

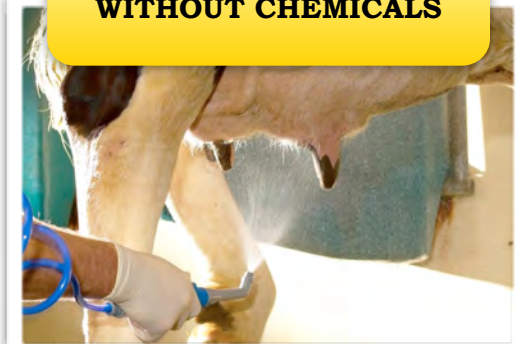
**OZONE TECHNOLOGY FOR**  
**DAIRY FARMS**  
**TEAT WASH - MILK PRODUCTION**



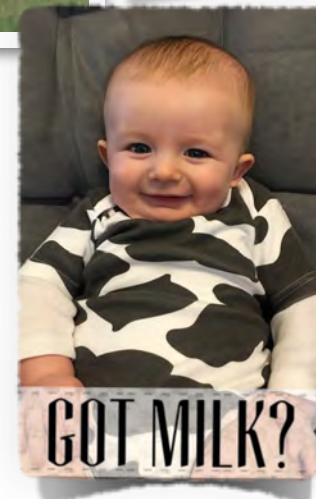
**OZONE:  
BEST TECHNOLOGY  
UPGRADE THAT A DAIRY  
FARM CAN MAKE!**



**SANITIZE ORGANICALLY  
WITHOUT CHEMICALS**



**REDUCE MASTITIS**



**PROCESS  
HEALTHIER  
MILK!**

# OZONE WATER FOR DAIRIES



## **Models:**

- DZ6: 3PPM of ozone in 6 gpm of water
- DZ12: 3PPM of ozone in 12 gpm of water
- DZ30: 3PPM of ozone in 30 gpm of water

## **Features:**

- Ozone gas made from oxygen and electricity.
- The ozone gas is dissolved in water
- Ozonated water is a powerful organic sanitizer

## **APPLICATIONS:**

- Teat Wash
- Sanitizing Milking Machines
- Sanitizing Milking Parlor
- Hoof Bath

Ozonated water for killing bacteria is approved by these agencies:



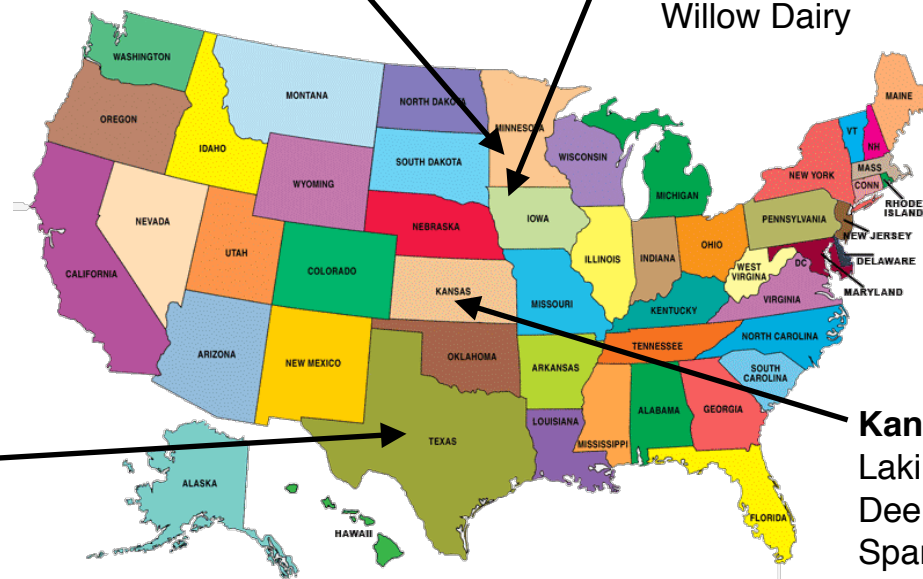
# THE DAIRY SPECIALIST



**We have the most experience using ozone on dairies!**

**Minnesota:**  
Northern Plains Dairy

**Iowa:**  
Van Es Dairy  
Roorda Dairy  
Kirkman Dairy  
Willow Dairy



**Texas:**  
Friendship Dairy  
Spandet Dairy  
Two Sisters Dairy  
Friendship Dairy Hospital  
Talisman Dairy  
Frisia Hartley  
Frontier Feedlot  
Sequoia Dairy  
Friendship Dairy Rotary  
Holy Cow Dairy

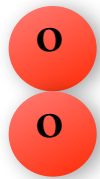
**Kansas:**  
Lakin Dairy  
Deerfield Dairy  
Spandet Dairy

- Teat wash for over 32,000 cows
- Drinking water treated: over 1,400,000 GPD
- Disinfecting calf hutches for 12,000 calves

# WHAT IS OZONE AND HOW DOES IT DESTROY BACTERIA?

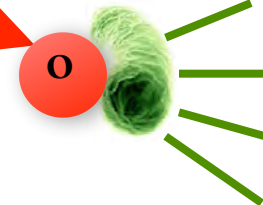
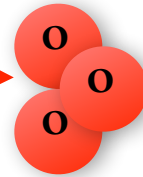


OXYGEN IS O<sub>2</sub>



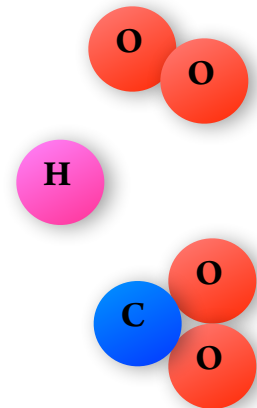
HIGH VOLTAGE  
EXCITES THE  
ELECTRONS

OZONE IS O<sub>3</sub>



AN EXTRA OXYGEN  
IS RELEASED AND  
COMBINES WITH  
BACTERIA, MOLD OR  
MILDEW TO  
DESTROY IT!

OXYGEN, HYDROGEN  
AND CARBON  
DIOXIDE ARE THE  
HARMLESS RESULTS





# ORGANISMS THAT ARE DESTROYED BY OZONE



## **BACTERIA**

Achromobacter butyri NCI-9404  
Aeromonas harveyi NC-2  
Aeromonas salmonicida NC-1102  
Bacillus anthracis  
Bacillus cereus  
B. coagulans  
Bacillus globigii  
Bacillus licheniformis  
Bacillus megatherium sp.  
Bacillus paratyphosus  
B. prodigiosus  
Bacillus subtilis  
B. stearothermophilus  
Campylobacter Jejuni  
(C. Jejuni or Campy)  
Clostridium botulinum  
C. sporogenes  
Clostridium tetoni  
Cryptosporidium  
Coliphage  
Corynebacterium diphthirae  
Eberthella typhosa  
Endamoeba histolica  
Escherichia coli (E. Coli)  
Flavorbacterium SP A-3  
Fluoriscens (bio-films)  
Leptospira canicola  
Listeria  
Micrococcus candidus  
Micrococcus caseolyticus KM-15  
Micrococcus spharaeroides  
Mycobacterium leprae  
Mycobacterium tuberculosis  
Neisseria catarrhalis  
Phytomonas tumefaciens  
Proteus vulgaris

Pseudomonas aeruginosa  
Pseudomonas  
Pseudomonas putida  
Salmonella choleraesuis  
Salmonella enteritidis  
Salmonella typhimurium  
Salmonella typhosa  
Salmonella paratyphi  
Sarcina lutea  
Seratia marcescens  
Shigella dysenteriae  
Shigella flexnaria  
Shigella paradysenteriae  
Spirillum rubrum  
Staphylococcus albus  
Staphylococcus aureus  
Streptococcus 'C'  
Streptococcus faecalis  
Streptococcus hemolyticus  
Streptococcus lactis  
Streptococcus salivarius  
Streptococcus viridans  
Torula rubra  
Vibrio alginolyticus & angwillarum  
Vibrio cholerae  
Vibrio comma  
Virrio ichthyodermis NC-407  
V. parahaemolyticus

## **VIRUS**

AIDS  
Adenovirus (type 7a)  
Bacteriophage (E.coli)  
Coxsackie A9, B3, & B5  
Cryptosporidium  
Echovirus 1, 5, 12, & 29  
Encephalomyocarditis  
Hepatitis A  
GD V11 Virus  
Infectious hepatitis  
Influenza  
Legionella pneumophila  
Polio virus (Poliomyelitus) 1, 2 & 3  
Rotavirus  
Tobacco mosaic  
Vesicular Stomatitis

## **PROTOZOA**

Paramecium  
Nematode eggs  
Chlorella vulgaris (Algae)  
All Pathogenic Forms of Protozoa  
Non-pathogenic Forms of Protozoa

## **YEAST**

Baker's yeast  
Candia albicans-all forms  
Common yeast cake  
Saccharomyces cerevisiae  
Saccharomyces ellipsoideus  
Saccharomyces sp.

## **FUNGUS AND MOLD SPORES**

Aspergillus candidus  
Aspergillus flavus (yellowish-green)  
Aspergillus glaucus (bluish-green)  
Aspergillus niger (black)  
Aspergillus terreus,saitoi & oryzac  
Botrytis allii  
Colletotrichum lagenarium  
Fusarium oxysporum  
Grotrichum  
Mucor recomosus A & B (white-gray)  
Mucor piriformis  
Oospora lactis (white)  
Penicillium cyclopium  
P. chrysogenum & citrinum  
Penicillium digitatum (olive)  
Penicillium glaucum  
Penicillium expansum (olive)  
Penicillium egyptiacum  
Penicillium roqueforti (green)  
Rhizopus nigricans (black)  
Rhizopus stolonifer

## **CYSTS**

Cryptosporidium parvum  
Giardia lamblia  
Giardia muris

## **FUNGAL PATHOGENS**

Alternaria solani  
Botrytis cinerea  
Fusarium oxysporum  
Monilinia fruticola  
onilinia laxa  
Pythium ultimum  
Phytophthora erythroseptica  
Phytophthora parasitica  
Rhizoctonia solani  
Rhizopus stolonifera  
Sclerotium rolfsii  
Sclerotinia sclerotiorum

## **ALGAE**

Chlorella vulgaris  
Thamnidium  
Trichoderma viride  
Verticillium albo-atrum  
Verticillium dahliae