BAC Academy

(What, When. Who, Why)

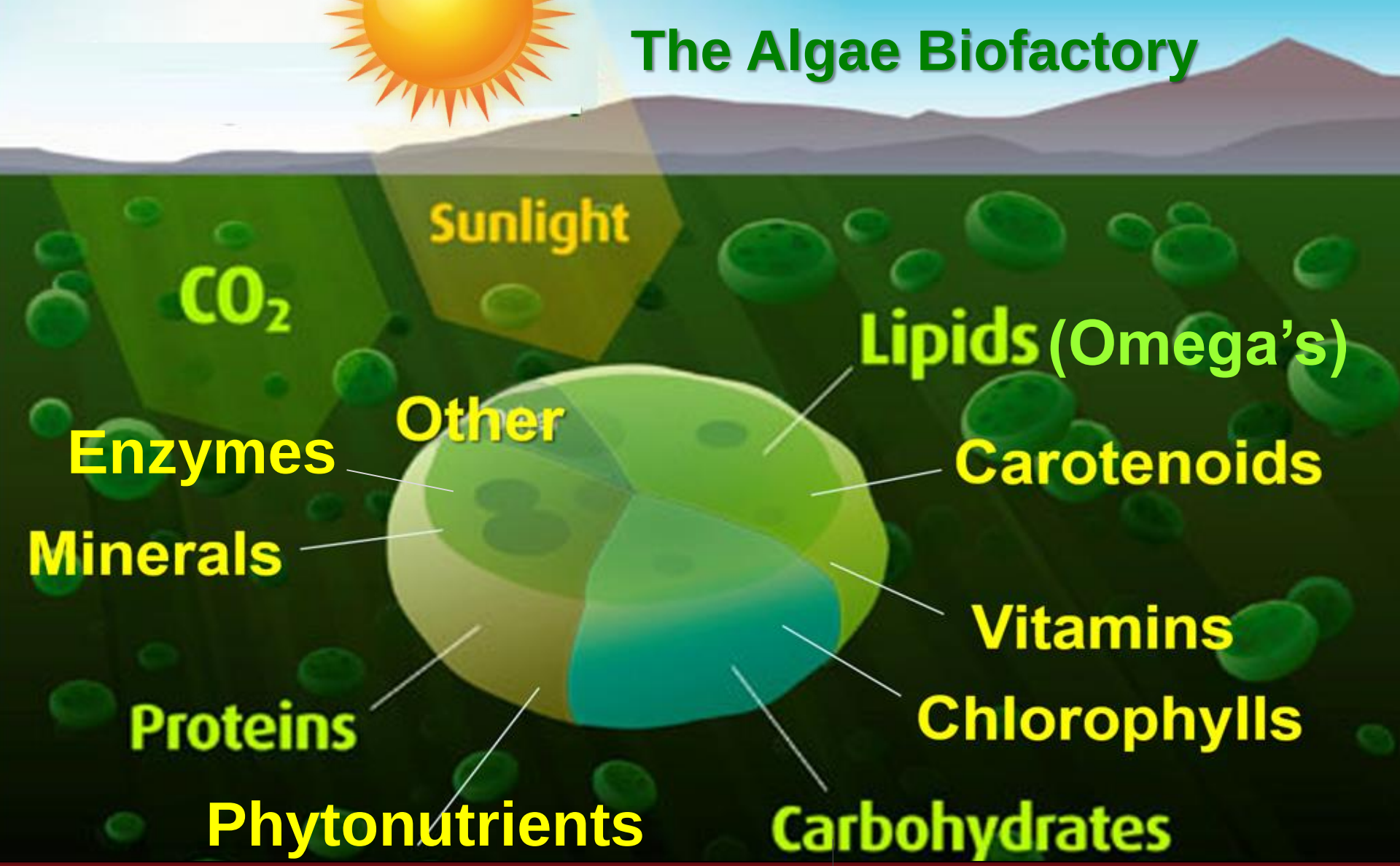
with Roland Thomas, Naturopath
and Dr. Michael Kiriac, PhD, ND

“ The culmination in cellular nutrition is the science of selecting and combining foods that have the highest nutritional density, balance and efficiency at reaching and nourishing cells of the most critical regions of the brain, delivering maximum preventative and therapeutic benefits with the least toxicity ”

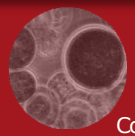
Dr. Michael Kiriac, PhD, ND

www.BIOAGE.com

The Algae Biofactory



Cyanobacteria (blue-green algae)

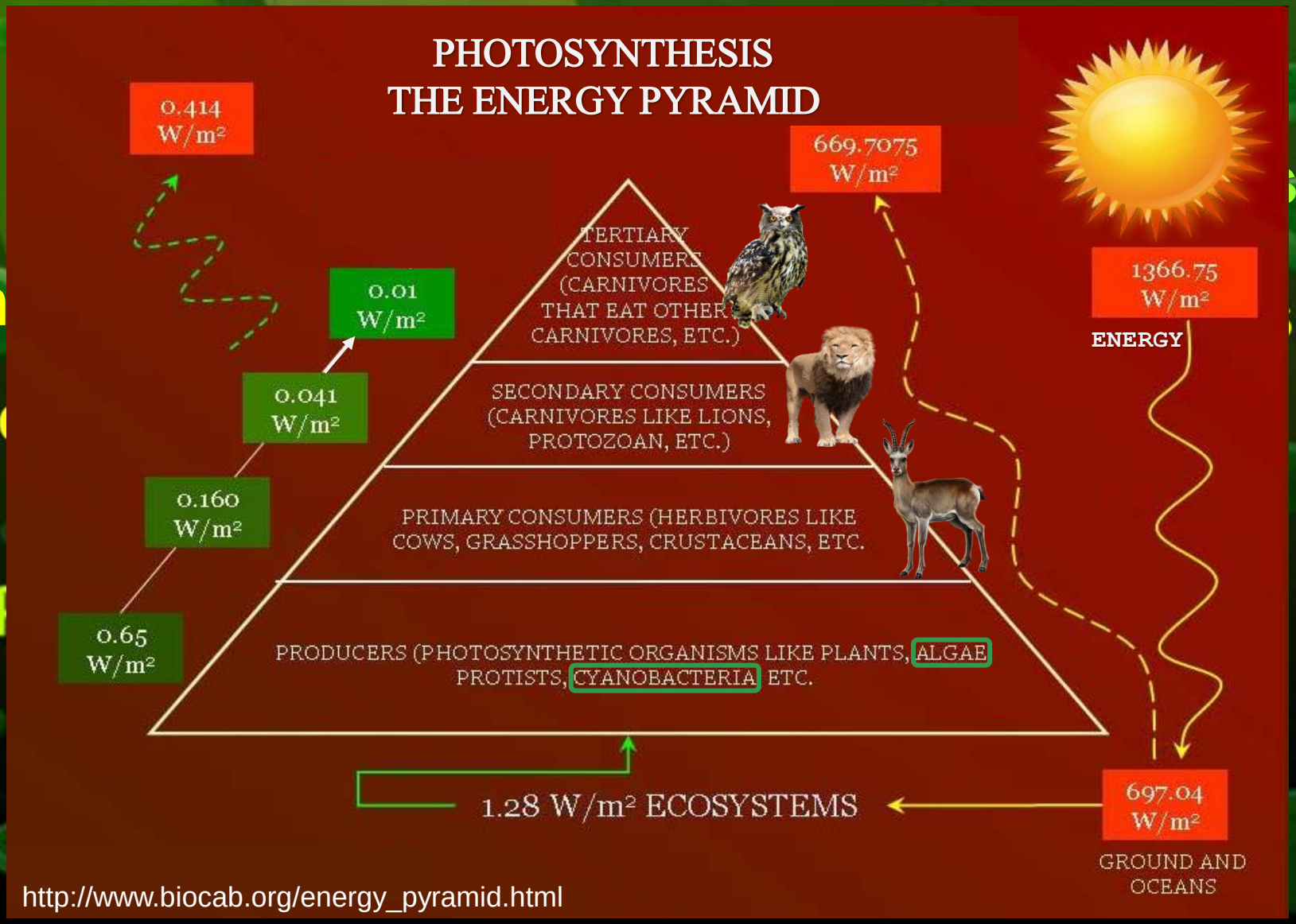

Complex cells

Plant life

Modern human

Big Bang 14B yrs ago — 3.5 — 3.0 — 2.5 — 2.0 — 1.5 — 1.0 — 0.5 — Today

The Algae Biofactory

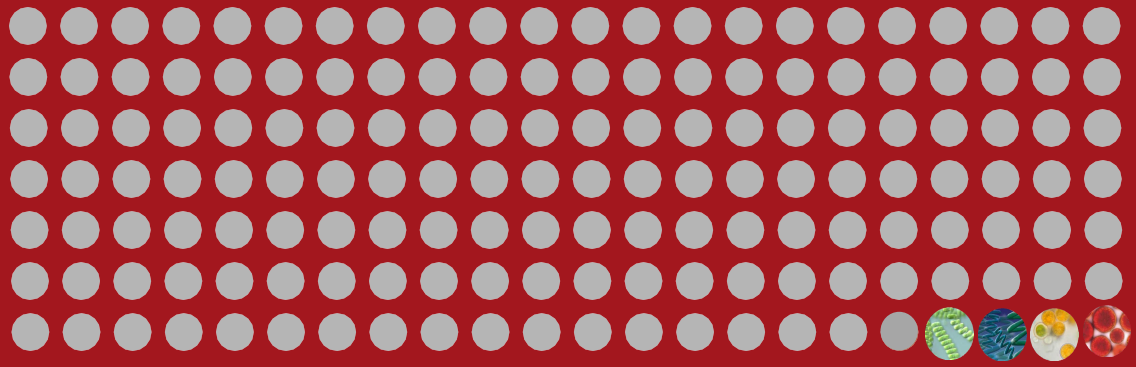


http://www.biocab.org/energy_pyramid.html

The Algae Biofactory

The 15 year research project

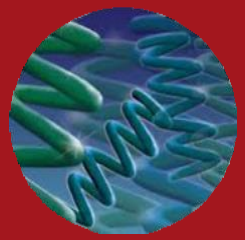
Dr. Kiriac derived a mix of 4 from ~1,000 researched algae



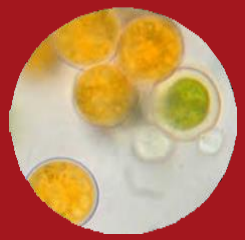
Circa 30,000-1,000,000+ algae species worldwide[1]

~1,000 algae researched by Dr. Kiriac

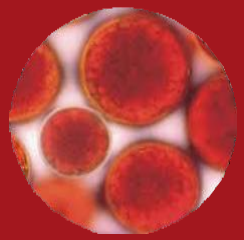
Spirulina A



Spirulina B



Dunaliella



Haematoccocus

Four were selected for Bio-Algae Concentrates (BAC)

Sources:
[1] Natural History Mudeum, London
[2] Guiry, M. D. (2012). "How Many Species of Algae Are There?"

The Algae Biofactory

15,000+ Nutrients In BIOSUPERFOOD

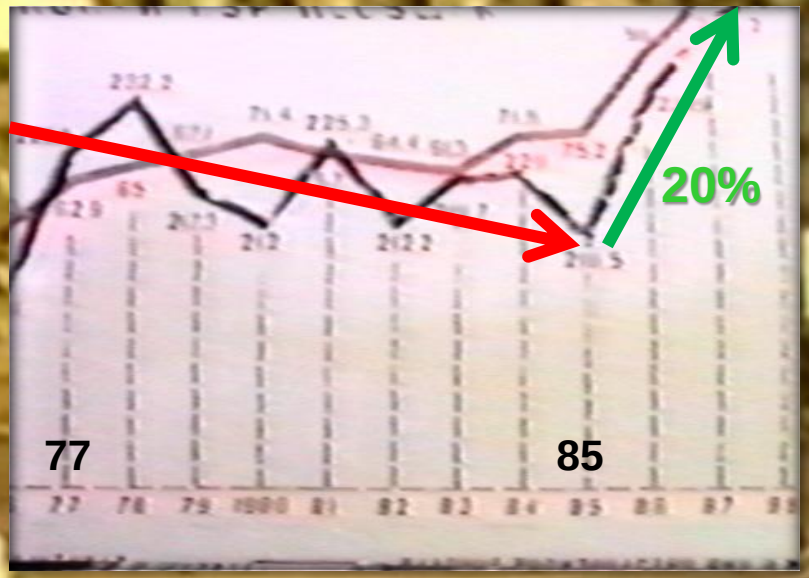
Nutrients / Ingredients (partial list)	Spirulina Platensis	Spirulina Pacifica	Dunaliella Salina	Haematococcus Astaxanthin
General Composition				
Proteins	60-70%	54%	38-43%	24%
Glucides	18%	19%	8-10%	38%
Fat	5%	6%	5-8%	14%
Vitamins				
Vitamin A (fr beta carotene)	n/a	n/a	n/a	n/a
Vitamin B1 (Thiamin)	0,31 mg	0,34 mg		0,048 mg
Vitamin B2 (Riboflavin)	0,35 mg	0,33 mg		0,17 mg
Vitamin B3 (Niacin)	1.46 mg	2.07 mg		0,66 mg
Vitamin B6	0,066 mg	0,042 mg		0,036 mg
Vitamin B12 (Human-active)	32 mcg	22 mcg		0,012 mg
Vitamin C		0,48 mg	9-12 mg	0,86 mg
Vitamin E (d-a tocopherol)	1 mg	150 mcg		188 IU/lb
Lipids (Fatty acids)				
Gamma Linolenic (GLA)	135 mg	100 mg		0.21
Inositol		10 mg		
Glycerol			31-36%	
Nucleic Acids			3,2-3,8 %	
Tocoferol			2,0-2,5 mg	
Carotenoids / Phytonutrients				
Carotenes (pigments)	0.02%	0.04%	6-9%	13-15%
Chlorophyll	115 mg	79 mg		
Phycocyanine	1,500 mg	1,110 mg		
Minerals				
Calcium	66-100 mg	42 mg		1.58%
Magnesium	32-40 mg	48 mg		1.14%
Potassium	120-160 mg	152-228 mg		
Iron	11-15 mg	10,5 mg		0.73%
Sodium	60 mg	73-109 mg		
Phosphore	93,5 mg	102 mg		
Manganese	0,49 mg	0,25 mg		
Zinc	0,27 mg	0,12 mg		

Note1: per 10 grams - approx. daily serving of BSF

Sources: Bionutrition research and analysis

Proven on a 1.5 million poultry farm (with no side effects)

Eradicated Marek's disease and increased productivity by ~20%



Proven on a 1.5 million poultry farm (with no side effects)

Eradicated Marek's disease and increased productivity by ~20%

TRIAL RESULTS

- Eradicated Marek's and other infectious diseases
- Eliminated use of antibiotics
- Increase protein in eggs by ~20%
- Increased average weight by ~21.26%
- Decreased bad fat by ~90%
- Reduced mortality rate of chicks 80%
- Obtained larger eggs with stronger shell
- Increased egg laying to 24 months from 17
- Obtained ~50 more eggs per year per chicken
- Reduced feed by ~14%
- Better tasting meat and eggs

GENTLEMEN FARMER, COLORADO, 2006
larger eggs requiring special cartons to hold them

Proven on a 15,000 cows dairy farm (with no side effects)

Adding ~1 gram of BAC increased volume and quality of milk and prevented osteoporosis

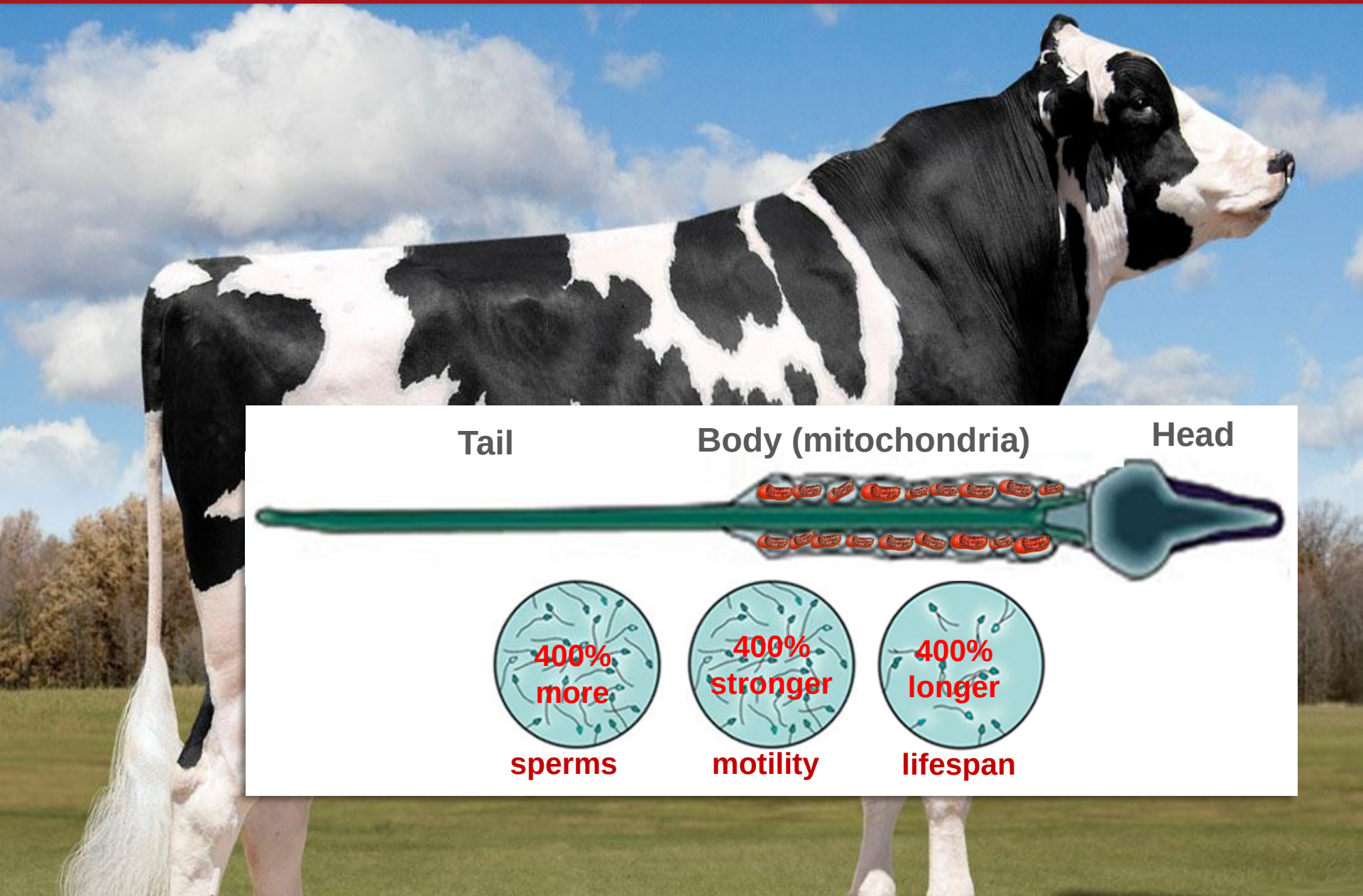
Proven on a 15,000 cows dairy farm (with no side effects)

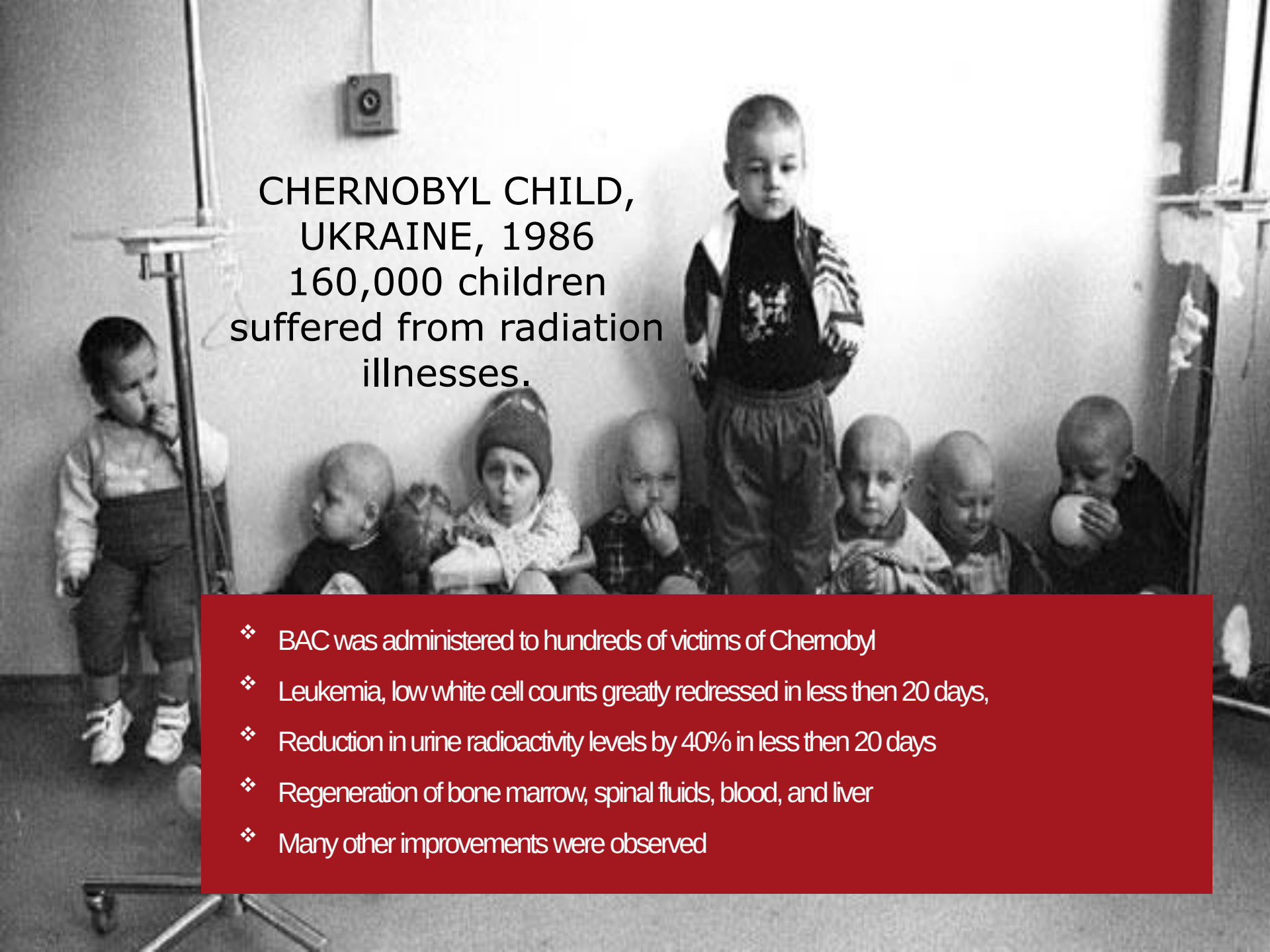
Adding ~1 gram of BAC increased volume and quality of milk and prevented osteoporosis

TRIAL RESULTS

- Stopped cancers - animals back to production
- Prevented encephalopathy (Mad Cow Disease)
- Reduced mastitis by ~95%
- Stopped using antibiotics & growth hormones
- Increased newborn survival and instances of twins
- Increased protein & butterfat by ~10%
- Reduced protein feed by ~11% (1¼ lbs daily)
- Increased milk by ~1.65gl daily (600gl per year)
- Stopped osteoporosis
- Increased lactation periods by ~40%
- Better taste and quality of milk & meat

Spermatogenesis increases 400% when adding ~1 gram of BAC (Relationship BAC / HPA / Cellular Response)





CHERNOBYL CHILD, UKRAINE, 1986
160,000 children suffered from radiation illnesses.

- BAC was administered to hundreds of victims of Chernobyl
- Leukemia, low white cell counts greatly redressed in less then 20 days,
- Reduction in urine radioactivity levels by 40% in less then 20 days
- Regeneration of bone marrow, spinal fluids, blood, and liver
- Many other improvements were observed

The North America Projects

www.BIOAGE.com

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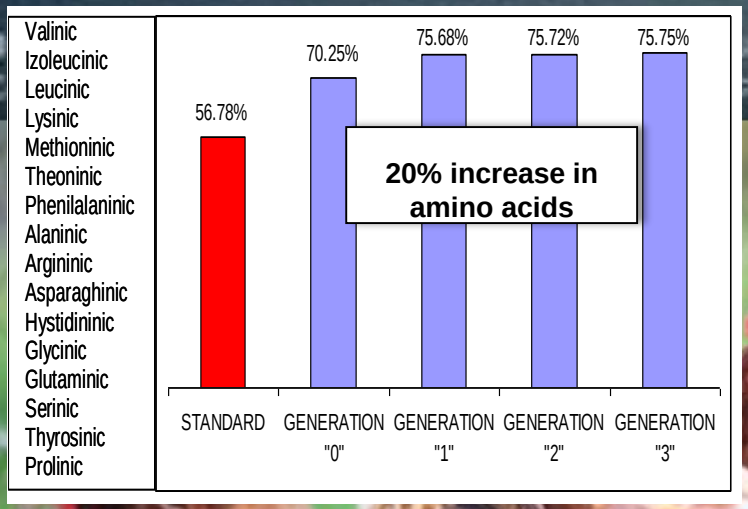
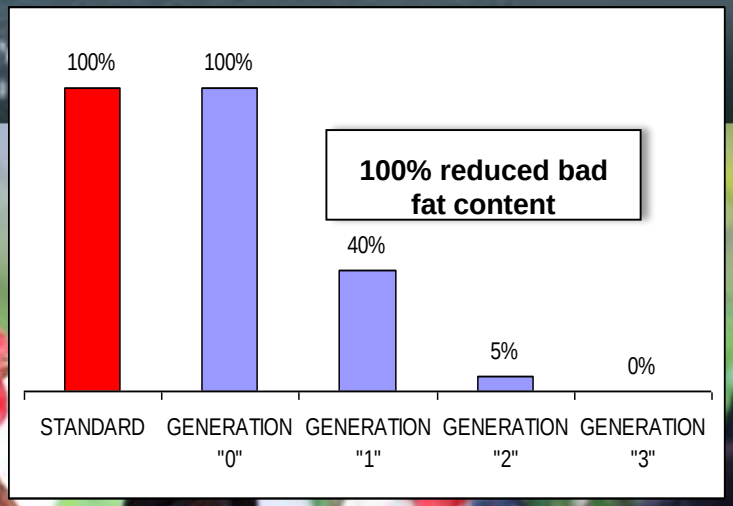
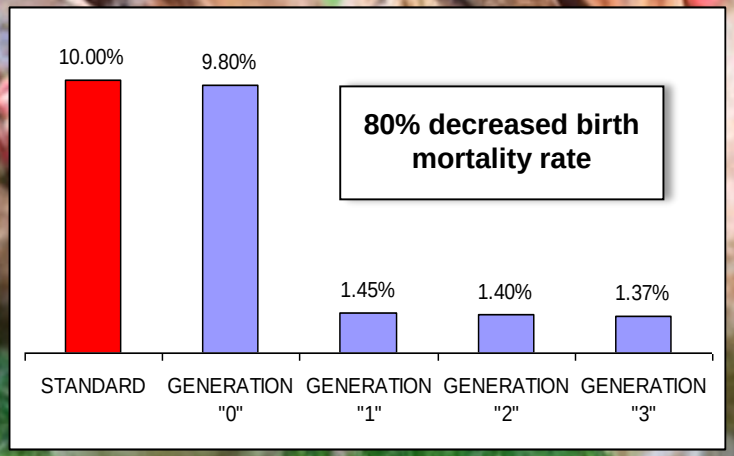
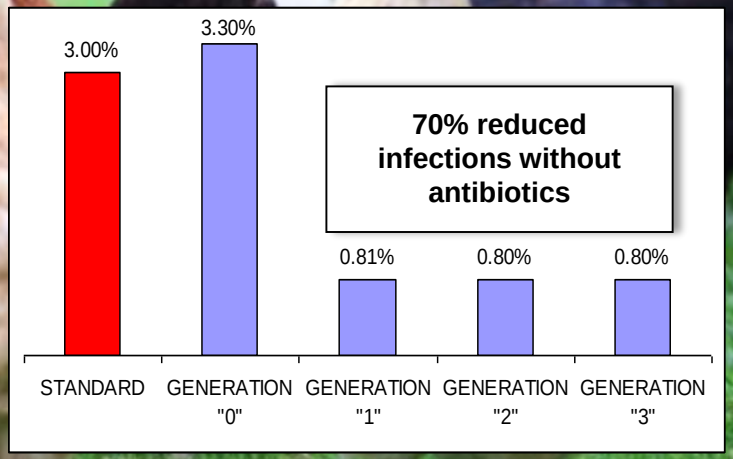
Campus Macdonald

R. Howard Webster Centre
Centre R. Howard Webster









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MONTREAL, CANADA, MCGILL UNIVERSITY RESEARCH, 1997
Confirmed results obtained in URSS with 28,000 animals

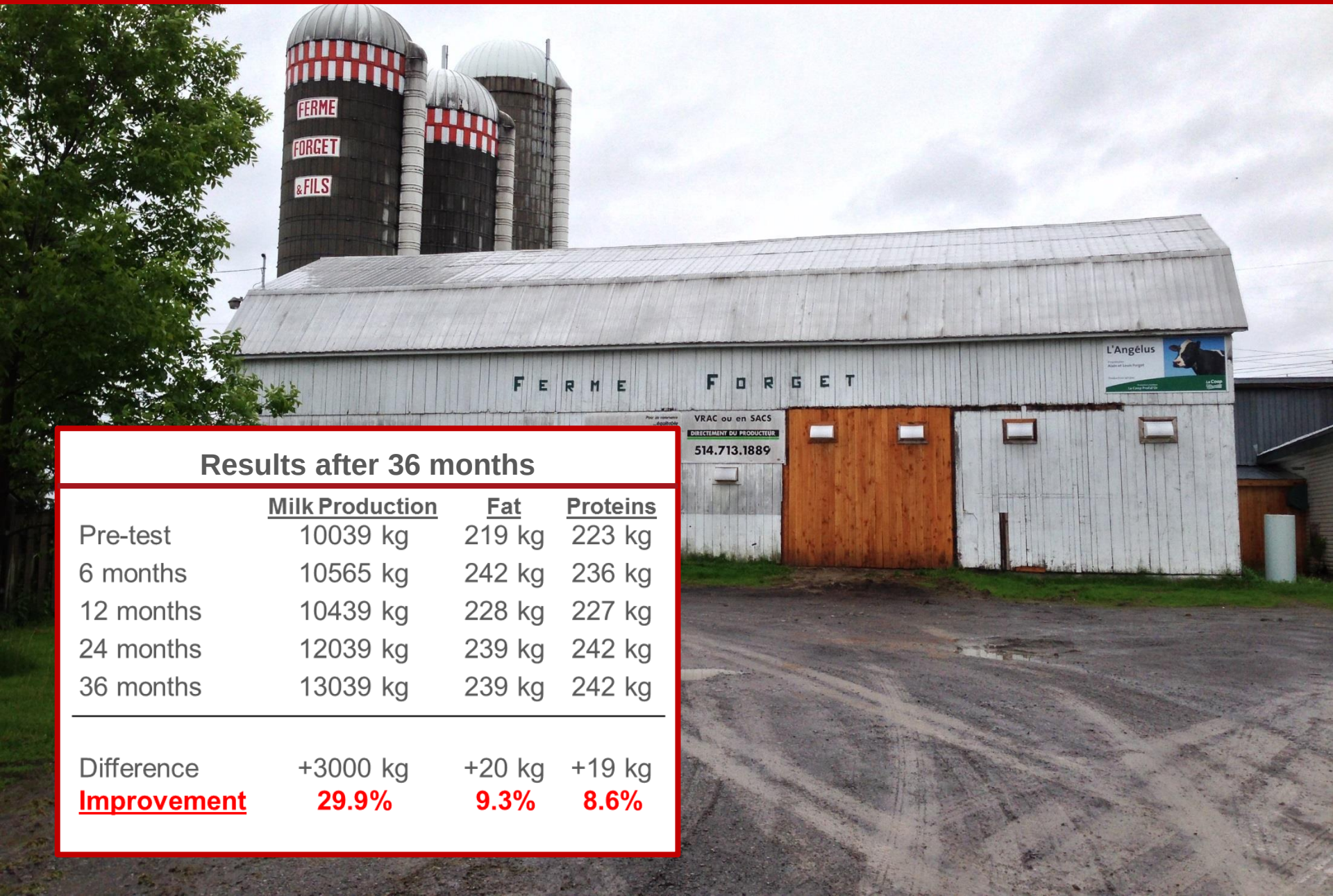
McGill

GENTLEMEN FARMER, COLORADO, 2006

Larger eggs required special cartons to hold them

Proven on the Alain Forget Dairy Farm (Laval, Quebec, Canada), 2008 - 2015

A project in cooperation with Valacta, the dairy production centre of expertise for Quebec



Results after 36 months

	Milk Production	Fat	Proteins
Pre-test	10039 kg	219 kg	223 kg
6 months	10565 kg	242 kg	236 kg
12 months	10439 kg	228 kg	227 kg
24 months	12039 kg	239 kg	242 kg
36 months	13039 kg	239 kg	242 kg
Difference	+3000 kg	+20 kg	+19 kg
Improvement	**29.9%**	**9.3%**	**8.6%**

Proven on the Alain Forget Dairy Farm (Laval, Quebec, Canada), 2008 - 2015

Results after 36 months when adding ~1 gram of BAC to daily regimen

Owner Alain Forget and Dr. Michael Kiriac

" The biggest change is a decline in feed consumption. To most farmers this would sound devastating as we have been taught that less feed means less milk, however my milk production did not decline. At the low end, they are eating about 1.25 pounds less per day. This is almost two sixteen-foot chopper boxes of feed a month. This is unbelievable! "

Saved a herd of Big horn sheep (with no side effects)

Adding ~1 gram daily of Bio-Algae Concentrates eradicate Johne's disease

" I have not had asymptomatic sheep in 8 years; the horns develop exceptionally ." – Merri M.

Saved a herd of Big horn sheep (with no side effects)

Adding ~1 gram of Bio Algae Concentrates to daily regimen eradicates Johne's disease

2007-Ohio. A herd of bighorn sheep was infected by Johne's. The veterinary suggested to euthanized the entire herd. Merri chose to add BAC to their regimen.

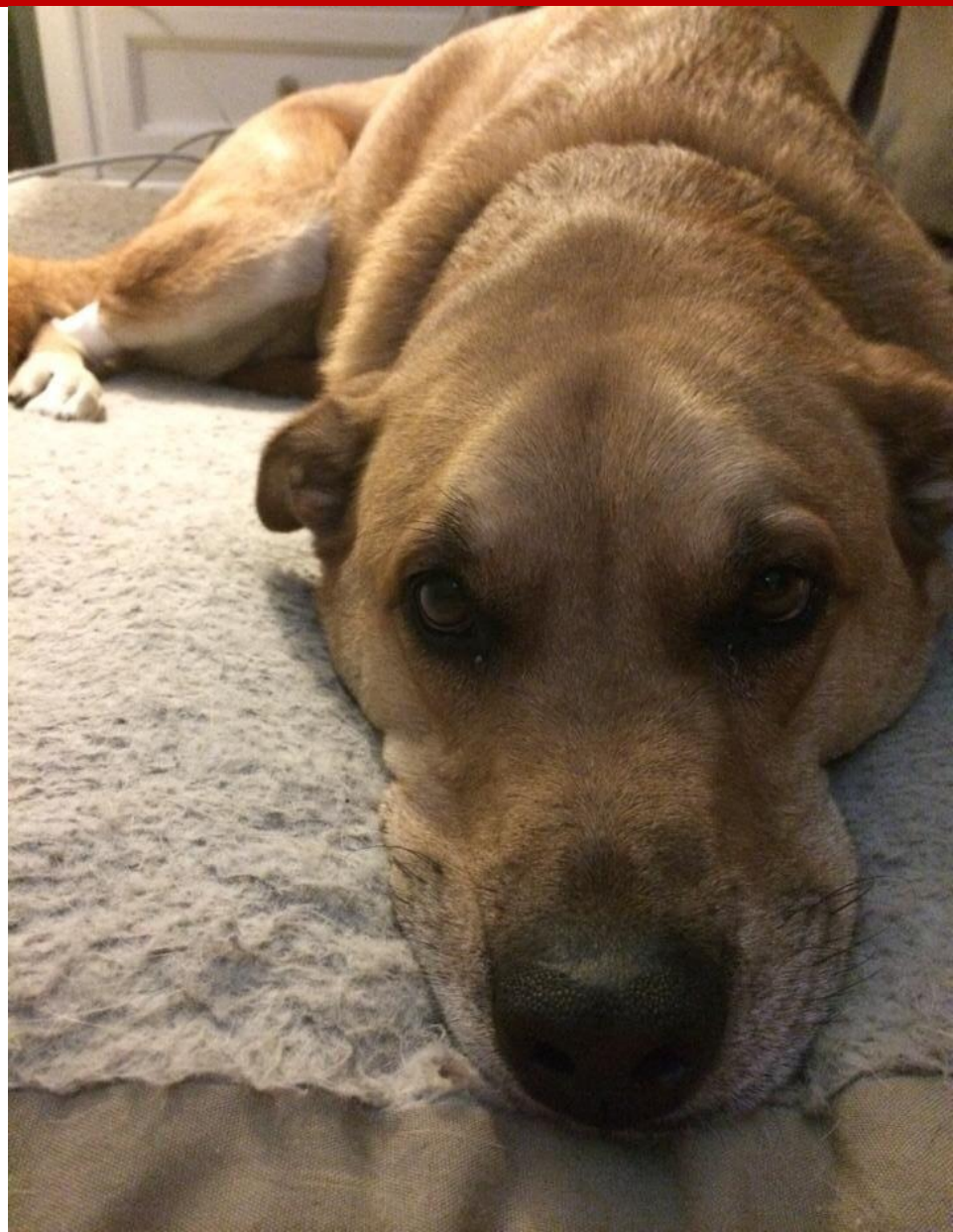
- Most sheep affected survived
- Instances of twin births and survival of both twins
- One year old sheep have horns of 2 year old sheep
- Eight years later, the heard is doing well

Immune Mediated Hemolytic Anemia (IMHA)
Data collected from extreme cases when supported with BAC

The Morris Animal Foundation estimates:
- 50% die within weeks of diagnose
- The mortality rate is 20% to 80%

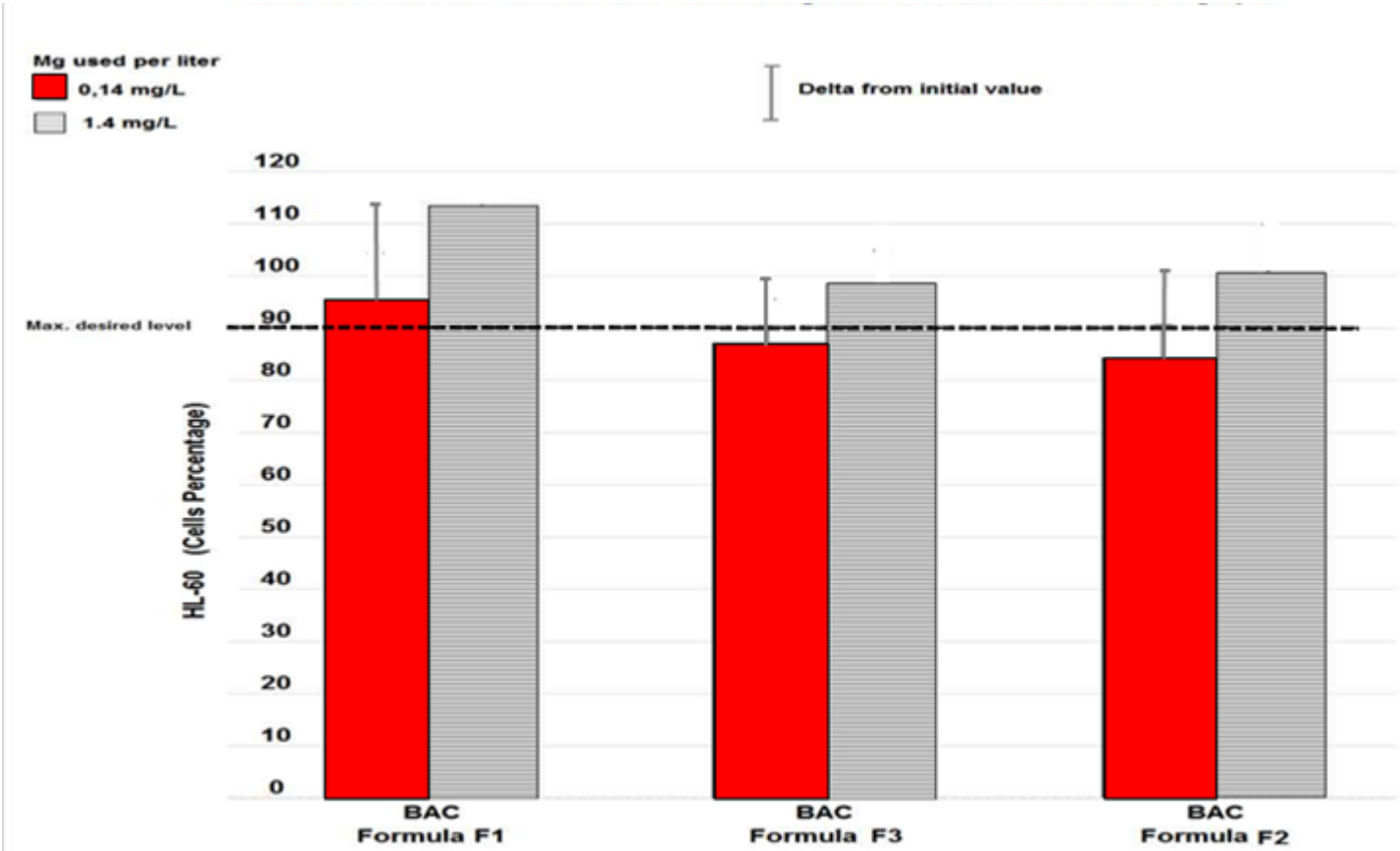
Year	# Cases	Survival Rate
2008	45	~53%
2009	54	~65%
2010	33	~45%
2011	89	~60%
2012	189	~60%
2013	92	~60%

~ Estimated and ongoing data collection



Bio-Algae Concentrates “In Vitro” 2003 Study Showing Normalized Cell Count in Leukemia

Quebec University Hospital Center – Oncology and Molecular Endocrinology Research Center



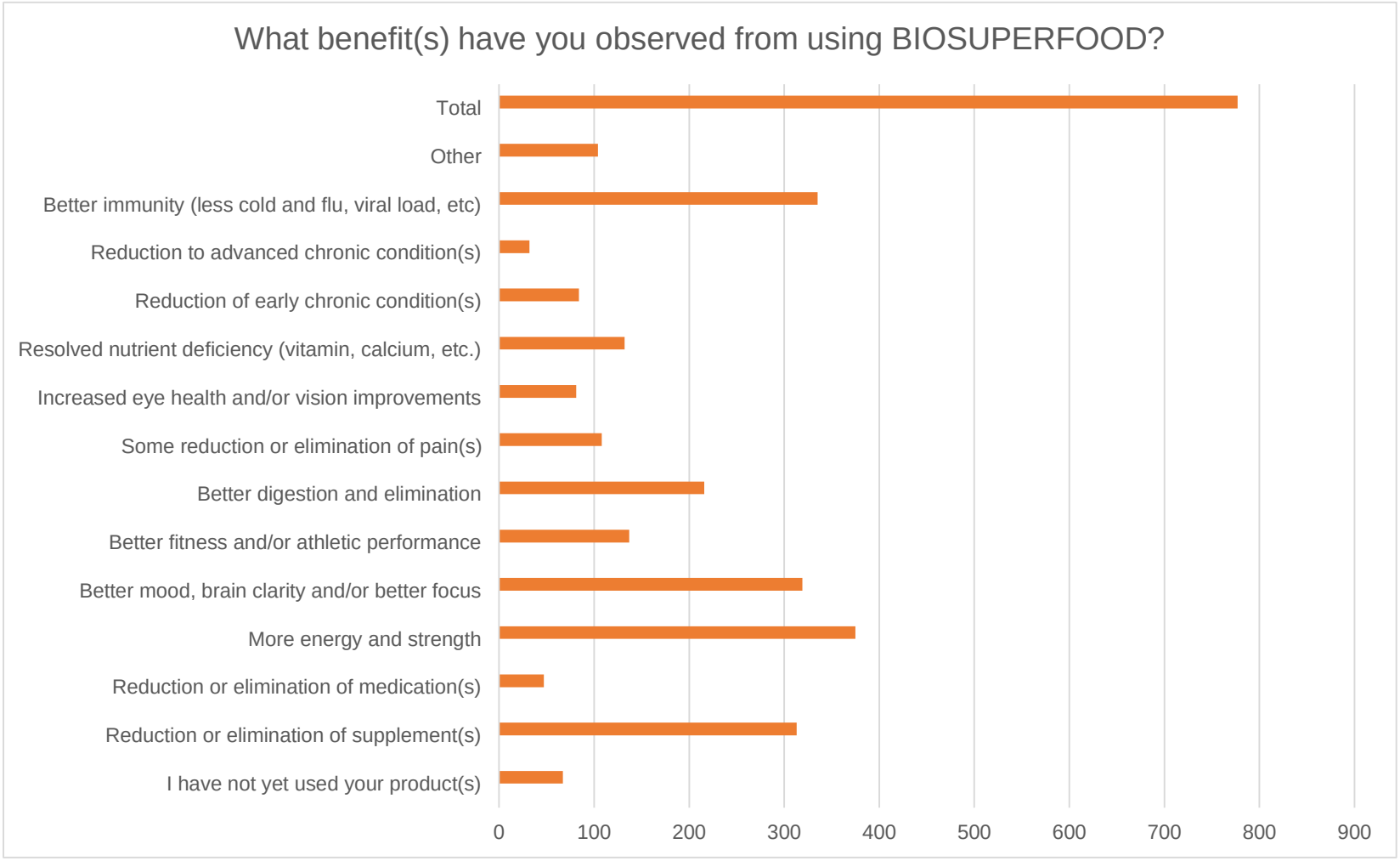
Summary:

BAC formulas F1, F2 and F3 have a positive effect on general health

BAC formulas F1, F2 and F3 have no negative effect on general health, and no proliferation effects in cancer

Survey Results 2009 from ~10,000 Current, Past, Non Users

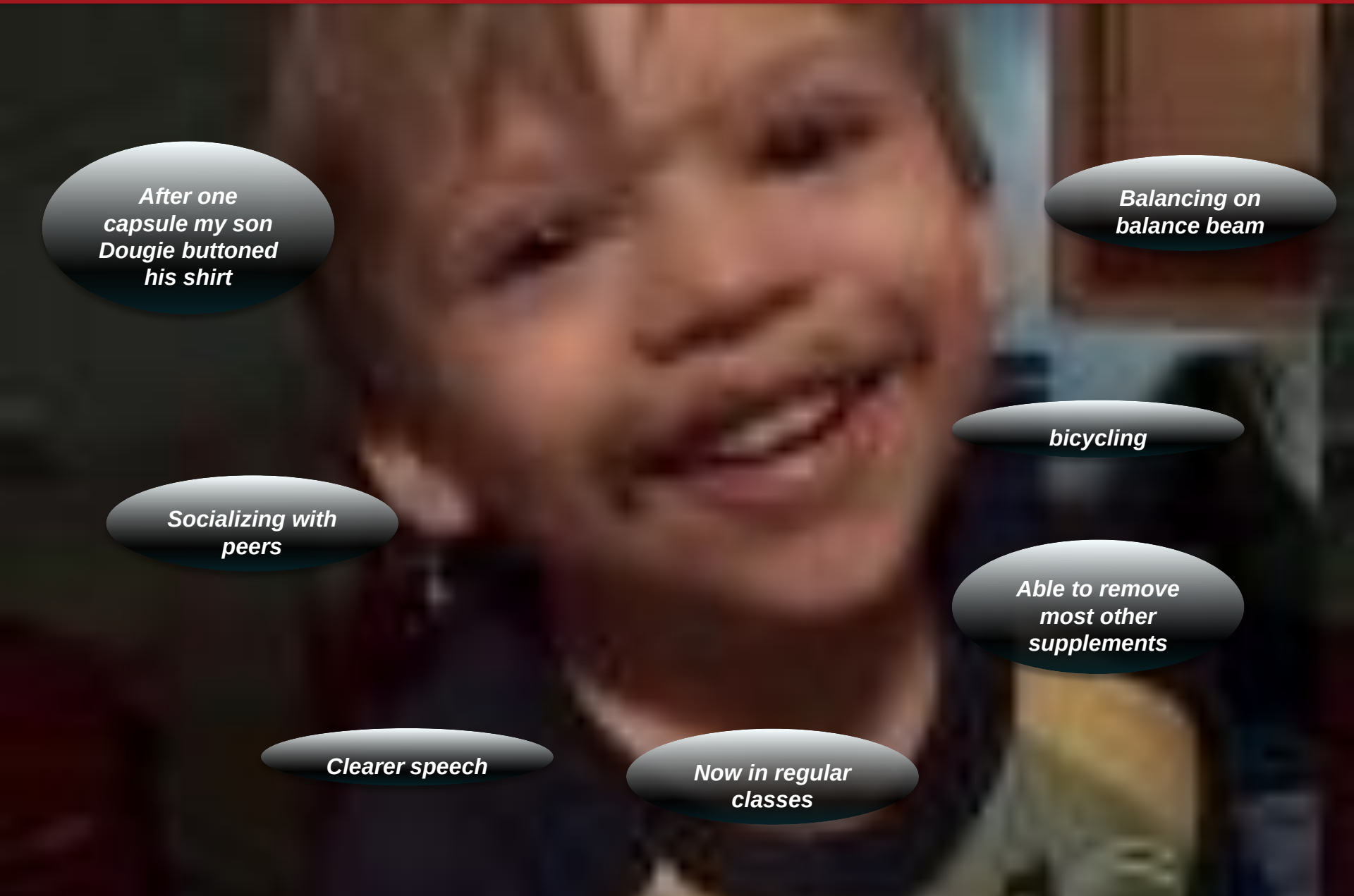
Question 7 of 15 - What benefit(s) have you gained or noticed?



Survey at http://quantumleapwellness.com/blog.html/news/survey-results/

What is it in such a small MEAL, can provide such benefits?

BAC helps autistic boy to better life
Dougie has joined normal school class 7 years consuming BAC



How many supplements are you taking?

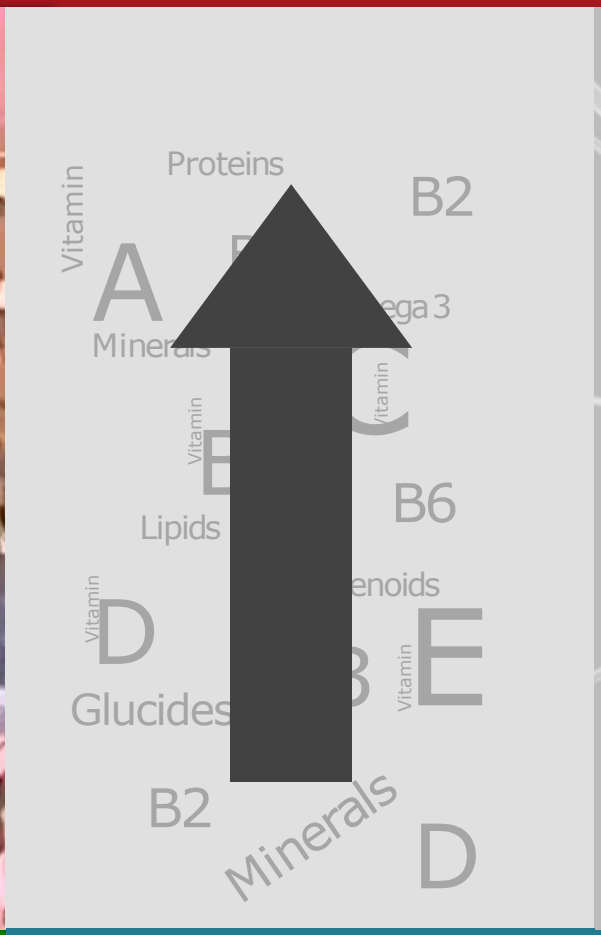
Can supplement replace whole foods?

Simplification of Supplementation!

To Supplement or Not, That is the Question

Fourteen year old Maiya never been sick

Mechanism of Action
Nutritious, catalyst of assimilation, and "enabler" of self-healing



Highly Nutritious
Over 15,000 nutrients, where a jar of algae equates truckloads of alfalfa

Assimilation Catalyst
Completes and enhances uptake of other nutrients in the regular diet

Enables Self-Healing
Efficiently nourishes the principal brain organs of homeostasis and control

Thank You

Read the entire story at :

www.awakeningthegeniuswithin.com

www.BIOAGE.com