

**NEW
in 2010**

**Pioneer®
Hybrid**

45Y82 (CL)

web: australia.pioneer.com

Mid-early maturity (5) Y Series Hybrid Canola

The simple system to control weeds without compromising yield

Next generation technology

Y series hybrids from Pioneer® are next generation canola hybrids with herbicide tolerant [HT] technologies that give sustainable and high performance alternative options to triazine tolerant [TT] canola.

The second generation of new Y series hybrids with CLEARFIELD® technology is now here.

Yield benchmark for maturity

NEW 45Y82 (CL) (tested as 06N785I) represents the next generational step in accelerated yield gains of Y series canola hybrids with CLEARFIELD® technology to increase grower returns. 45Y82 (CL) breaks new ground on yield potential in the herbicide tolerant group, closing the gap on benchmark conventional varieties and hybrids such as AV-Garnet and Hyola 50.

45Y82 (CL) has demonstrated a yield advantage averaging 6.1% over and above the benchmark CLEARFIELD® hybrid 45Y77 (CL). Its 75% wins against 45Y77 (CL) showed exceptional consistency in performance across growing zones during the tough years from 2006 to 2008.

Results from 2008 trials indicate 45Y82 (CL) yields 10.7% higher than the only competitor CLEARFIELD® hybrid, Hyola 571CL. Oil content is comparable to 45Y77 (CL) and approximately 1% higher than check TT canola varieties in the mid-early group.

Shorter season adds flexibility

45Y82 (CL) is quicker flowering (ranging from 3-8 days) and slightly earlier maturity (approx 4-5 days) compared to 45Y77 (CL) and Hyola 50. 45Y82 (CL) provides an ideal planting partner with 45Y77 (CL) in medium and higher rainfall areas throughout Australia. 45Y82 (CL) is also recommended for inland irrigation areas or where sowing is delayed by timing of the seasonal break.

The inclusion of 45Y82 (CL) in your canola program helps ensure reliable results where the growing season is shortened by tight spring conditions than longer season HT varieties and hybrids such as Hyola 76, Flinders TTC and ATR-Marlin. 45Y82 (CL) combines improved stress tolerance associated with Y series hybrids and the CLEARFIELD® trait for greater stability in canola production.

Easier to manage

45Y82 (CL) has been selected by Pioneer research for markedly shorter plant height combined with exceptional standability even in high yielding environments. 45Y82 (CL) offers even ripening and improved harvestability that adds an economic bonus for hybrid canola particularly when canola is being grown over large areas.

Hybrid vigour

45Y82 (CL) exhibits large seed and excellent hybrid vigour comparable to 45Y77 (CL). The rapid emergence and much stronger cabbage growth of Y series canola hybrids leads to quicker canopy closure than TT canola that allows the crop to compete better against weeds and help overcome early insect pest damage. In turn, this helps to set up higher yield potential. Also, the establishment success of your 45Y82 (CL) crop is covered by Replant ExtraSM available exclusively to Club Pioneer members.

Better blackleg resistance

Extensive field testing of 45Y82 (CL) from by Pioneer research indicates a provisional rating of R-MR and its resistance looks stable under high disease pressure.

All Y series hybrids feature a unique combination of Sylvestris and polygenic sources of blackleg resistance. Now you have a real choice to provide more durable protection of your canola crop and an excellent option to manage the risk of disease in rotations.

To complement an integrated management approach to protect your investment from potential losses caused by key diseases and pests, 45Y82 (CL) seed is also Beta Strike® treated as standard.

The simple system to control weeds without compromising yield



NEW 45Y82 (CL) offers the simplicity of the CLEARFIELD® technology

that is ideally suited to minimum tillage systems, combined with the proven agronomic benefits of Y series hybrids. Imidazolinone herbicides registered for CLEARFIELD® canola provide knockdown and residual activity that ensure highly effective control of a wide range of weeds and are one of the safest chemicals on the market.

**Y Series hybrids
Pioneer leads in performance**

Comparison	Locs	% Win	Yield adv %
45Y82 (CL) vs. 45Y77 (CL)	16	75	6.1
45Y82 (CL) vs. Hyola 50	11	55	2
45Y82 (CL) vs. AV-Garnet	6*	100	16

Source: Pioneer research trials conducted over 3 years in 2006-08 seasons.*2008 season only.

CLEARFIELD® comparison

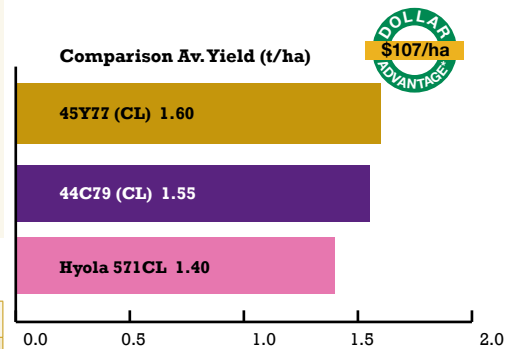
Comparison	Locs	% Win	Yield adv %
45Y77 (CL) vs. Hyola 571CL	19	65	4.6

Source: Average of all GRDC trials conducted in 2008 season.

TT canola comparison

Comparison	2007-08		Average Gross Income*
	Av. Yield (t/ha)	Oil %	\$/ha
45Y77 (CL)	1585	37.4	\$844 (+\$65/ha)
vs. average of early-mid TT	1478	36.7	\$779

Source: GRDC trials conducted at common locations in 2007 (19 locs) and 2008 (18 locs) seasons. Only trials results where CV less than 15% included. Average of mid-early TT varieties calculated using Tornado TT, Storm TT and ATR-Cobbler as checks.*Average Gross Income calculated based on trial yield and oil content data across 2007 and 2008 seasons at commercial price of \$557/t (average from 24 receival points in the week ending 26/6/09).



Source: Variety trial conducted by Agritech Crop Research (NSW) at Bernard Hart, Junee in 2008 season. Trial ID: W08-140. Trial CV 12.68. *Average Gross Income calculated based on trial yield and oil content data at commercial price of \$557/t (average from 24 receival points in the week ending 26/6/09). Income advantage compares 45Y77 (CL) vs. Hyola 571 CL.

45Y82 (CL) agronomic summary

Maturity	Mid-early season [4-5]
Recommended growing regions	Medium (500+ mm) to high rainfall zones and irrigation
Herbicide tolerance trait	Tested for tolerance to imidazolinone herbicides, On-Duty® and new Intervix®
Early vigour	High-very high
Blackleg rating	R-MR (provisional rating#)
Plant height	Medium
Standability	Exceptional
Yield potential	Very high
Grain oil content	High, 41-46%
Key features	New hybrid: exceptional standability for ease of management in combination with high grain yield for maturity

Provisional rating based on Pioneer research trials.

