 (CL) and replaces 45Y82 (CL) in low and medium rainfall growing zones. Adds economic bonus of high oil in these zones and with higher yielding next generation planting partners.
- Hybrid vigour well suited to minimum tillage systems and quicker canopy closure compared to TT canola enhances crop competition.
- Unique combination of Sylvestris seedling and adult plant blackleg resistance - [MR] has shown good resilience in managed rotations over many years.
- Hybrid vigour and delayed time to flowering compared to most early maturity canola. Recommended dual-purpose canola option in medium rainfall growing zones.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Clearfield® hybrid
MATURITY	Early-mid season (4)
BLACKLEG RATING	MR*
BLACKLEG RESISTANCE GROUP	A
EARLY PLANT VIGOUR	Excellent
PLANT HEIGHT	Medium-tall
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	Very high
YIELD POTENTIAL	Very high for maturity
GRAIN TEST WEIGHT	Excellent <sup>+</sup>

## COMMENTS



RECOMMENDED

\* Blackleg resistance rating with standard BettaStrike® seed protection.

<sup>+</sup> Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.



# NEW

## ELITE HYBRID

*OUTSTANDING AGRONOMIC  
PACKAGE AND CONSISTENCY  
IN PERFORMANCE DELIVERS  
RELIABLE RESULTS.*

# 44Y89 (CL)

A new generation Y series hybrid that has outstanding performance adding to the already outstanding early-mid maturity options in Pioneer's Clearfield® product range. One of the most widely adapted Clearfield® hybrids combined with an outstanding agronomic profile.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Clearfield® hybrid
MATURITY	Early-mid season (4)
BLACKLEG RATING	R-MR*
BLACKLEG RESISTANCE GROUP	B, C <sup>#</sup>
EARLY PLANT VIGOUR	Exceptional
PLANT HEIGHT	Short-medium
CROP STANDABILITY	Exceptional
GRAIN OIL CONTENT	Very high
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent <sup>†</sup>

## COMMENTS



RECOMMENDED

## KEY FEATURES

- Early-mid maturity (4) with time to flowering similar to 44Y84 (CL). Offers greater flexibility across planting window.
- Shorter plant stature, outstanding standability and uniform ripening aids ease of management in high-yielding crops.
- Excellent blackleg resistance - [R-MR], genetically different for blackleg group rotation.

\* Blackleg resistance rating with standard Betta Strike® seed protection.

<sup>#</sup> Provisional resistance group classification from 2013 DuPont Pioneer screening.

<sup>†</sup> Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.

# 44Y87 (CL)

The next generation Y series hybrid that offers greater flexibility across a wide range of growing conditions. This Clearfield® hybrid exhibits exceptional hybrid vigour, more compact plant stature and very high top-end yield for its maturity.

## KEY FEATURES

- Widely adapted Clearfield® option, ideally suited for top-end yields in medium rainfall growing zones and irrigation in shorter growing season environments.
- Recommended planting partner to 44Y84 (CL) and 44Y89 (CL), ideally suited to medium rainfall growing zones.
- Early-mid maturity (4) with days to maturity 4-6 days quicker than 45Y82 (CL). Offers greater flexibility across the planting window including later seasonal breaks.
- Shorter plant stature and outstanding standability aids ease of management in high-yielding crops.
- Enhanced blackleg resistance - [R-MR], genetically different for blackleg group rotation.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Clearfield® hybrid
MATURITY	Early-mid season (4)
BLACKLEG RATING	R-MR*
BLACKLEG RESISTANCE GROUP	A
EARLY PLANT VIGOUR	Exceptional
PLANT HEIGHT	Short-medium
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	High
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent <sup>+</sup>

## COMMENTS



RECOMMENDED

\* 2013 GRDC official rating with standard Betta Strike® seed protection.

<sup>+</sup> Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.



# 45Y88 (CL)

Y series hybrid that brings higher returns for canola growers in high rainfall growing zones (HRZ). This Clearfield® hybrid offers a well-rounded agronomic package that adds ease of management.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Clearfield® hybrid
MATURITY	Mid season (5)
BLACKLEG RATING	R-MR*
BLACKLEG RESISTANCE GROUP	A
EARLY PLANT VIGOUR	Excellent
PLANT HEIGHT	Medium
CROP STANDABILITY	Exceptional
GRAIN OIL CONTENT	High
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent†

## COMMENTS



RECOMMENDED

## KEY FEATURES

- Redefines top end yield potential in the Clearfield® class.
- Recommended planting partner to 45Y86 (CL), ideally suited in high rainfall zones and irrigation in full-season growing environments.
- Mid maturity (5) with similar flowering time to Hyola 575CL, yet quicker to maturity.
- Shorter plant stature and outstanding standability aids ease of management in high-yielding crops.
- Excellent blackleg resistance - [R-MR], genetically different for blackleg group rotation.

\* DuPont Pioneer research provisional rating with standard Betta Strike® seed protection.

† Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.



# 45Y86 (CL)

Y series hybrid that combines very high yield potential and adds the economic bonus of very high oil content. This mid maturity Clearfield® hybrid exhibits excellent standability and very uniform ripening to aid harvesting of canola from the paddock into the grain bin.

## KEY FEATURES

- Extensively tested in plot and broadacre trials over 6 years (2007-2012) providing more confidence in product performance.
- Widely adapted planting partner in medium and high rainfall growing zones.
- Mid maturity (5) with time to flowering quicker compared to 45Y88 (CL), and similar days to maturity.
- Shorter plant stature and outstanding standability aids ease of management in high-yielding crops.
- Excellent blackleg resistance - [MR], genetically different for blackleg group rotation.
- Exceptional hybrid vigour offers flexibility across planting window and recommended dual-purpose canola option in high rainfall growing zones.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Clearfield® hybrid
MATURITY	Mid season (5)
BLACKLEG RATING	MR*
BLACKLEG RESISTANCE GROUP	B
EARLY PLANT VIGOUR	Exceptional
PLANT HEIGHT	Medium-tall
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	Very high
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent <sup>+</sup>

## COMMENTS



RECOMMENDED

\* 2013 GRDC official rating with standard Betta Strike® seed protection.

<sup>+</sup> Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.

ALL PRODUCTS  
QUALIFY FOR  
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.....> POINTS <.....

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**For more information on Club Pioneer, contact your Pioneer representative, call 1800 PIONEER or visit [pioneer.com](http://pioneer.com)**



# PIONEER Y SERIES CANOLA

## ROUNDUP READY® TECHNOLOGY



A growing number of farmers are realising the benefits of using Roundup Ready® canola, especially when it comes to excellent grass weed control without compromising on yields.

That's why farmers purchased over 700 tonnes of Roundup Ready® canola seed in 2013, an increase of 22% from the 2012 season.

New high-performing varieties, the reopening of China's market and negligible premiums for non-GM canola are convincing even more farmers to make the switch.

### The herbicide

- Roundup Ready® herbicide with PLANTSHIELD® is a group M herbicide.
- The active ingredient is 690 g/kg glyphosate.
- The formulation is dry and does not require additional surfactant.

### Roundup Ready® canola provides growers with the following benefits:

- Flexible and powerful weed control.
- Sow on time, every time with Roundup Ready® canola and only commit to controlling weeds when they appear.
- No worrying about timely incorporation of herbicides associated with other canola systems.
- Roundup Ready® canola is the first choice for zero-till farmers that want to get on with the job – no mess, no fuss, just plant the seed and come back after the rain with the knockdown power of Roundup Ready® herbicide with PLANTSHIELD®.
- There is just one simple fee for your Roundup Ready® canola technology, making it easier to manage your profits.

### Key weeds controlled

- The Roundup Ready® system provides excellent control of grasses and of ryegrass resistant to selective herbicides.
- In general, Roundup Ready® herbicide had good efficacy on most weeds.



# 43Y23 (RR)

The earliest maturity Y series hybrid with Roundup Ready® technology. Sets the industry benchmarks on shatter tolerance in the field and high yield for maturity. Exceptional hybrid vigour helps to deliver effective weed control results in low and medium rainfall growing zones.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Roundup Ready® hybrid
MATURITY	Early season (3)
BLACKLEG RATING	R*
BLACKLEG RESISTANCE GROUP	Potential new or combination of known resistance genes
EARLY PLANT VIGOUR	Exceptional
PLANT HEIGHT	Medium
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	High
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent†

## COMMENTS



RECOMMENDED

## KEY FEATURES

- Proven consistency in top-end yields over a wide range of growing conditions.
- Recommended planting option in low and medium rainfall growing zones. A better option for managing weeds and herbicide resistance than TT canola varieties without compromising vigour and yield potential.
- Early maturity (3) with time to flower up to 4 days quicker compared to 44Y24 (RR).
- Shorter plant stature, outstanding standability and shatter tolerance aids ease of management where crops are windrowed or direct headed. Grain size is uniform and large.
- Excellent blackleg resistance - [R], genetically different for blackleg group rotation.

\* 2013 GRDC official rating with standard Betta Strike® seed protection.

† Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.





# 44Y26 (RR)

The next generation Y series hybrid that takes plasticity and oil content to a new level. One of the most widely adapted Roundup Ready® hybrids combined with an outstanding agronomic profile.

## KEY FEATURES

- Recommended planting option in low and medium rainfall growing zones. A better option for managing weeds and herbicide resistance than TT canola varieties without compromising vigour and yield potential.
- Early-mid maturity (4) with outstanding plasticity offers greater flexibility across the planting window.
- Excellent oil content for those attractive oil bonuses.
- Excellent blackleg resistance - [R].
- Suitable planting partner to 43Y23 (RR).

\* Blackleg resistance rating with standard Betta Strike® seed protection.

# Provisional resistance group classification from 2013 Pioneer screening.

\* Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.

# NEW ELITE HYBRID

*OUTSTANDING PLASTICITY,  
YIELD AND OIL CONTENTS  
GIVING YOU CONFIDENCE  
IN RELIABLE RETURNS.*

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Roundup Ready® hybrid
MATURITY	Early-mid season (4)
BLACKLEG RATING	R*
BLACKLEG RESISTANCE GROUP	A, B#
EARLY PLANT VIGOUR	Excellent
PLANT HEIGHT	Medium-tall
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	Excellent
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent+

## COMMENTS



RECOMMENDED

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# 44Y24 (RR)

This Y series hybrid is an early-mid maturity option in Pioneer's Roundup Ready® product range. One of the most widely adapted Roundup Ready® hybrids combined with an outstanding agronomic profile.

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Roundup Ready® hybrid
MATURITY	Early-mid season (4)
BLACKLEG RATING	R*
BLACKLEG RESISTANCE GROUP	C
EARLY PLANT VIGOUR	Exceptional
PLANT HEIGHT	Medium
CROP STANDABILITY	Excellent
GRAIN OIL CONTENT	High-very high
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent†

## COMMENTS



RECOMMENDED

## KEY FEATURES

- Sets an industry benchmark for consistency in top-end yields over a wide range of growing conditions.
- Recommended planting partner to 45Y25 (RR), ideally suited in medium and high rainfall growing zones. The new Roundup Ready® planting option in all irrigation areas.
- Early-mid maturity (4) with time to flowering and days to maturity up to 4 days quicker compared to 45Y25 (RR). Offers greater flexibility across planting window and wider adaptation.
- Shorter plant stature, outstanding standability and uniform ripening aids ease of management in high-yielding crops.
- Excellent blackleg resistance - [R], genetically different for blackleg group rotation.

\* DuPont Pioneer research provisional rating with standard Betta Strike® seed protection.

† Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.



# 45Y25 (RR)

The new generation Y series hybrid that combines very high yield potential, consistency and very high oil content. This mid maturity Roundup Ready® hybrid packs exceptional performance into an outstanding agronomic package setting a new benchmark in the Mid Roundup Ready® segment.

## KEY FEATURES

- Sets a new industry benchmark for consistency in top-end yields over a wide range of environments.
- Ideally suited in medium and high rainfall growing zones. The new Roundup Ready® planting option under irrigation.
- Shorter plant stature, outstanding standability and uniform ripening aids ease of management in high-yielding crops.
- Exhibits exceptional hybrid vigour resulting in excellent early crop competition and canopy cover.
- Suitable planting partner to 45Y22 (RR).

# NEW ELITE HYBRID

*AN EXCITING HYBRID  
WITH MARKET LEADING  
PERFORMANCE AND  
CONSISTENCY.*

## AGRONOMIC PROFILE

VARIETY TYPE	Y series Roundup Ready® hybrid
MATURITY	Mid season (5)
BLACKLEG RATING	R*
BLACKLEG RESISTANCE GROUP	B, C <sup>#</sup>
EARLY PLANT VIGOUR	Exceptional
PLANT HEIGHT	Medium
CROP STANDABILITY	Exceptional
GRAIN OIL CONTENT	Very high
YIELD POTENTIAL	Very high
GRAIN TEST WEIGHT	Excellent <sup>+</sup>

## COMMENTS



RECOMMENDED

\* Blackleg resistance rating with standard Betta Strike® seed protection.

<sup>#</sup> Provisional resistance group classification from 2013 Pioneer screening.

<sup>+</sup> Minimum canola trading standard is 62 kg/hl [Australian Oilseeds Federation]. Smaller grain rejectable under this limit.

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