Agricultural Business Council of Kansas City





JULY WEBINAR

July 14 | 1:00-2:00 pm

Impact of COVID-19 on the Food Supply Chain





DR. GLYNN T. TONSOR

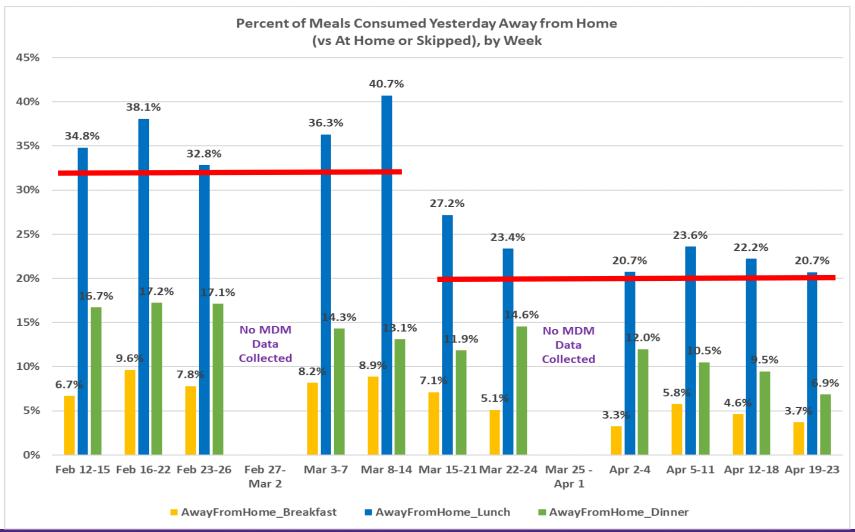
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SHOCK #1: Shift to At-Home: Mid-March thru April

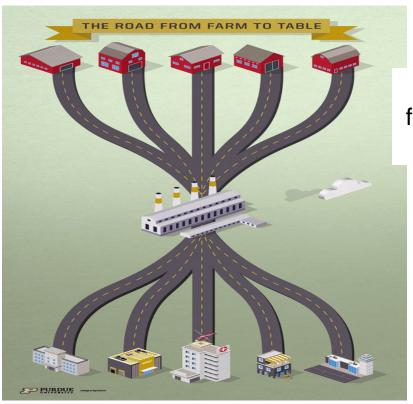






SHOCK #2:

Animal-t0-Meat Bottleneck in April-May Societal Calls: Where's my Meat?



https://www.purdue.edu/newsroom/releases/2020/Q2/questions-and-answers-about-the-road-from-farm-to-table.html

TIME

COVID-19 Meat Shortages Could Last for Months. Here's What to Know Before Your Next Grocery Shopping Trip

https://time.com/5830178/meat-shortages-coronavirus/

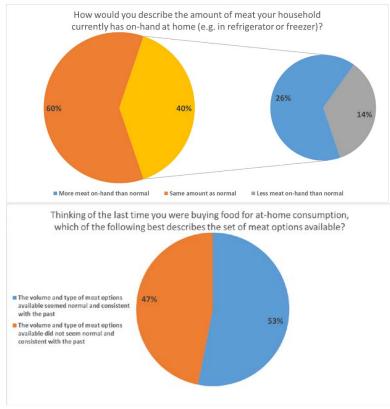


Meat shortages as virus forces plants to close

The effects of the coronavirus pandemic continue to ripple through the food industry. Dean Reynolds reports.

MAY 5, 2020

https://www.cbsnews.com/video/meat-shortages-as-virus-forces-plants-to-close/



https://www.agmanager.info/livestock-meat/meat-demand/monthly-meat-demand-monitor-survey-data/meat-demand-monitor-coronavirus





SHOCK #3? Will Meat Demand Weaken? / TBD!

Table 2.1. Aggregate Meat Demand Elasticities Summary

		Beef Demand				Pork [Demand	Chicken Demand		
Period	Beef Price Used	Own- Price	Pork Cross- Price	Chicken Cross-Price	Exp.	Own- Price	Exp.	Own-Price	Exp.	
1988-2017	All-Fresh	-0.479	0.087	0.023	0.803	-0.307	0.141	-0.339	0.425	
1988-2007	All-Fresh	-0.645	0.145	0.026	0.790	-0.229	-0.262	-0.345	0.371	
2008-2017	All-Fresh	-0.450	-0.032	0.083	0.959	-0.089	1.231	-0.378	0.856	
1970-2017	Choice	-0.593	0.120	0.041	0.118	-0.973	-0.170	-0.133	0.218	
1988-2017	Choice	-0.490	0.085	0.021	0.781	-0.313	0.146	-0.345	0.430	
1970-1994	Choice	-0.594	0.138	0.039	0.118	-0.924	-0.004	-0.159	0.003	
1995-2017	Choice	-0.468	0.049	-0.044	0.867	-0.287	0.634	-0.469	0.960	

Assessing Beef Demand Determinants

Prepared for the Cattlemen's Beef Board

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January 18, 2018

https://www.agmanager. info/livestockmeat/meatdemand/past-meatdemand-researchstudies

Note: "Exp." is Expenditure abbreviated. All Rotterdam models were estimated using iterative three-stage least squares.



	RETAIL.			Ground Beef	Pork Chop	Bacon	Chicken Breast	Plant-Based Patty	Shrimp	Beans and Rice	Something Else
>	Finances will be Worse in 1 Year	WTP (\$/lb)	\$ 15.64	\$ 6.80	\$ 5.31	\$ 4.36	\$ 6.57	\$ 8.63	\$ 8.56	\$ 1.90	
		Market Share	6.4%	24.0%	11.6%	6.9%	26.4%	3.1%	4.3%	7.0%	10.4%
	Finances will NOT be Worse in 1 Year	WTP (\$/lb)	\$ 16.65	\$ 7.96	\$ 6.60	\$ 5.25	\$ 7.85	\$ 8.12	\$ 9.10	\$ 2.75	
		Market Share	7.3%	23.3%	13.2%	7.5%	26.2%	2_5%	4_5%	7.5%	8.1%
	FOOD SERVICE	Ribeye	Beef	Pork	Baby	Chicken	Plant-Based	Shrimp	Salmon	Something	
	TOOD SERVICE		Steak	Hamburger	Chop	Back Ribs	Breast	Patty	or in inp	Sairfiuri	Else
•	Finances will be Worse in 1 Year	WTP (\$/lb)	\$ 20.92	\$ 15.20	\$12.45	\$ 14.37	\$ 13.86	\$ 7.29	\$ 14.39	\$16.53	
		Market Share	10.2%	24.1%	4.1%	9.0%	14.2%	2.0%	14.3%	10.5%	11.6%
	Finances will NOT be Worse in 1 Year	WTP (\$/lb)	\$ 25.94	\$ 18.48	\$13.97	\$ 18.00	\$ 17.07	\$ 12.80	\$ 17.34	\$17.38	
		Market Share	15.3%	21.9%	4.2%	11.0%	14.4%	4.8%	13.8%	7.6%	7.1%



https://www.agmanager.info/livestock-meat/meatdemand/monthly-meat-demand-monitor-survey-data/meatdemand-monitor-coronavirus



Market Implications SHOCK #1: Shift to At-Home: Mid-March thru April

- "Not all meat is equal"
 - •Weeks of beef round>loin & ham=bacon wholesale price anomalies
 - Market-channel prevalence variation = diverse product level pricing

- ➤ Growing discussion around benefit-costs of retail, food service, and export channels being firmly distinct
 - ✓ GT #1: Need to balance added flexibility with efficiency drivers





Market Implications SHOCK #2: Animal-t0-Meat Bottleneck

- Surplus of animals & "shortage" of meat
 - Elevated SOCIETAL interest
- Bottleneck = lower livestock prices & higher meat prices
 THIS IS WHAT ECONOMISTS EXPECT
- > Multiple, growing pushes on myriad of policies
 - ✓ GT #1: Need to CAREFULLY balance <u>possible</u> gains in system robustness with peace-time efficiency
 - ✓ GT #2: Assessment needed and any action based on data/info, not emotion





Market Implications SHOCK #3: Will Meat Demand Weaken?

•Has supply-side price support "hidden" weakening demand?

- ➤ Weaker demand = less \$ for industry and ultimately smaller livestock and meat production
 - **✓** GT #1: Ongoing mis-understanding of demand is problematic
 - ✓ GT #2: Recognition of US comparative advantages, growing role of exports, and "fit" with policy and industry strategy must improve
 - *Homework Assignment: Google "Smoot-Hawley Tariff Act of 1930"







More information available at:



This presentation will be available in PDF format at:

http://www.agmanager.info/about/contributors/individual/tonsor.asp

Host of COVID-19 industry resources are cross-linked as well



