

Hydra Water Solution
Hydrating Livestock Solutions



Hydra Water Solutions is the name given to a process and group that designs and manufactures equipment specialized in creating micro-clustered/alkaline water for the use of hydrating livestock. With benefits that have already been proven by producers in Japan, this water solution is designed to assist with the health and wellbeing of livestock in the areas of increased lactation, hydration, milk quality, improved conception through artificial insemination, and improved rumination to improve digestion.

With our technology and equipment design, we provide equipment that can produce consistent results in higher volume scenarios thus providing quality water results for larger numbers of livestock. With systems that produce volumes in the range of 50 to 150gpm, our system is unique and mobile.

Our goal is to deliver a full-service solution that includes mobile water units that can be integrated with current water supplies to sustain current water flows but at the same time improve water quality. We do this through micron water filtration to reduce large particle soluble and minimal removal of bacteria's (through increased pH in water). The units use on board GPS tracking and digital water flow measurements, pH, TDS, and water pressure through two-way communication boards that are monitored from any phone or PC that has internet access.

Hydra Water Solution is providing quality water that helps increase revenues for a farmer and improved cattle health.

Kind Regards,

Noe Lopez

Current Savings/Increased Revenues

<u>Area</u>	<u>Result</u>
Milk production	Increase of 3-7lbs more milk by head 15-20%
Health	Pending report
Conception	Increase of 25%
Butter Fat	Decrease of 5% (due to production increase)
Bacterial effects	Reduced by 30%
Milk Proteins	Increase of 10%

What this means to increase revenues... using production as a sole value.
Example (only for demonstration purposes):

Detail	Unit Measur.	Value
# Head	<i>each</i>	2,000
Increase Milk/day	<i>lb</i>	5
Total Increase	<i>lbs</i>	10,000
Lactation	<i>days</i>	305
Comm.Price	<i>11/lb</i>	17
Total Increase		\$ 518,500
<i>Note: Yearly increase in revenue on production alone</i>		
Equipment Lease	20% of increase	\$ 8,641.67
Maintenance	Monthly rate	\$ 1,500
Total Cost	Monthly rate	\$ 10,141.67
Net Profit		\$ (396,800.00)

Article published in 2012:

Alkaline Animals

How High pH Water Can Benefit Your Pets/ Livestock

Below you will find a synopsis of the benefits (provided by individual farms) that structured water has to offer, as reported by a group of large animal veterinarians from Japan.

Dairy Farm: Shikawa Ranch
Location: Momembetsu, Hokkaido
Spokesperson: Mr. T. Shikawa

1. There was a noticeable improvement in the quality of the milk.
2. Despite the high temperature during the summer months, the milk output had increased dramatically. During the previous summer months, milk output had declined.

Dairy Farm: Takahashi Ranch
Location: Notsuke, Hokkaido
Spokesperson: Mr. Takahashi.

1. The sickness rate was considerably reduced.

Dairy Farm: Kasahara Ranch
Location: Nomura, Hokkaido
Spokesperson: Mr. G. Kasahara

1. The milk output had increase from 7,000kg o 8,900kg or an increase of 27%.
 2. The use of the alkaline water had instilled a preventive approach to the overall health condition of the dairy cow in lieu of reactive medical means.
- The overall health condition of the herd had improved dramatically.

Dairy Farm: Yamamoto Ranch
Location: Amashio, Hokkaido
Spokesperson: Mr. M. Yamatani

1. The milk output had increased from 317 tons to 393 tons or an increase of 24%.
2. The cow became fertile with one month of giving birth.
3. There was a substantial reduction to the number of veterinary visits.
4. There was a noticeable increase in their appetites.

Dairy Farm: Aikawa Ranch
Location: Akan, Hokkaido
Spokesperson: Mr. M. Aikawa

1. The odors that are normally present in the urine and excrements were dramatically reduced.
2. The birthrate was considerably increased by the increase in fertility rate and the minimizing of stillborn calves.

3. There was a dramatic increase in milk production.
4. This farm is utilized as a model ranch in the use of alkaline water.

Dairy Farm: Yamatani Ranch

Location: Kamikawa, Hokkaido

Spokesperson: Mr. M. Yamatani

1. The quality and quantity of the milk has improved considerably.
2. Considerably minimized the sickness rate of each cow.
3. Minimized diarrhea conditions.
4. An overall improvement was noted in every aspect of the dairy cow equating to better economic conditions.

Dairy Farm: Fukagawa Ranch

Location: Joro, Hokkaido

Spokesperson: Mr. E. Fukagawa

1. There was a substantial reduction to the number of veterinary visits.
2. Reduced the swelling rate of the cows legs.
3. Reduced the rate of external wounds caused by suction cups.

Dairy Farm: Sudo Ranch

Location: Munetani, Hokkaido

Spokesperson: Mr. M. Sudo

NOTE: Unlike other dairy farms, this farmer had discontinued the use of alkaline water to measure the effects of returning to normal tap water.

The following were the effects that were noted:

1. The strong odors associated with cow excrements had returned after a period of time; when the foul odor had been eliminated through the consumption of alkaline water.
2. The sheen that was once present on the cows had disappeared and the hair had returned to a lackluster condition.
3. The frequency of diarrhea had increased.
4. Weakness was noticed in the cows legs as opposed to the strengthening of the cows legs during the use of alkaline water.

Dairy Farm: Ueda Ranch

Location: Akan, Hokkaido

Spokesperson: Mr. T. Ueda

1. The fortified calcium through the electrolysis water has strengthened the legs of the cows.
2. Due to the dramatically-improved health conditions, the quality of the milk has improved.
3. In the long run, the use of alkali water is a totally economical approach to the dairy industry.

Dairy Farm: Okura Ranch

Location: Asahi-kawa, Hokkaido

Spokesperson: Mr. Y. Okura

1. The alkaline water has produced healthier cows.
There were no changes to the diet or the environment but the cows became healthier.
2. Increased their monthly sales by \$20,000.00 through increased milk output.

(NOTE: There were no other comparative numbers provided to determine the actual increase in productivity levels.)

Dairy Farm: Hamanasu Ranch

Location: Mombetsu, Hokkaido

Spokesperson: Mr. S. Nakagawa.

1. The coloring of the udder became extremely healthy.
2. In result of alkaline water consumption and it's natural healing ability, the amount of injury to the udder had diminished.
3. The milk output has increased by 800 kg per cow.

SUMMARY OF BENEFITS:

Aside from the above, the following opinions were noted by the veterinarians:

1. A noticeably increased appetite; no new supplements were added to their diet.
Increase in appetite noted in older cows also.
2. Well digested foods.
3. A beautiful sheen on the cow's hair.
4. Higher fertility rate; higher pregnancy rate.
5. A new-born calf exposed to alkaline water matures quicker.
6. A dramatic increase in milk production.
7. Improved liver condition.
8. Strengthened legs.
9. Minimizing of sicknesses; tremendously improved health condition.
10. No adverse conditions noted with the consumption of alkaline water. Lesser visits made by veterinarians.

In general, the following measurable conditions were noted:

1. An increase in milk output by 18% - 28%.
2. A notable improvement in the quality of milk.
3. Elimination of strong feces and urine odors.
4. Healthier skin condition.
5. Minimized injury to the udder.
6. Decrease in diarrhea cases.
7. Strengthening of the legs.
8. Increased appetite.
9. Able to reduce mineral supplements normally added to the feed.
10. Due to an improved health condition coupled with stronger legs, extended the productive life span of the cows.
11. Improved the fertility rate and reduced still births in new-born calves.