

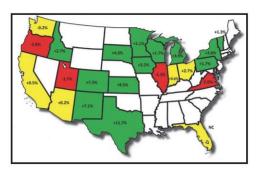
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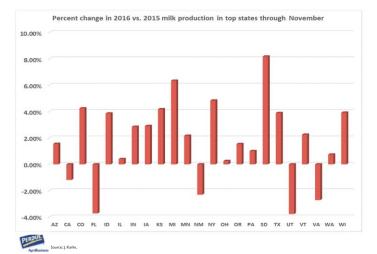
Things to understand (or not)

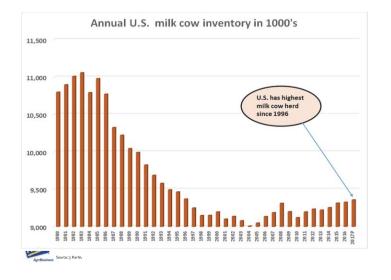
Domestic Markets

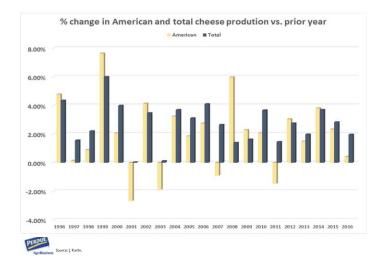
Yr to yr % change in U.S. milk production adjusted for leap years (2016 is Jan-Nov vs. Jan-Nov 2015, 2017 is USDA projection) 4.00% 3.50% 3.00% 2.50% 2.00% 1.50% 1.00% 0.50% 0.00% -0.50% -1.00% -1.50% 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 Aprilua Source:: J. Karlin

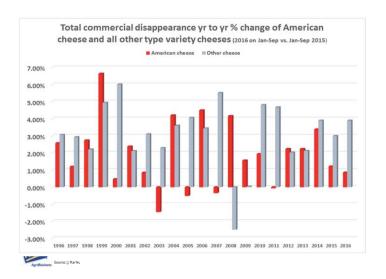


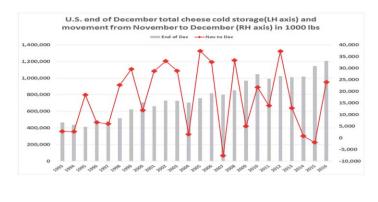




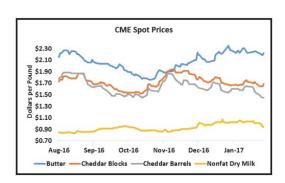


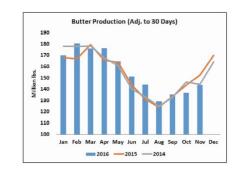








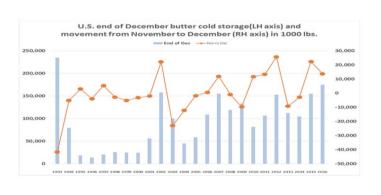




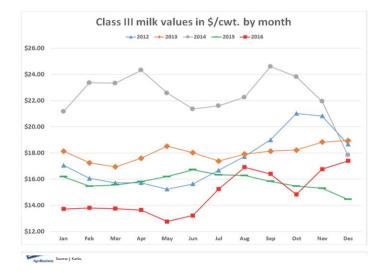


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Source: Milk Producers Council





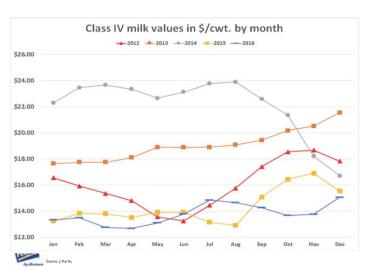


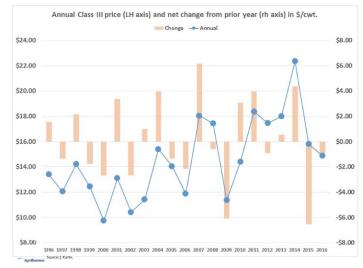
	Average 2016 value	Average 2015 value	Five yr average
Class III, \$/cwt.	\$14.87	\$15.80	\$17.69
Class IV, \$/cwt.	\$13.77	\$14.35	\$17.05
Block cheese, \$/lb.	\$1.5812	\$1.6109	\$1.7525
Butter, \$/lb.	\$2.0824	\$2.0815	\$1.8978
Non fat dry milk, \$/lb.	\$0.8348	\$0.8908	\$1.3058
Dry whey, \$/lb.	\$0.2831	\$0.3602	\$0.4801

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Apriluniven	Source: J. Karlin,

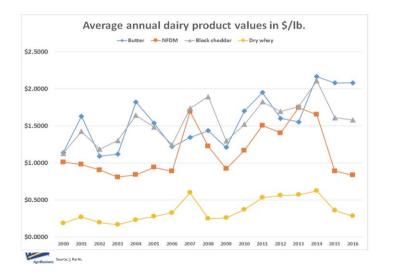
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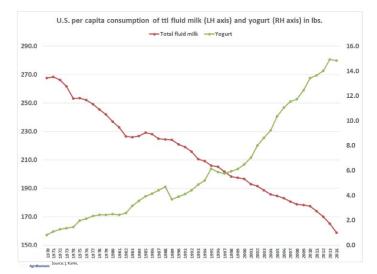
Karli

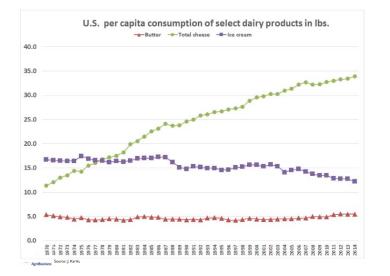




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Things to understand (or not)

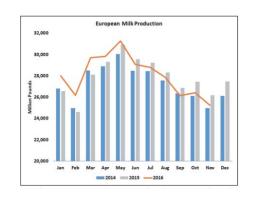
- Domestic Markets
 - When you got burned you are weary of anything looking hot!

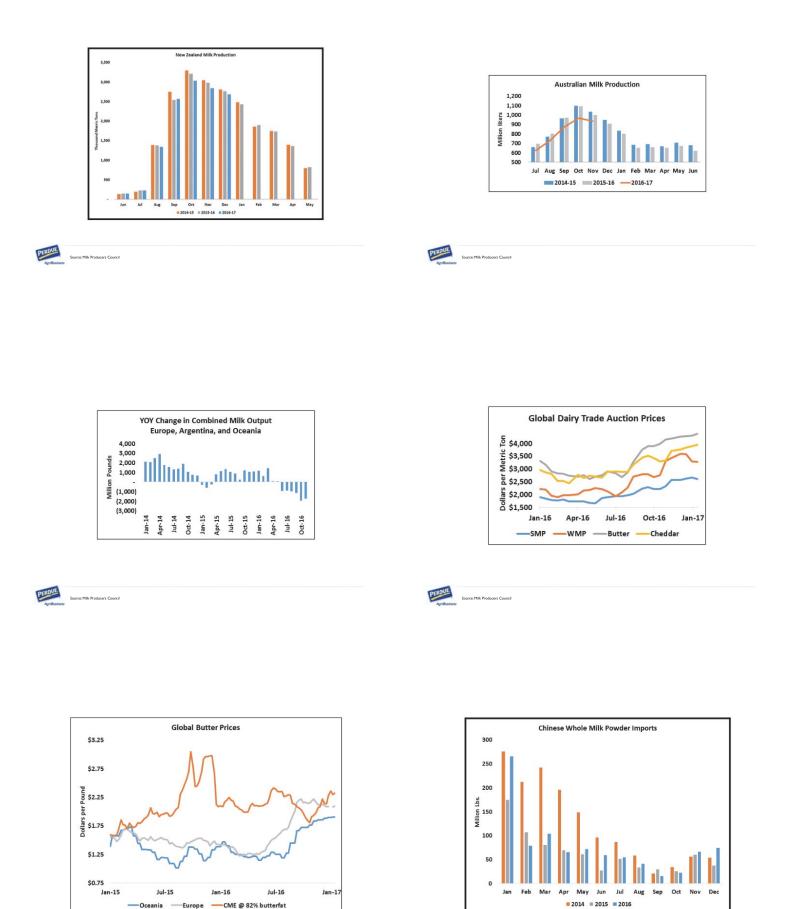


Source: Milk Producers Council

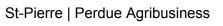
Things to understand (or not)

- Domestic Markets
- World Markets





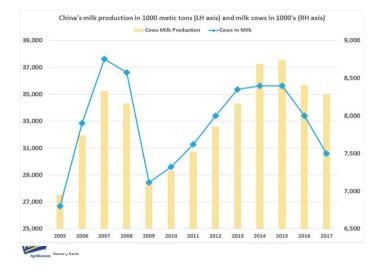
Source: Milk Producers Council



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Source: Milk Producers Council

Europe



Things to understand (or not)

Domestic Markets

- World Markets
 - European production is down and not likely to recover soon
 - Oceania production is contracting
 - Moderately in NZ
 - Severely in Australia
 - WMP prices at Global Dairy Trade generally up
 - > US NDM competitive with world price for Skim Milk Powder

Things to understand (or not)

- Domestic Markets
- World Markets
- US Exports
- US Outlook

\$17/cwt is the new \$12/cwt

- > National break-even price is at ~ 17/cwt Class III,
- or \$18.50 \$19.00 /cwt mailbox price
- ... You have to be able to make money at these prices!





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... which is why we **cannot** forecast milk prices!



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