



**You've planted the best seed and ensiled with the best inoculant... now protect your silage with Passion.**

## Passion Yellow

Scientifically proven to protect forage and grains from oxygen – over 1000 times more than traditional covers.

- ✓ Reduces inedible silage by 72%
- ✓ Reduces top surface loss by 50%
- ✓ Improves aerobic stability by 2.5 days
- ✓ Maintains silage quality and nutrient supply
- ✓ Improved profit per tonne of silage fed



## Your seed is backed by local experience.

With dedicated and highly skilled team members located right throughout Australia you can be sure of accessing the best local knowledge to help you maximise your investment in Pioneer® brand hybrid seed.



Scan the QR Code to *get in touch with us today.*

PIO23008

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**WHAT YOU SEED IS WHAT YOU GET**



## We share your Passion for quality silage



**WHAT YOU SEED IS WHAT YOU GET**

## What is Passion Yellow?

Passion Yellow is a specifically engineered oxygen barrier film of 45 micron (1.8 mil) thickness. Passion Yellow has been scientifically proven to protect forage and grains from oxygen – 1000 times more than traditional plastic covers.

### Oxygen Transmission Rate

	OTR	OTR
	ASTM D3985-02 100% O <sub>2</sub> cm <sup>3</sup> / m <sup>2</sup> / 24h	DIN 53380-3 21%O <sub>2</sub> cm <sup>3</sup> / m <sup>2</sup> / 24h
Regular cover	2000	400
Clear 50µm (2 mil)	5800	1200
Passion Yellow	2	0.4



It is lightweight, strong, stretchy, flexible and clingy, easy to use and cost effective. Applied immediately after harvesting and packing, Passion Yellow barrier film blocks oxygen from penetrating, allowing high quality fermentation of the feed and reducing surface spoilage of the pile or bunker.

## Why use Passion Yellow?

- ✓ Passion Yellow minimises feed loss and protects and returns producer investments in feed inputs on dairy farms.
- ✓ The spoilage fed to dairy herd results in depressed dry matter intake and potential rumen damage which deprives cows of essential nutrients needed for milk production.
- ✓ Healthy rumen function begins with the feed that provides energy, protein, minerals and vitamins - all of which Passion Yellow oxygen barrier protects
- ✓ With less spoiled feed to pitch you can save labour and time can be utilized in other areas of your business.

## Research confirms the superiority of Passion Yellow

41 comparisons of oxygen barrier film with regular polyethylene covers on bunkers and clamps including drive-over piles and small silos.

		n	PE film	OB Film	Sig.
Bunker and clamp silos	Loss (%)	41	19.5	11.4	<0.001
	Inedible DM (% of total DM)	5	10.7	2.96	0.022
	Aerobic stability (hours)	11	75.3	134.5	0.001

J.M.Wilkinson and J.S. Fenlon (2013). A meta-analysis comparing standard polyethylene and oxygen barrier film in terms of losses during storage and aerobic stability of silage. Grass and Forage Science. Published online October 2013. doi:10.1111/gfs.12087.

## Storage and handling

- ✓ Store in dark, cool, dry conditions
- ✓ Store out of sunlight and in the original packaging
- ✓ Any opened and unused product should be protected from sunlight and stored for future use.
- ✓ Suitable for recycling

**Passion Yellow is scientifically proven to protect forage and grains from oxygen - over 1000 times more than traditional covers.**

## Technical Date Sheet

Appearance: Transparent flexible film with a yellow tint

TEST	UNIT	METHOD	TYPICAL VALUE	TOLERANCE	
Thickness	um	ISO 4593	45	±10%	
Tensile strength at break	MD	N/mm <sup>2</sup>	ASTM D882	42	±15%
	TD	N/mm <sup>2</sup>	ASTM D882	42	±15%
Elongation at break	MD	%	ASTM D882	750	±15%
	TD	%	ASTM D882	750	±15%
Dart Drop	g	ASTM D1709-A	>400		
Oxygen Transmission Rate	cm <sup>3</sup> /m <sup>2</sup> /24hr	DIN 53380-3	<0.4		