PASSION AG

High Performance Oxygen Barrier Film

FEATURES

- Strong and stretchy
- Very flexible and clingy
- Full range of sizes
- Low OTR
- Well proven product supported by published research
- From a manufacturer experienced in producing barrier films for the silage market

BENEFITS

- More silage tonnage to Feed
- More silage nutrients to Feed
- Improved Aerobic Stability
- Better Intakes
- Healthier Cows
- More Milk in the Bulk Tank
- More Profit per tonne of Silage Fed

OXYGEN TRANSMISSION RATE

	OTR ASTM D3985-02 100% O_2 cm^3 / m^2 / 24h	OTR DIN 53380-3 21%O_2 cm^3 / m^2 / 24h
Regular cover	2000	400
Clear 40 micron film	5800	1200
Film from Passion Ag	**20**	**5**

About Passion Ag
The Passion Ag team have 15 years of experience in the supply and distribution of oxygen barrier films for agriculture in the UK, as well as many other countries.

info@passionag.com | Tel: +44(0)800 677 1179

PASSIONAG.COM

For further info please contact your local Passion Ag representative:

RESEARCH PROVEN

Worldwide independent and University research trials prove the superiority of Oxygen Barrier Film compared to regular silage covers.

OXYGEN BARRIER FILM

Reduces top surface loss by 50%

Reduces inedible silage by 72%

Improves aerobic stability by 2.5 days (60 hours)

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.

Reduction in Dry Matter loss (reduction in shrink) compared with regular plastic

Reduced surface spoilage in both corn silage and HM corn

Better fermentation profiles, with lower pH values and higher concentrations of lactic acid

Comparison of 150 micron plastic cover and oxygen barrier film on pH, fermentation profile, estimated loss of organic matter (OM) and ash content at 0-50 cm from the surface at 240 days post filling.

	Corn Silage		HM Corn	
Item	Regular plastic	OB Film	Regular plastic	OB Film
DM content (%)	29.2	31.6	72.3	73.2
pH	4.2			
Estimated OM loss (%)*	34.8	17.8	21.1	6.7
	% of the silage DM			
Lactic acid	2.7	6.8	0.86	1.08
Acetic acid	2.6	2.2	0.25	0.31
Ash	11.2	9.1	2.1	1.98

* Estimated loss of OM calculated from ash using the equations described by Dickerson et al. (1992a) Sealing Strategies for Bunker Silos and Drive-over Piles

Berger, Larry L., and Bolsen Keith K. Proceedings Silage for Dairy Farms: Growing, Harvesting, Storing, and Feeding. NRAES Publ.181. Ithaca, NY