Improving meat quality and adding value in beef processing

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Brief overview

43.800

- Improving meat quality
- Technical innovations
- Adding value in beef processing
- Opportunities

Vietnam currently has four major meat trading pathways incorporating pre & post rigor processing.

- 1. Traditional hot processed meat traded pre-rigor direct to markets (Tender if cooked pre-rigor- no point of difference by origin)
- 2. Traditional hot processed meat traded to Retail & Food service outlets post-rigor (Muscle contraction takes place and meat becomes Tougher no point of difference to consumers)
- 3. Chilled carcases processed post-rigor traded to Retail & Food Service (Prevents muscle contraction - Improved Tenderness)
- 4. Chilled carcases processed post rigor, tender-stretched, vacuumed & aged (Prevents muscle contraction and optimises Tenderness) has a valued point of difference.









Validation: Eating Quality of Beef Hot Boned - Cold Boned - Imported Grain-Fed Chilled & Aged products



Validating (Australian Origin Cattle) Vissan Beef Brand - Verses - "Value For Money" to Local and Imported Brands									
Striploin	Brand	VND per Kg	Price % Above Local	Price % Above Vissan	Consumer EQ Score	Explanation			
Local Beef	Hot Boned	340,000 <u>đ</u>			31.71	Hot Boned Local Cattle			
Live AUS Origin	Vissan Beef	415,000 <u>đ</u>	22.06%		48.17	Cold Boned Chilled Beef			
Live AUS Origin	Vissan Beef (Vac 7 days aged)	415,000 <u>đ</u>	22.06%		63.63	Chilled and aged 7 days			
Imported A Beef	Aged Vacummed	479,000 <u>đ</u>	40.88%	18.82%	N/A	Not tested			
Imported Grain Fed YG	Aged Vacummed	499,000 <u>đ</u>	46.76%	24.71%	80.1	Imported Aus. GF			













A 'Key Attribute' to Eating Quality: Curfew periods & tTransportation (prior to processing - the effects to pH and pH declines)



The ultimate pH & pH decline are key attributes for the eating quality in the chilling process.

The effects of curfew and transport can be critical to the depletion of energy, (due to lack of feed over time), which creates issues for the pH decline

This decline will continue until the time off feed is reduced.













Tender- stretching







Adding Value

Strategies:

- Communication with end users (Specification & Description Manual developed)
- Introduction of Various Brands (Adding Value)
- Introduction Eating Quality Tiers (Good Better Best - Priced accordingly)
- Creating Value for Money (consumers)
- (*Returning Premiums*) for Australian Origin Cattle - processed in Vietnam

































Blind Taste test panels:



Measuring Eating Quality

Scoroc								
Eating Quality Scores		0/10/2023	0/10/2023	Average				
Topside		Grill	45		45			
Local Striploin		Grill	10	49	34.5			
Knucke Side		Grill	40		40			
Knuckle Centre		Grill	62		62			
Cube Roll		Grill	83		83			
Knuckle Side		Grill/Thin Slice		40	40			
Knuckle Centre		Grill		46	46			
Cube Roll		Grill		95	95			
Shin Shank		Stir Fry		75	75			
Knuckle Side		Stir Fry		80	80			
Knuckle Undercut		Stir Fry		70	70			
Knuckle Try Tip		Stir Fry		50	50			

Opportunities:



Improved product presentation by cooking methods Increased profit by product utilisation - to optimal cooking method





Retail								
Product name	KG	Wholesale pr	ice		Whol	esale \$ co	ost	
Bolar Blade	5.040	VND 200,0	000		VND	1,008,00	00	
VALUE ADDED								
Product Name	Weight (kg) Cook Metho	od Sale P	rice (\$/kg)	R	eturn (\$)		
Blade center	1	.500 Grill	VND	350,000	VND	525,0	00	
Detoildeus	1	.076 Grill	VND	350,000	VND	376,6	00	
Trim (mince)	1	.366 Mince/HotPo	t VND	214,000	VND	292,3	24	
Fat & Sinue	0	.954	VND	150,000	VND	143,1	00	
	0	.000	VND	-	VND	-	-	
	0	.000	VND	-	VND		Averag	e Salable
Total Saleable Meat	4	.896 Total Return			VND	1,337,02	24 P	rice
Waste & Weep	0	144 Gross Profit			VND	329,02	24 VND	265,283
Cost of saleable Meat	Kg VND 205	882 Gross Profit 9	%			24.6	<mark>1%</mark>	
Alternative Method	Cost Price	Average Sale	Waste G	Gross Profit	t Per	Gp %	Eating	Ou
as per tables		Price	114510	Kilo		-	Quality	
Knuckle	VND 230 000	VND 276 329	7 63%	/ND 46	329	16 77%	84	Only sell

Alternative Method	Cost Price		Average Sale Price		Waste	Gross Profit Per Kilo		Gp %	Eating	Outcome
as per tables					Music			00 /0	Quality	outoonic
Knuckle	VND	230,000	VND	276,329	7.63%	VND	46,329	16.77%	84	Only sell for hot pot
Hump	VND	200,000	VND	257,091	13.24%	VND	57,091	22.21%	78	Rearly sell
Shink/Shank	VND	180,000	VND	182,550	25.16%	VND	2,550	1.40%	93	High sales Low profit
Chuck Tender	VND	200,000	VND	268,324	2.34%	VND	68,324	25.46%	35	High Gp Fails as Grill
Navel End Brisket	VND	180,000	VND	226,866	2.28%	VND	46,866	20.66%	30	Fails as Grill
Bolar Blade	VND	200,000	VND	265,283	2.86%	VND	65,283	24.61%	78	Don't Sell at all
Oyster Blade	VND	220,000	VND	283,043	6.71%	VND	63,043	22.27%	95	Suenue on 84









Data collected indicated: Sales increased when POS material, product display & sampling are conducted in store.

Australian Beef Sales commonly increased by 47% to 75% of total beef sales on the days the data was collected.

Summary of Opportunities: Australian live cattle trade, and chilled, frozen beef

Stakeholders can pursue the challenges of an advanced supply chain approach by commercially adding value through:

- Feeding of cattle
- Locally processing Australian origin cattle (as a competitive point of difference for Vietnam consumers in traditional markets)
- Collectively producing and creating products that are consumer driven by demand in retail and food service, (as a valued point of difference)
- Australian origin cattle processed as chilled beef and imported Australian -Chilled & frozen beef by:
 - Collectively evaluating commercial outcomes through utilisation of secondary primals by cooking method
 - Collectively delivering in-store product sampling and POS Material: promoting Australian Origin cattle processed chilled in Vietnam - and Imported Australian Chilled Beef







Thank You

Any Questions?

