

2019 KRC Food and Farm

Our Mission

Growing Nutrient Dense Food Without Hindering The
Next Generations Ability To do So.

Soil health as it relates to human health



Our farm is designed to promote life!



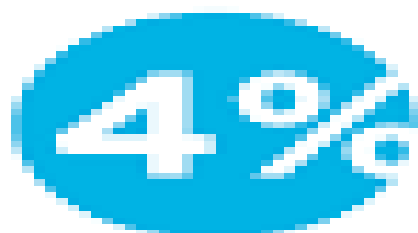
Ag Crisis

- Cancer - \$87.4 billion cancer.org
- Obesity - \$200 billion obesity.org
- Alzheimer's/Dementia - \$259 billion [Alzheimer's assn.](http://Alzheimer's.assn.)
- Autoimmune \$100 billion (est) AARDA
- Diabetes - \$322 billion diabetes.org
- Autism - \$236 billion

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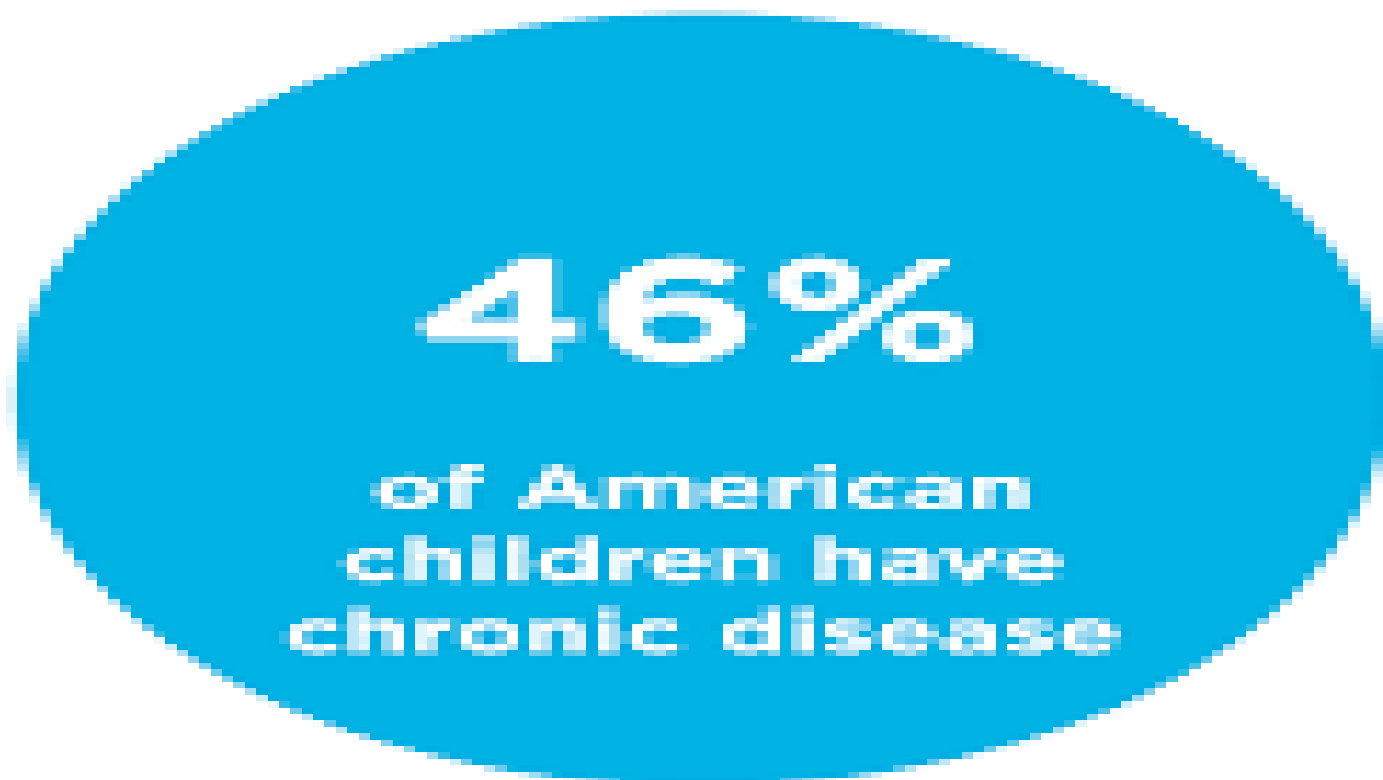
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- \$500 Billion by 2040 cdc
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1960s



**of American
children have
chronic disease**

2018



**of American
children have
chronic disease**

**autism | depression | anxiety | ADHD | food allergies & sensitivities
environmental allergies | metabolic disorders | abnormal reproductive
development | diabetes | autoimmune disorders | cancer**

Chronic disease is on the rise

Six in ten adults in the US have a chronic disease and **four in ten adults** have two or more.



HEART
DISEASE



CANCER



CHRONIC LUNG
DISEASE



STROKE



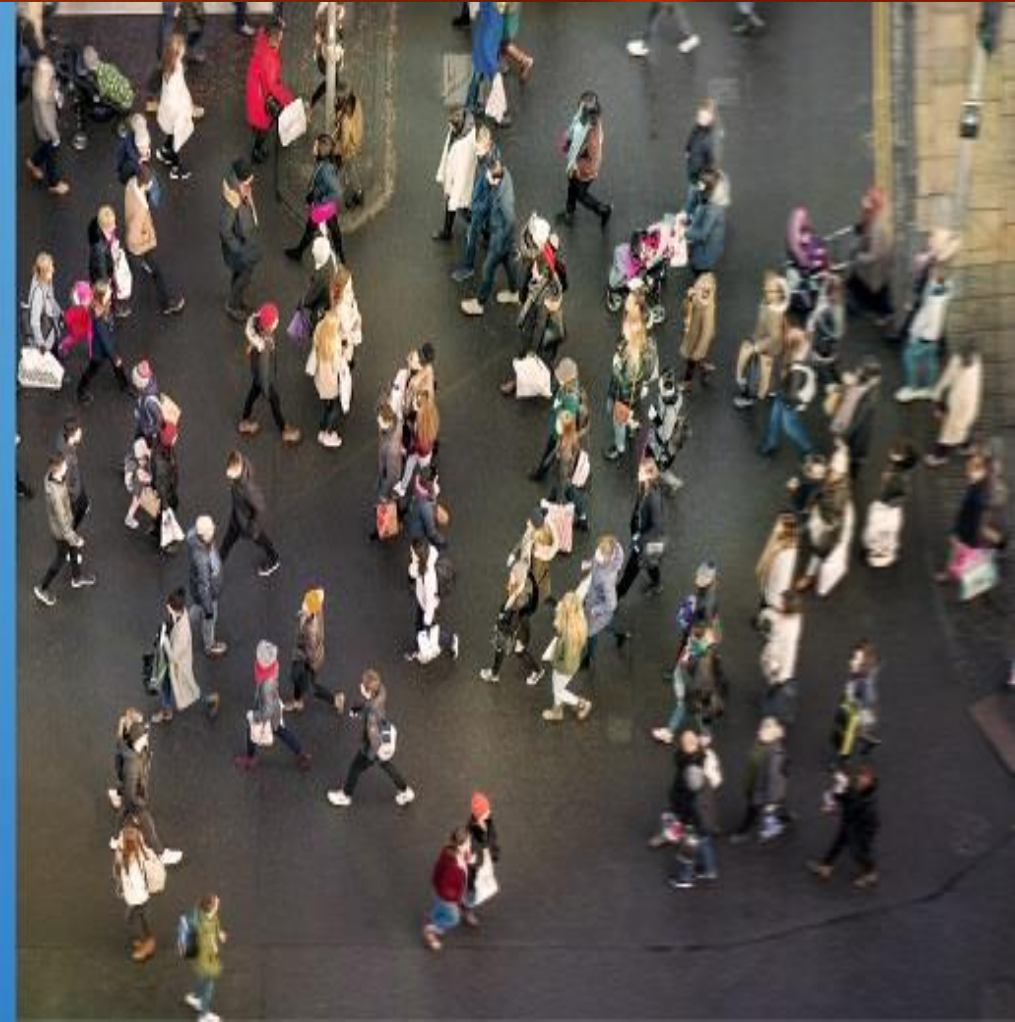
ALZHEIMER'S
DISEASE



DIABETES



CHRONIC
KIDNEY DISEASE



Total US health care cost - \$350 Trillion annually.
90% for chronic disease cdc

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HEART DISEASE



CANCER



CHRONIC LUNG DISEASE



STROKE



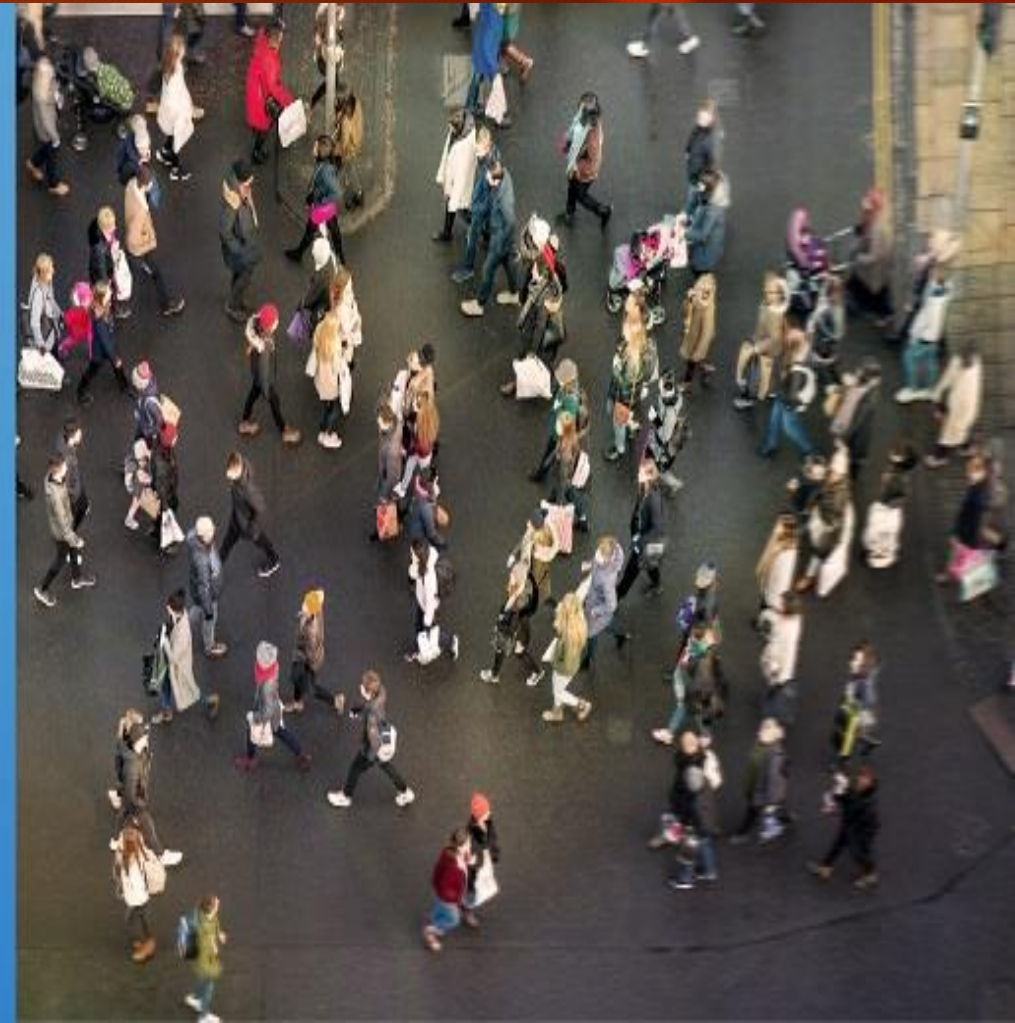
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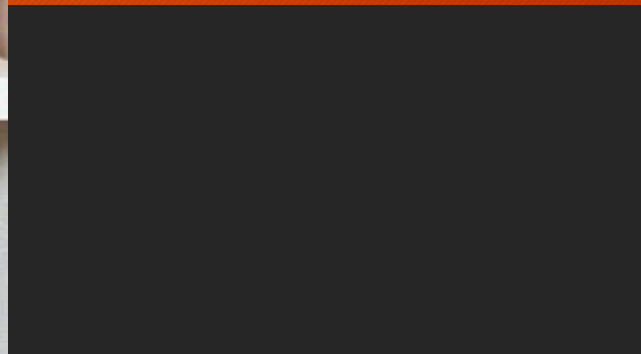
CHRONIC KIDNEY DISEASE



Nutrient Density dropping across the board





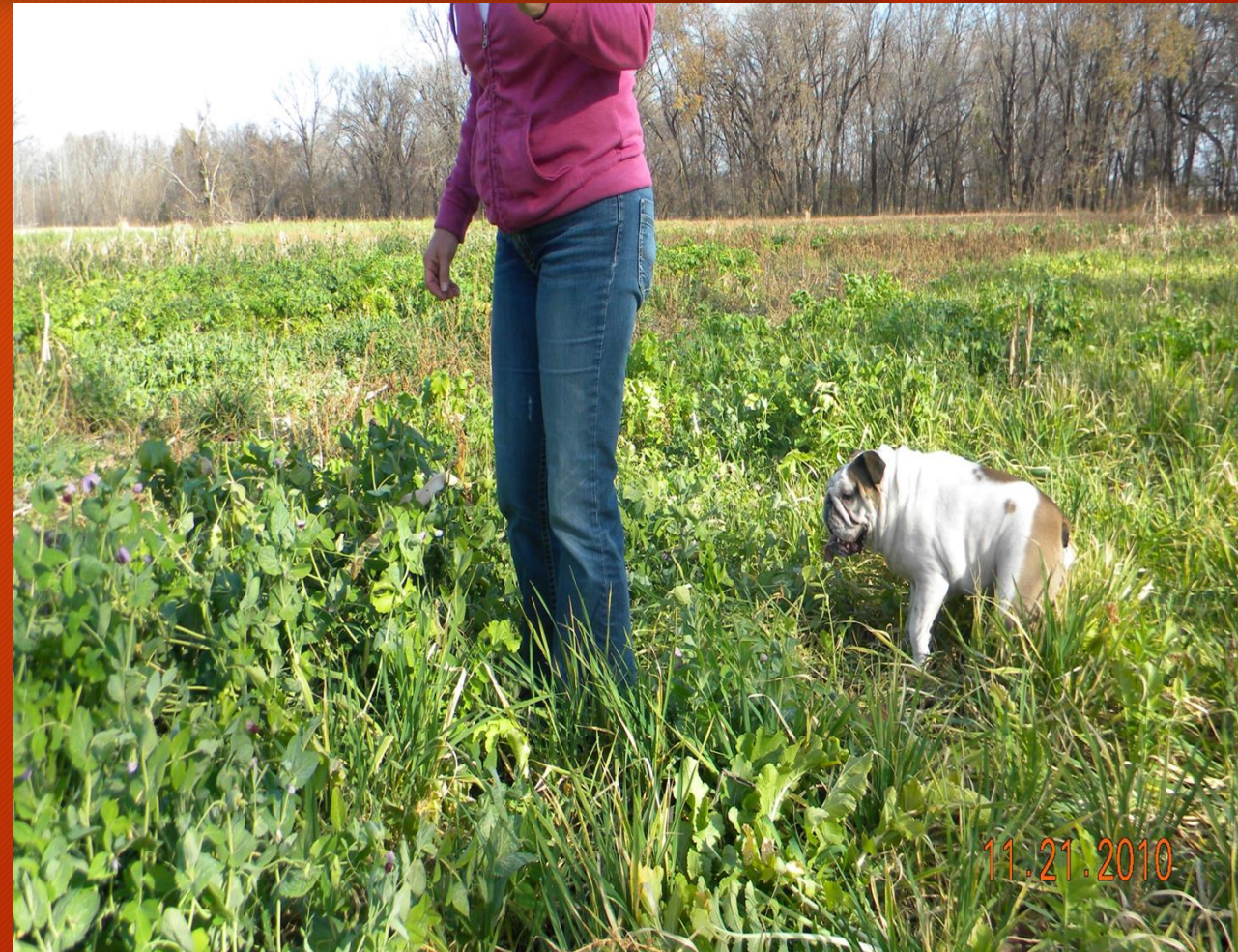




Feed the soil

11.21.2010

Feed the soil



Healthy Soil Grows Nutrient Dense Food



Soil microbes help regulate our emotions and immune response. And they also play a key role in determining the nutrient content of our food. Daphne Miller

We need systems designed to live





Our Weed Control Program



Cows won't eat weeds.....



Weeds Will Create An Environment That Will Cause Their
Elimination

Biodiversity- the way nature intended



- Each species adds something different to the soil.

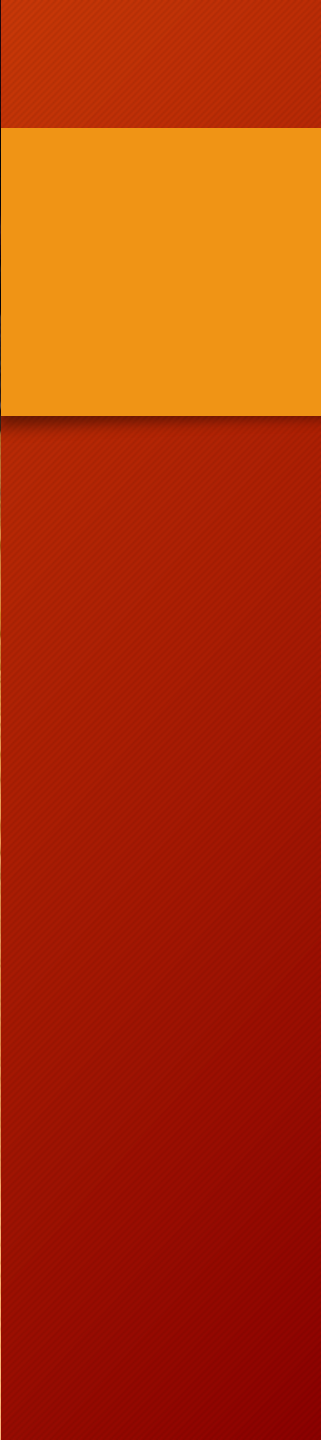


- Animals raised in nature aren't reliant on antibiotics and vaccines













Healthy Soil=Nutrient Dense Food



≡ **KNOW YOUR** ≡

FARMER

KNOW YOUR

FOOD

.....
I N T R O D U C T I O N
.....

Thank You!!

- What will you leave to the next generation?



IF I RAN *The* **ZOO**



By
Everybody
on the
Internet

Soil health-Community health



© Eye Of Science/SPL/Solent



© Eye Of Science/SPL/Solent

Growing Healthy Communities

REJUVENATING SOIL. GROWING HEALTHY, NUTRIENT-DENSE FOOD. MANAGING WATER EFFECTIVELY. ATTRACTING ABUNDANT WILDLIFE. BUILDING RESILIENCE FOR FUTURE GENERATIONS.

#1 threat to society

Desertification

- Increasing droughts and floods

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- Poverty & social breakdown

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Kansas

- Soybean #1 crop - eastern
- Wheat #1 crop - western

Kansas

- Soybean #1 crop 37/bpa
- Wheat #1 crop - 48/bpa

Kansas

- Wheat #1 crop - 48/bpa
- 3.5# soil/pound wheat

Kansas

- Soybean #1 crop
- 4.5# soil / pound of soybean

Soil: Our #1 Export

Soil: Our #1 Export

- \$44 billion/annually

Not just soil eroding away.....

- I have seen, and here, the garden-land is now the wasteland, and all its cities are pulled down.... Jeremiah 4:26



Not just soil eroding away.....

- Regenerative agriculture, not just about regenerating soil.



Rural Kansas is dying

- Population in rural Kansas peaked 50+ years ago.
- Only growth is around cities and packing plants
- Losing 25-29 year old's faster than any other state.





Not just soil eroding away.....

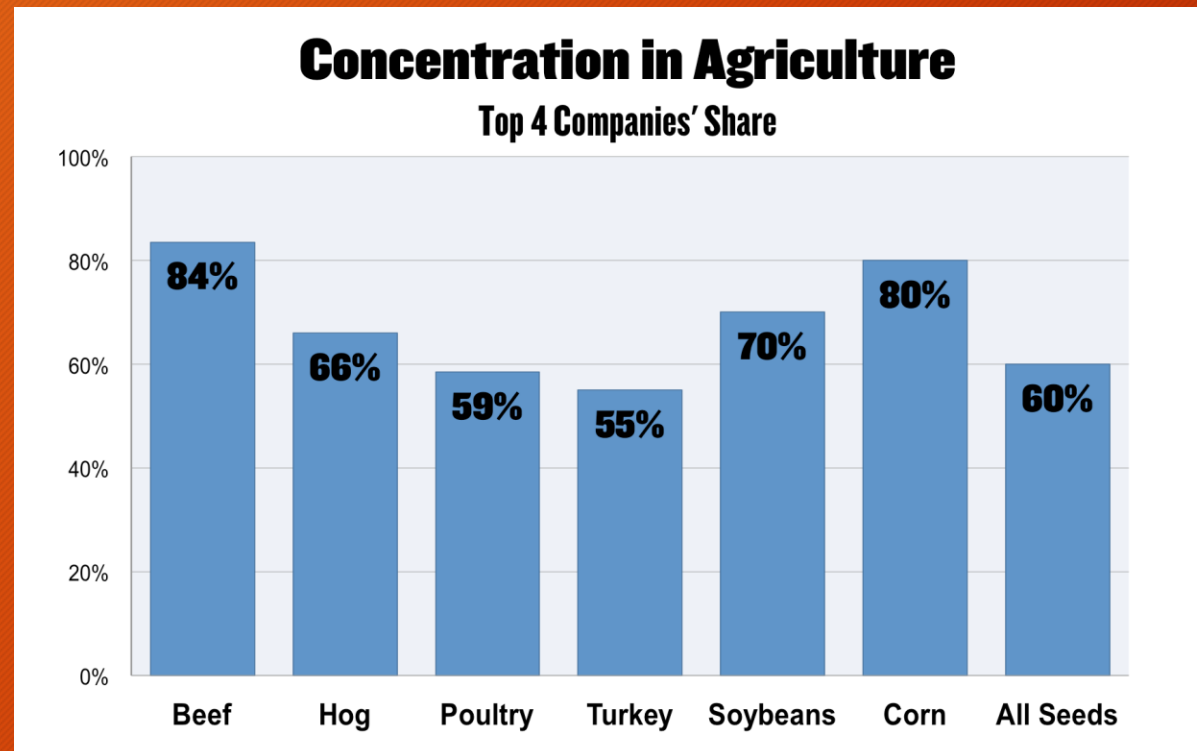
Nearly half of the 177 mammal species surveyed lost more than 80% of their distribution between 1900 and 2015 The Guardian



Programs, programs.....and more programs

- “We Can not solve our problems with the same thinking that created them.”
- “Insanity: Doing the same thing over and over, and expecting different results”
- Albert Einstein

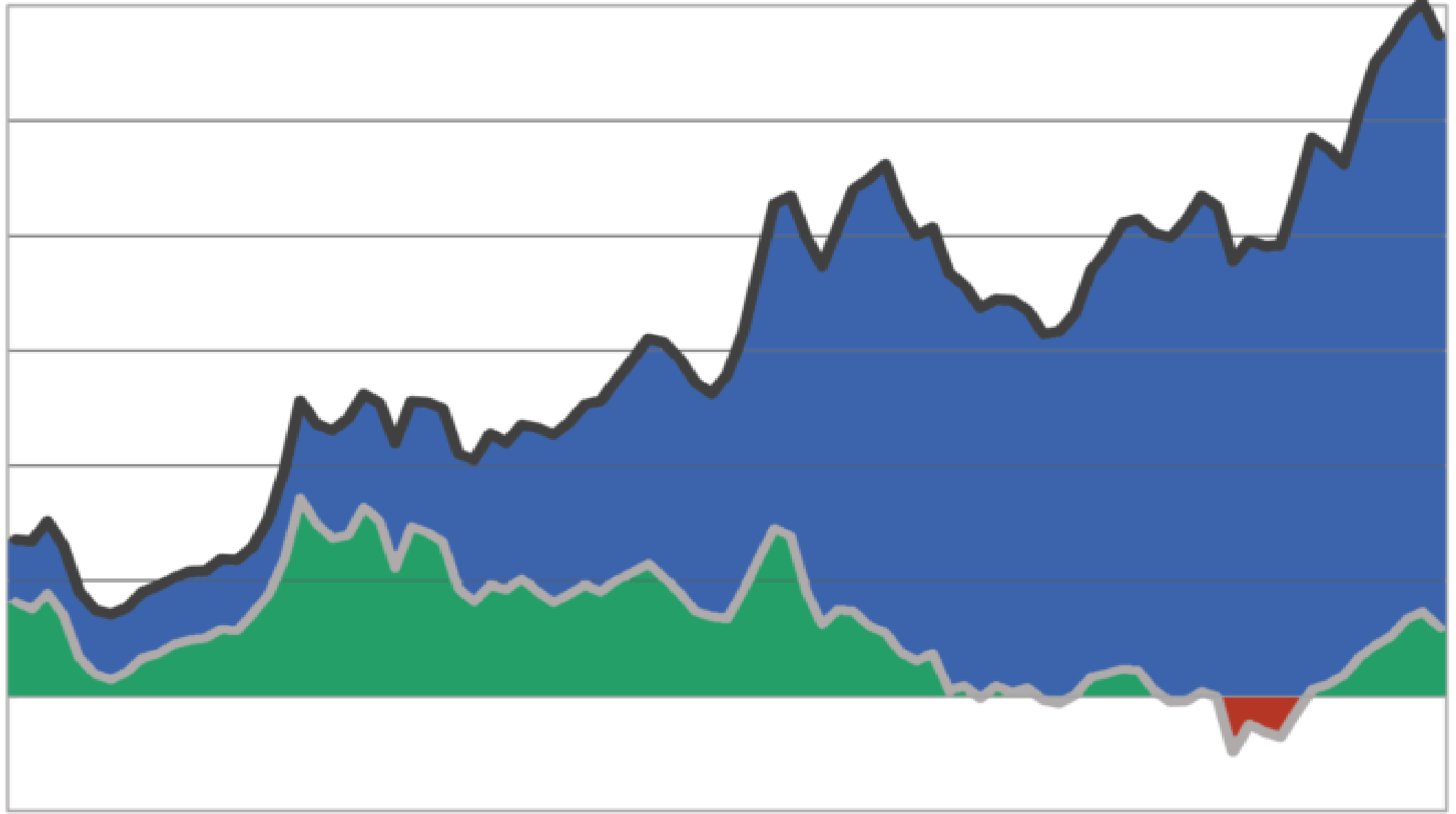
Most sectors of the U.S. economy have concentration ratios around 40%, meaning that the top four firms in the industry control 40% of the market. If the concentration ratio is above 40%, economists believe competition is threatened and market abuses are more likely to occur: farm aid



Billions of dollars (adjusted for inflation)

\$60
\$50
\$40
\$30
\$20
\$10
\$0
-\$10

1926 1936 1946 1956 1966 1976 1986 1996 2006 2016



Cash receipts to SD
Price of 1 gallon of milk

2.9 cents
\$28,110,000
49 cents

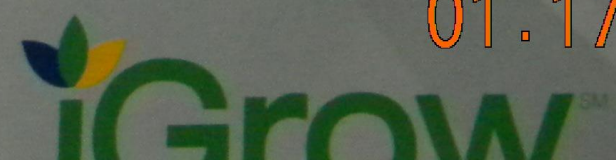
18 cents
1 cent
\$259,854,000
\$3.50

SOUTH DAKOTA DAIRY

In 1960 a 50 cow dairy herd produced 290,000 lbs. of milk providing the farmer with an \$8,410 profit.
\$3300 more then the average American family was earning at that time.

In 2010 a 50 cow dairy herd produced 1,023,900 lbs. of milk providing the farmer with an \$10,239 profit.
\$40,000 less then the average American family was earning at that time.

Since 1960 the South Dakota dairy industry has seen a 40% reduction in dairy cattle resulting in less cattle greenhouse gases, while producing 350% more milk and \$239,000,000 more in cash receipts for the state.



01.17.2012



Suicide rates among farmers 1.5 times national average. cdc



VOTE!!

The \$5 difference....

- If every Kansas resident purchased \$5 of goods from a Kansas farmer every week, those farms would generate an additional \$750 million/year.

**People will pay \$5
for one drink at
Starbucks, but say
\$5 for a dozen
organic eggs
is too much.**

www.ruralspin.com

WHAT YOU DO MAKES
A DIFFERENCE,
AND YOU HAVE TO DECIDE
WHAT KIND OF DIFFERENCE
YOU WANT TO MAKE.

- JANE GOODALL





You never change things by fighting
the existing reality. To change
something, build a new model that
makes the existing model obsolete.

— *R. Buckminster Fuller* —

AZ QUOTES

Change Is Constant





Don't fear failure.
Fear being in the exact
same place next year
as you are today.

THINKGROWPROSPER

Ag at crossroads



Properly functioning water cycle will.....

- Eliminate/Reduce Food Desserts
- Restore Ecosystem Function
- Stabilize Governments
 - Local
 - State
 - Federal
 - Global
- Stabilize Climate

Human
Integrity=
ecological
integrity

Understand
Context:
Psychological
Social, Cultural,
Ecological and
Spiritual

Adaptive
Management
Using
Holistic
Planning

“When it is understood that one loses joy and happiness in the attempt to possess them, the essence of natural farming will be realized. The ultimate goal of farming is not the growing of crops, but the cultivation and perfection of human beings.”

— Masanobu Fukuoka

