WATER

By: Gordy Jordahl

HELFTER FEEDS, INC.®

Organics and Applied Common Sense™

Certified Organic Processor/Handler #0207-003IN

Certified By: Indiana Certified Organic, Inc.

FPD577

WATER:

The Primary Nutrient

The Most
Misunderstood Nutrient

Water

makes up 70%

of the body.

1. Water is the key component for the life and shape of every cell.
2. Major component of all body fluids.
3. Necessary for heat dissipation.
4. Transports nutrients to the cells and removes cellular by-products.
5. Necessary for digestion and absorption.
6. Aids respiration.
7. Necessary for blood circulation.

Water Intake & Requirement for Dairy

Milk Production	Estimated Dry Matter Intake	Gallons/Day 70 degree F Water
40 lbs	42 lbs	23.7 gallons
60 lbs	48 lbs	27.1 gallons
80 lbs	54 lbs	30.4 gallons
100 lbs	60 lbs	33.8 gallons

Water consumption will change	1.58 lbs for each	1 lbs of dry matter change
	0.9 lbs for each	1 lbs of milk produced
	0.11 lbs for each	gram of sodium consumed
	1.47 lbs for each	degree F change

Besides water intake- Water retention is important for energy flow in the body:

The Three Life Support Systems:	Blood Plasma	5 % water
	Extra cellular fluids around the cell	15 % water
	Inner cell	50 % water

Water retention: What Is It?

Add'l

ANALYTICAL RESULTS

SAMPLE ID: 03-17-2008
LABORATORY NUMBER: 1402858

PARAMETER / METHOD / UNITS	SODIUM EPA 200.7 Na ppm	CALCIUM EPA 200.7 Ca ppm	MAGNESIUM EPA 200.7 Mg ppm	pH EPA 150.1	NITRATE EPA 300.0 NO_3-N ppm	SULFATE EPA 300.0 SO_4 ppm	CONDUCTIVITY EPA 120.1 mmhos / cm	TOTAL DISSOLVED SOLIDS TDS ppm	HARDNESS SM 2310B gr / gallon	TOTAL COLIFORM SM 9222B cfu / 100 ml	IRON EPA 200.7 Fe ppm	MANGANESE EPA 200.7 Mn ppm	CHLORIDE EPA 300.0 Cl ppm	COPPER EPA200.7 Cu ppm
LEVEL FOUND	16.4	71.4	30.8	8.27	n.d.	1	0.528	343			1.65		3	n.d.
CAUTION LEVEL	150	150	80	6.5/9.0	25	300	1.50	1000			0.3		500	0.3

INTERPRETATION

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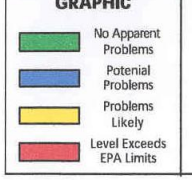
GRAPHIC														



ADDITIONAL PARAMETERS

PARAMETER / METHOD / UNITS							
LEVEL FOUND							

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

For applicable test paramaters, Midwest Laboratories is in compliance with NELAC requirements.

Water consumption will change 0.11 lbs for each gram of sodium consumed,

0.18% of salt for every lb of dry matter.

You would not fertilize your soil without a soil test.

Why would you feed your cow the primary nutrient without a water test?

For every lb of feed, 3-4 lbs of water needs to be consumed.

*Remember that nothing moves

in the body without water.

Water is the conductor. That is how the body communicates and transfers nutrients.

Electrical Conductivity and Energy Transfer in the body is totally reliant on quality water.

The digestive system demands 70% of the Immune System to protect the body from normal digestive processes.

Water becomes the missing link to countless biological functions in the body as it promotes equal concentration of nutrients to energize water molecules across cellular membranes.

This technology sets us apart by fortifying the natural balance and assimilation of minerals.

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