Master Agriculturalist

Overview :

Meet the team

Explore the farm

Meet the cows

Understanding nutrients/crops for excellence
(How we produce our crops to get high herd average)

Procedures

Successes

World relationships

Dreams come true at Ever-Green-View.
Our Registered Holsteins are high producing and high scoring. We are proud to say we have bred and owned a number of state, national and international production leaders that exemplify our breeding program.

My wife and I started farming in 1973 and bought our current farm in 1975.

Today – my son Chris and his wife Jennifer are partners and are currently raising our grandsons who hope to continue farming when they become of age.

The Family

Tom and Gin, Chris and Jen Kestell

Add a picture of will and his cafe

Cole with his cafe

The Grandchildren

Ethan, William and Cole

Father and Son

Tom and Chris Kestell

All labor is cross-trained from milking; cow feeding; calf feeding and related chores.

Certain employees take the lead in milking responsibilities and other employees take the lead in calf care.

Our Staff

Achieving High Yield

Team work on everyone's behalf is necessary in achieving a high producing herd. From the moment a calf is born to the time she leaves the farm attention to individual's needs on a daily basis must be a priority of everyone on the farm.

~Tom Kestell

We have 11 greenhouse barns

Tie Stall Barn with water beds for everyone… cows, dry cows and ALL heifers.

All calves raised greenhouse barns. Young heifers housed in bedding pack & naturally ventilated barns.

We milk 85-90 head and crop roughly 600 acres

Ever-Green-View My Gold EX-93 EX-95 MS

4-03 3x 365 77480 2.6% 1992 2.7 2055

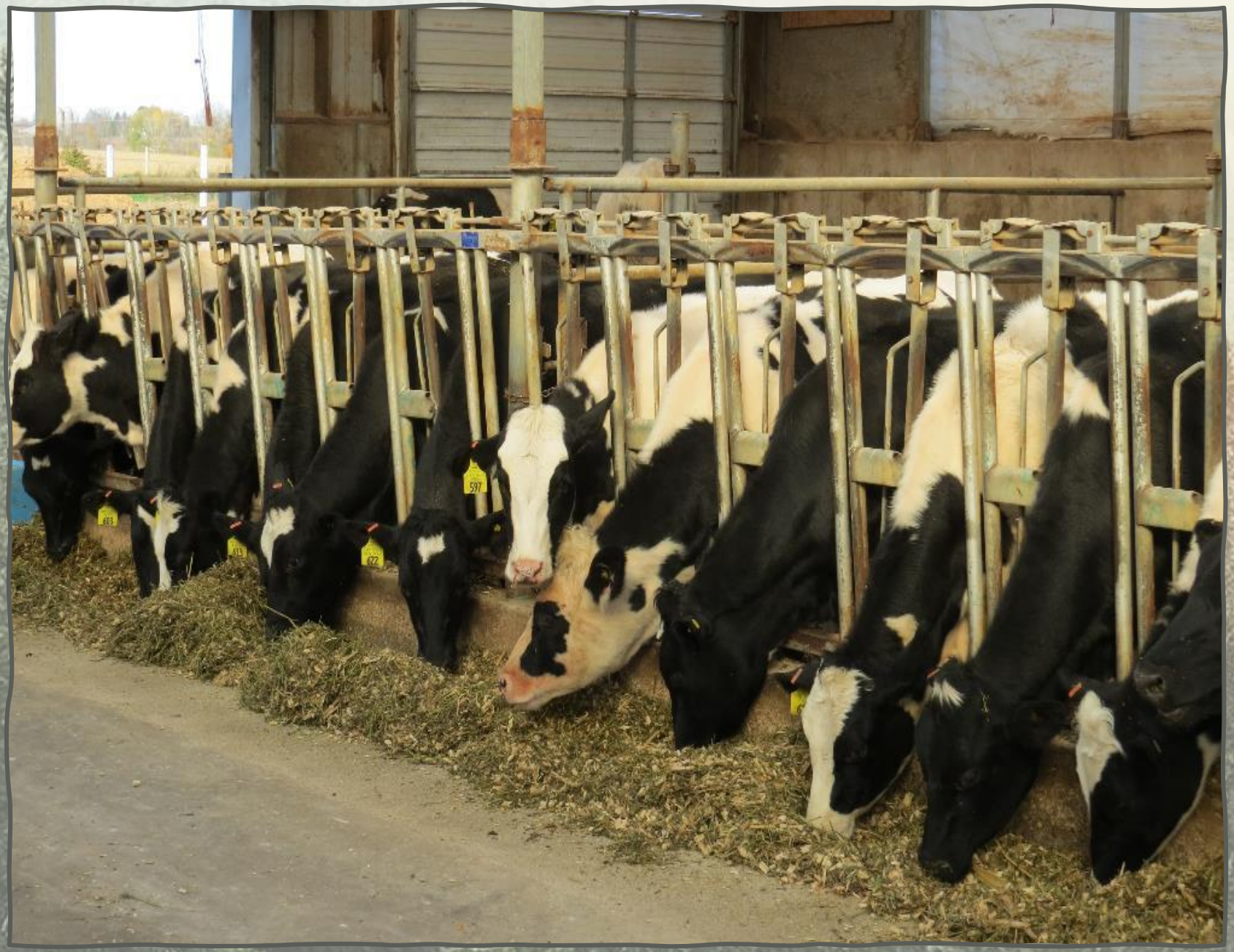
My Gold is the 2nd generation of back to back 3X world production leaders!!

Ever-Green-View My 1326-ET EX-92 EX-MS

4-05 365d 3x 72,168 3.9 2787 3.2 2286

Dam: Ever-Green-View Elsie (2E-92 GMD-DOM)

Meet our herd



Our crop process

Forage Quality is Critical

Hybrid alfalfa has been used since it was developed by DLS.

This field won the World Super Bowl Contest 2x's at World Dairy Expo.

Forage Strategies at Ever-Green-View

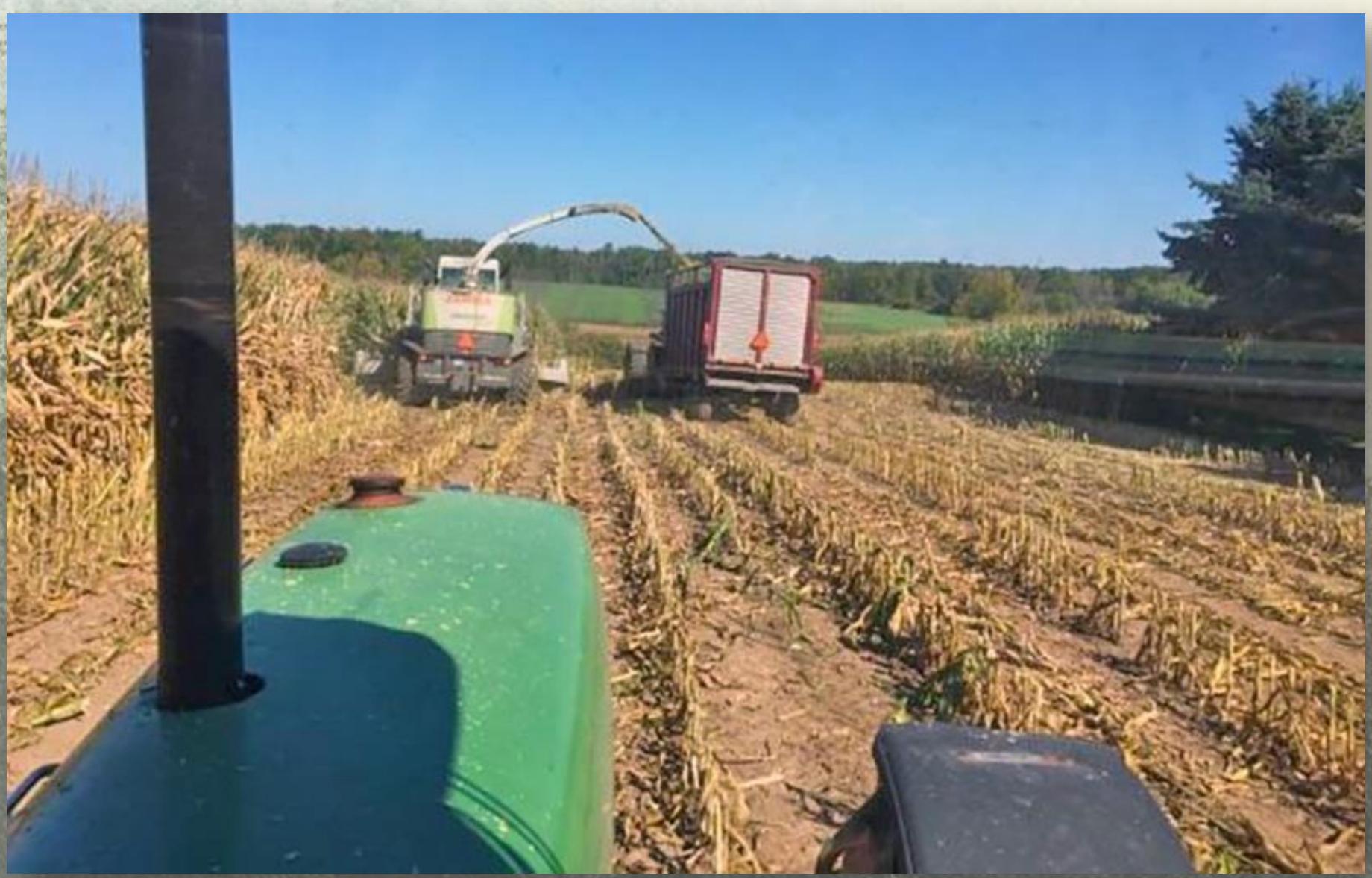
- Consistent, palatable forages
- Have 6 silos for forage & baleage so forage allocation very flexible.
- Very rarely have haylage RFV over 200.
- Does not want to feed straw to dilute out very low fiber forage due to toxin concerns.
- Avoiding rained on forage…ALWAYS!!
- Consider low lignin alfalfa in future?

Alfalfa Haylage

	% DM basis
Dry matter	48.3
Crude protein	21.7
ADF	29.3
aNDFom	34.2
Sugar	4.2
RFQ	187
uNDFom	16.8
	% NDF
NDFD—30	51.0
NDFD—240	58.9

BMR Corn Silage

	% DM basis
Dry matter	38.8
Crude protein	7.1
ADF	19.3
aNDFom	30.9
Starch	44.2
TDN—1x	74.4
uNDFom	8.9
	% NDF
NDFD—30	63.8
NDFD—240	70.9



Corn Stubble

	% DM basis
Dry matter	18.96
Adjusted CP	3.17
ADF	44.61
aNDF	67.05
Starch	3.11
TDN-1x	56.61
NFC	22.18
Calcium	0.27
Phosphorus	0.09
Potassium	1.40

Forage Strategies for Heifers

- A combination of stored shredded corn stalks (from previous year) mixed with 1st or 2nd crop freshly cut alfalfa makes excellent heifer forage.
- This mixture provides plenty of fiber and yet enough protein.
- Once these 2 forages are chopped together, there is 0 (ZERO) waste and very little sorting.

Great Crops = Great Nutrients

Feeding for a 44,000 RHA

- Ration based on consistently good forage
  - Alfalfa haylage: 2 year average 21-25% CP, 34-39% NDF, 150-200 RVV
  - Corn silage: Has fed BMR corn silage for 10+ years
  - High Moisture Corn: Harvested at 27% moisture
    - HM corn stored in Harvestore silo.
  - For 2016 and 2017 went to high chop BMR corn silage
    - 2 year average 31-35% NDF, 40-41% starch, 64-70 % NDFD 30 hour
    - This years BMR has 44% starch.

Feeding the cows for optimum production

- With forages we have, ration runs 60-70% forage.
- Before high chop BMR corn silage fed, dry matter intake 60-64 lb (27.2-29 kg)
- Last two years with high chop BMR corn silage dry matter intake 66-67 lb (29.9-30.4 kg)
- Milk production has remained at just better than 2 lb of milk per lb of dry matter.
- Only 8-10 lbs (3.6-4.5 kg) DM of HM corn fed/head/day

Building ration for Ever-Green-View

- Really not any different than other clients
  - Typically ration is
    - 16% protein
    - 27-29% NDF
    - 5% fat
  - Ration based on HM corn, haylage, corn silage
  - Corn silage usually about 55-60% of forage DM

Ever-Green TMR Feed Ingredients

Feed	D.M. (lb)	As-Fed (lb)	D.M. (%)	D.M. (kg)	As-Fed (kg)	$/Cow/Day	$/Ton
Haylage	17.0	38.7	44.0	7.7	17.6	1.26	65
Non BMR CS	10.8	28.5	38.0	4.9	12.9	0.54	38
BMR Corn Silage	10.8	27.9	38.8	4.9	12.7	0.53	38
H.M. Corn	10.9	15.5	72.5	4.9	7.0	0.75	100
Protein Mix	9.7	10.6	91.7	4.4	4.8	2.75	519
Baleage	2.0	4.0	50.0	0.9	1.8	0.25	125
Sugar	1.9	3.0	62.0	0.9	1.4	0.32	214
Roasted Soybeans	2.85	3.0	95.0	1.3	1.4	0.73	486
Totals	66.0	130.7	50.5	29.9	59.3	$7.13	

TMR Nutrient Profile

Nutrient	Units	Level
Dry Matter	% of total	50.5
Crude protein	% DM	16.08
RUP	% of CP	33.9
ADF	% DM	19.5
NDF	% DM	26.8
Forage	% DM	63.7
Forage NDF	% DM	22.3
Starch	% DM	28.5
Sugar	% DM	3.6
Fat/oil	% DM	5.1

Nutrient	Units	Level
Calcium	% DM	0.90 (270 grams)
Phosphorous	% DM	0.36 (109 grams)
Potassium	% DM	1.56 (466 grams)
Magnesium	% DM	0.30 (90 grams)
Sulfur	% DM	0.30 (90 grams)
Sodium	% DM	0.34 (101 grams)
Selenium	ppm	0.33 (9.8 mg)
Vitamin E	IU / lb	8.0 (500 IU)

Protein Mix

Feed Ingredient	Percent of Mix
Canola meal (38%)	18.8
Fuzzy cottonseed	15.1
Roasted soybeans	14.1
Soybean meal (48%)	9.4
Ground shelled corn	9.4
Energy Booster 100	4.7
Molasses	0.9
Salt	1.9
Sodium bicarb	3.3

Feed Additives

- Yeast product
- Rumensin
- Organic: Chelated chromium, Selenium, and Trace minerals
- Biotin
- Sodium bicarbonate
- Beta carotene
- Check for mycotoxin and add a binder

44,600

How was ~~40,000~~ RHA achieved ?

- Genetics
- Forage and feed quality!
- Consistency, consistency, consistency!
- Ventilation for cows and calves, cow comfort, long day lighting.
- Pasteurized milk for young calves.

2017 Production Data (DHI)

Number of milking cows	85	
Milk	133 lb/cow	60 kg/cow
Fat (%)	3.88	
True protein (%)	3.09	
Somatic cell count (1000/ml)	218	
Milk urea nitrogen	9.7	
Days in milk	248	
Rolling Herd Average milk	44,607 lb	20,233 kg
RHA Fat (lb)	1,731 lb	786 kg
RHA Protein (lb)	1,380 lb	626 kg

Lactation Data

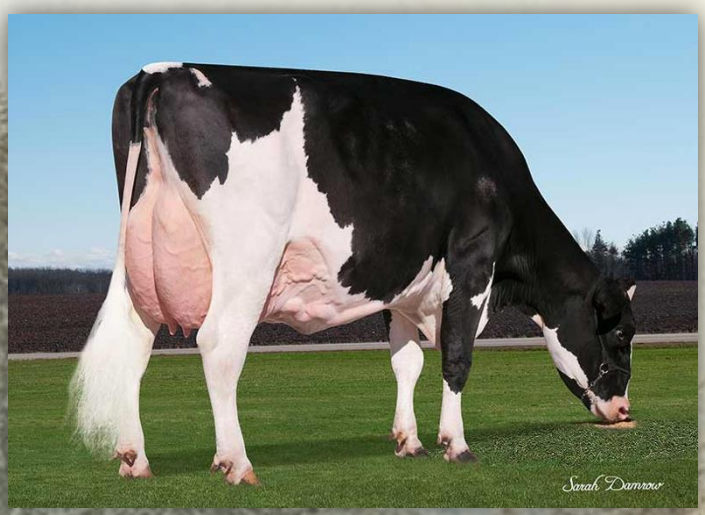
Lactation	Ave Age (months)	Peak Milk	Milk Yield 305 day/ME	Number of cows
1st	26.2	140 lb 64 kg	46,287 lb 20,995 kg	42
2nd	46.0	174 lb 80 kg	44,476 lb 20,174 kg	32
3rd +	74.0	180 lb 82 kg	44,387 lb 20,134 kg	30

Lactation Profile

November, 2017 monthly DHI data

	Pounds per Day			Kg per Day		
	Early 0-100 d	**Mid** 101-240 d	**Late** >240 d	**Early** 0-100 d	**Mid** 101-240 d	**Late** >240 d
1st	132	161	125	60	73	57
2nd	161	153	150	73	69	68
3rd +	160	192	122	73	87	55


Sarah Damrow


Sarah Damrow


Beth Herges


Wolfhard Schulze

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Getting cows pregnant

- Voluntary waiting period longer than typical, ~150 DIM
- Services/conception ~2
- Average lactation length on DHI 340 days…
  flush cows can have lactation lengths up to
  600-700 days & maintain 100+ lb/day (45.4+ kg/d)
- Hard breeding and lower genetic merit cows
  get an embryo with a 65% conception rate

Genetic Considerations

Ever-Green-View My Gold-ET

(5 year scored EX-93, EX-95 udder)

Set a 365-day record

77,480 lbs of milk

1,992 lbs of fat

2,055 lbs of protein

35,144 kg of milk

904 kg of fat

932 kg of protein

MY 1326 is Dam of My-Gold

World Milk Production leader 2008-2015

Genetics and Genomics

- All animals are genomically tested.
- Heifers are running 2.5 times breed average

	Heifers	Breed Average
Protein	+42	+12
Fat	+59	+18
Milk	+1,240	+294
Productive Life (PL)	5.4	1.8
Total Performance Index (TPI)	+2,406	+1,909

Culling

- Cull rate for milk production is zero.
- Cull rate for various reasons is about 7%.
- Sell more cows per year than they milk, maintain core herd of cows.

Net Merit of sires of various cow age groups

	Net Merit $ for sires	lbs/day Peak Milk
1st lactation	$567	140
2nd lactation	$497	174
3rd lactation +	$311	180
Breed Average	$68	

Milking System

- Pipeline around the barn with automatic take-offs
- Milk with 6 units, 3 on each side, and 2 people.
- Milking times: 7 AM; 3:30 PM; 10 PM.
- Employees do all the milking
- Milk 3x/day for almost 40 years.
- Cows are prepped with a portable Future Cow Teat Scrubber Cart.

Herd Health

- Metabolic disorders are kept to a minimum by giving calcium boluses to ALL fresh cows.
- 3rd lactation + cows are given a bottle of calcium gluconate under the skin at calving.
- Vaccinations: Calves are vaccinated at birth for rota-corona and E.coli scours.
- Vaccination schedules for other viruses are given according to vet protocol.

Mastitis

Any cow with high cell count or suspected of mastitis checked with CMT paddle and evaluated and treated accordingly.

Any cows not returning to normal as expected are then tested with PCR test by DHIA

REFLECTIONS

on a life spent

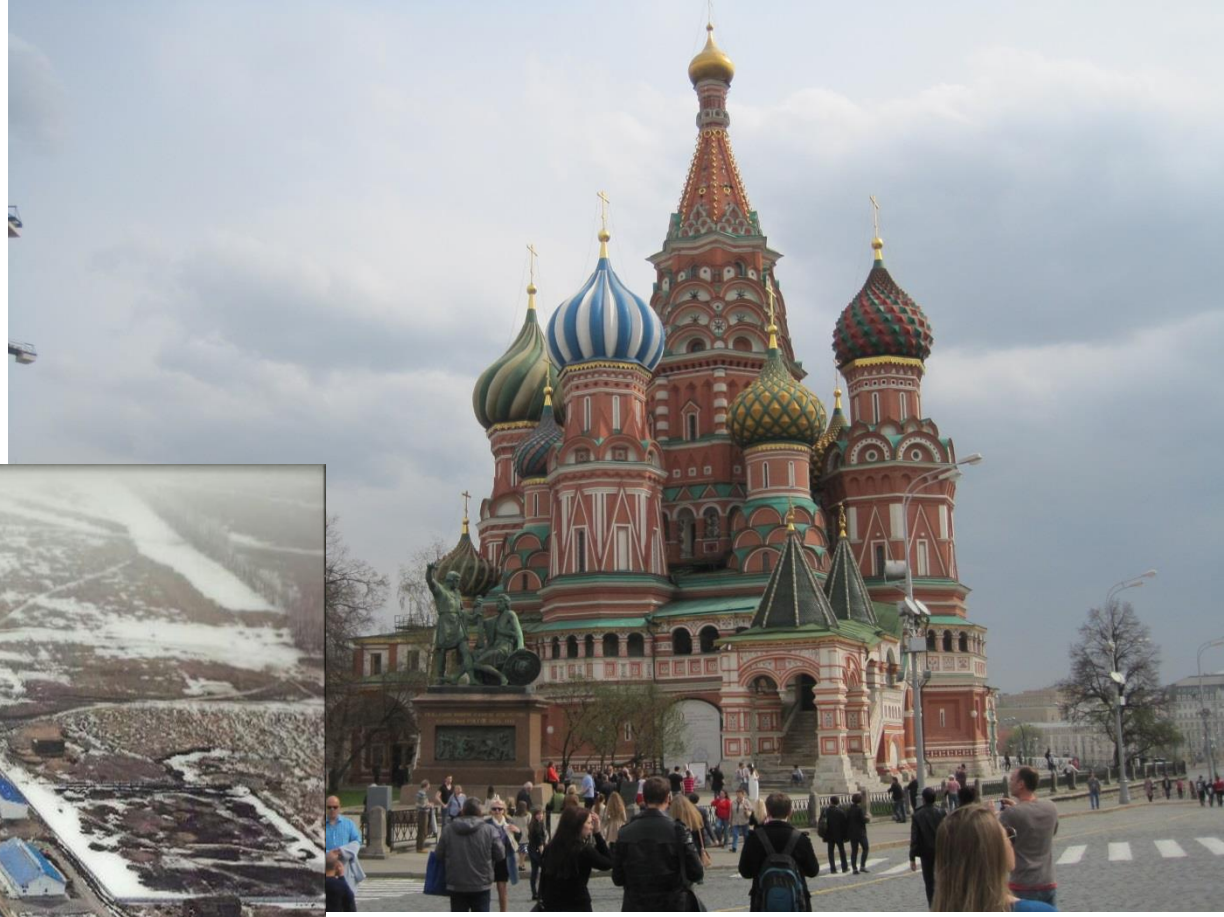
on the farm.

Future of Ever-Green-View Farms, LLC

- Uncertainty of future milk prices leaves decisions on a year to year basis.
- Therefore, future is not simply milking more cows, but rather to specialize in what the market wants for genetics…..
- This includes high production; high type young cows; high genomics or all of the above.
- There are many markets for “quality” genetics.

Visitors from Around the World!


САС
ОАО «ВАГАНОВО»




HolsteinWorld
Holstein
HolSports


Beth Herzes