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Suitability of litter amendments for the Australian chicken meat industry

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Cost comparison scenario

This cost comparison is based on a shed size 150 m long by 15 m wide, with litter depth 5 cm.

Costs of new bedding materials and litter amendments

Table S1. Costs of new bedding materials (Watson and Wiedemann 2019)

Bedding material	Cost range (\$/m³)		
Shavings	22–38		
Sawdust	18–30		
Rice Hulls	16–25		
Straw	10–15		
Recycled pallets	15–25		

Table S2. Costs of litter amendments

Litter amendment	Cost ex GST (AUD, \$/kg or \$/L)	Application rate per grow-out (g/m² or ml/m²)	Cost (per m²)
StalosanF (Vilofoss, Denmark)	4.12	100–150	0.41-0.62
Sodium bisulfate	1.20	370–730	0.44-0.88
Sodium bisulfate (after windrowing)	1.20	570–910	0.68-1.09
Alum	0.60	610-1220	0.37-0.73
AL+Clear (Chemtrade Logistics, Canada)	0.62#	490	0.30
AL+Clear Xtra (Chemtrade Logistics, Canada)	0.83#	490	0.41
Litterlife (Southland Organics, Georgia USA)	9.43#	20.4	0.19
Klasp (Kemira Water Solutions, USA)	1.02#	245–730	0.25-0.74
Poultry Guard Litter Treatment (Oil Dri Corporation of America, USA)	NA	490–615	NA

[#]Prices based on US retail costs, NA=not available

Cost comparison charts (\$ per shed per grow-out)

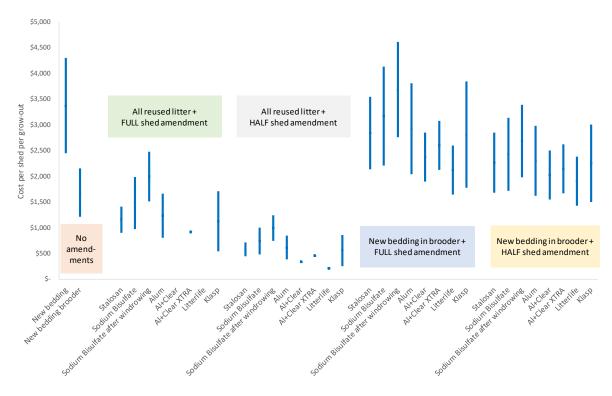


Fig S1. Cost comparison chart for wood shavings

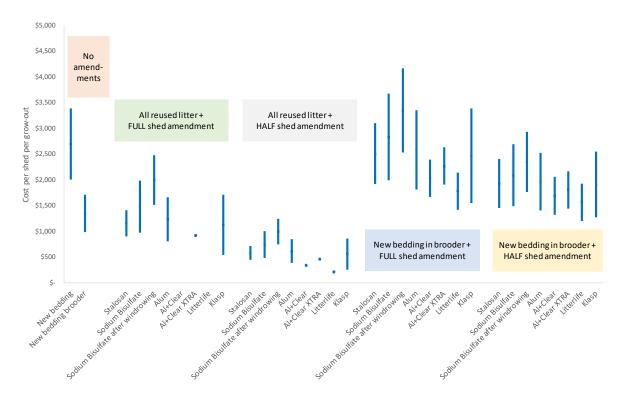


Fig. S2. Cost comparison chart for sawdust

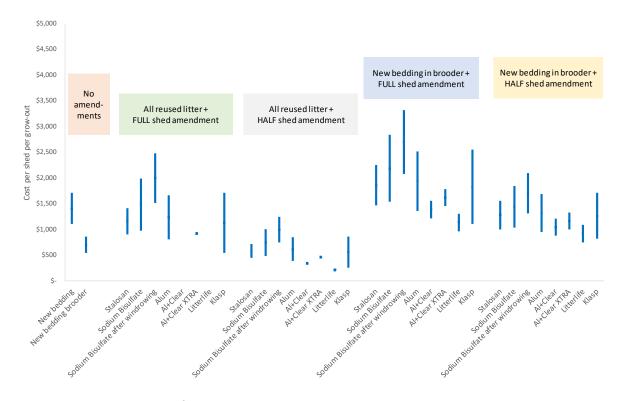


Fig. S3. Cost comparison chart for straw

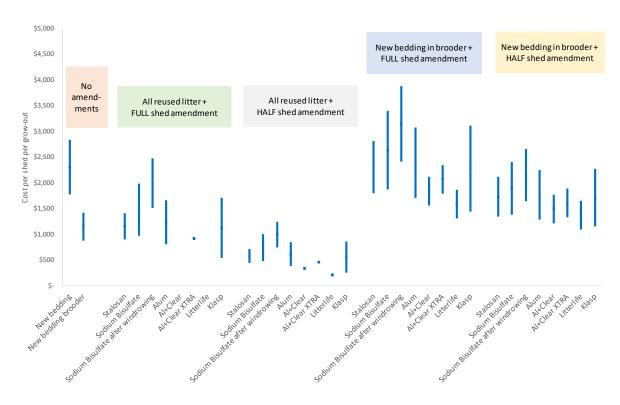


Fig. S4. Cost comparison chart for rice hulls

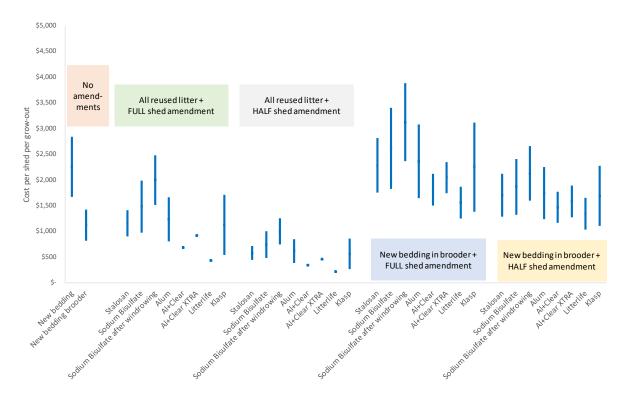


Fig. S5. Cost comparison chart for recycled pallets

Reference

Watson, K, Wiedemann, SG (2019) Review of Fresh Litter Supply, Management and Spent Litter Utilisation. Vol. Project No PRJ-010655 (AgriFutures Australia: Barton, ACT). Available at https://www.agrifutures.com.au/product/review-of-fresh-litter-supply-management-and-spent-litter-utilisation/ [Accessed 6/8/2019].