WHAT’S DRIVING AGRICULTURE IN THE YEAR AHEAD?

MIKE PEARSON
PRAIRIE OAT GROWERS ASSOCIATION
BANFF
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UNCERTAINTY

Canada/U.S. net cash farm income

Source: USDA/StatsCan/AAFC

U.S.  Canada
A Look Back

How does our current environment compare historically?
North American Oats Production

Source: USDA

- 5-Year Avg: 3.34 million tonnes
- 5-Year Avg: 968,000 tonnes
MARCH 2018 OATS

Oats Mar '18 (ZOIH18) - Barchart.com
FEBRUARY 2018 LIVE CATTLE
JANUARY 2018 FEEDER CATTLE
OCTOBER 2017 LEAN HOGS
WHAT DID THE BEEF MARKET OF 2014 TEACH US?

May, 2015
Ratio all-time high = 313
Current = 294

June, 2015
Ratio all-time high = 165
Current = 149
WHICH BRINGS US TO TODAY

Beef, pork, and poultry production rapidly expands in developing countries

Million metric tons

1990 92 94 96 98 2000 02 04 06 08 10 12 14 16 18 20 22 24

Developing countries

Developed countries

Note: Dashed lines represent projection period.
PROTEIN DEMAND WORLDWIDE

Demand in the developing world is rising steeply

Meat consumption per capita, kilograms, average 2010–12 (estimate), and 2022 (forecast), in the BRICS countries (Brazil, Russia, India, China and South Africa)
Growth in per capita meat consumption throughout Asia ranges from 8% to 42%.Branded meat products will begin to attract increasing interest in Asia’s emerging markets.
At the crossroads today…
Analysis:

- Descriptive
- Predictive
- Prescriptive

Exponential Growth of Computing

The exponential growth of computing is a marvelous quantitative example of the exponentially growing returns from an evolutionary process. We can express the exponential growth of computing in terms of its accelerating pace: it took 90 years to achieve the first MIPS per 1000 dollars; now we add 1.2 MIPS per 1000 dollars every hour.

Source: Ray Kurzweil and KurzweilAI.net
WHAT COMES AFTER PRESCRIPTIVE DATA?
THE FUTURE: CHALLENGES
ADDITIONAL QUESTIONS?

EMAIL ME: MIKE@AGNEWSDAILY.COM

FIND ME ON TWITTER:
@PEARSONCATTLE

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@AGNEWSDAILY