



WEST CENTRAL®

SoyChlor®

Technical Bulletin

SoyChlor as a Urine Acidifier for the Prevention of Urolithiasis

West Central developed SoyChlor® to aid in the prevention of hypocalcemia in transition dairy cows but enterprising nutritionists and veterinarians are also using SoyChlor as a urine acidifier in other species.

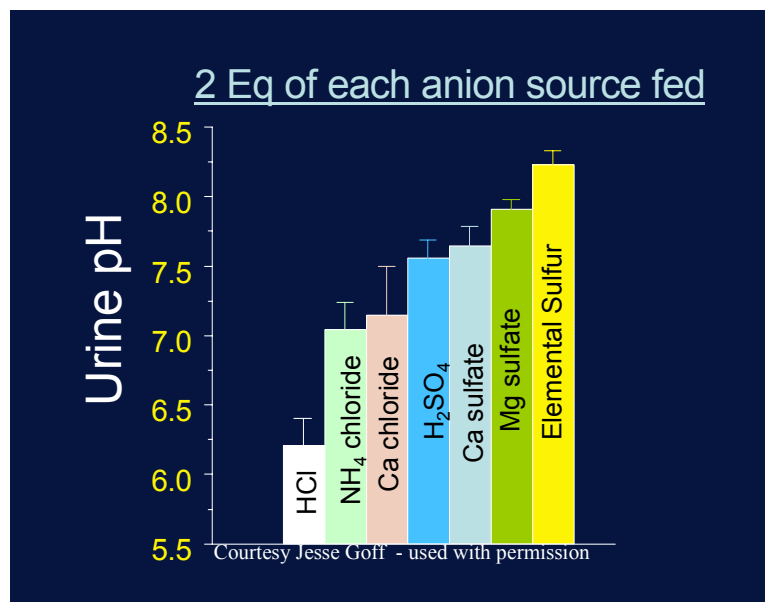
Urolithiasis (bladder stones) can be a life threatening condition in any species of animal if there is blockage of the urethra inhibiting the release of urine. Many types of uroliths dissolve in acidic urine. For years the most common choice for acidifying urine in goats, lambs, steers, horses, and other animals has been ammonium chloride.

The benefits of SoyChlor as a urine acidifier are the same for these animals as for transition dairy cows.

- 1) More palatable than ammonium chloride (Some of these animals are finicky!)
- 2) Strong acidification from hydrochloric acid
- 3) Low levels of sodium and potassium

Reports from the field about the acidifying ability and palatability are very favorable. The amount of SoyChlor needed varies with the DCAD of the rations. High levels of potassium or sodium increase the amount needed.

Since SoyChlor contains fairly high levels of calcium and magnesium, evaluation of the mineral content of other mineral mixes and the whole diet is necessary prior to use.



Goff, J. P. and R.L. Horst. 1998. Use of hydrochloric acid as a source of anions for prevention of milk fever. J. Dairy Sci. 81:2874.