



SPRING INTO SUCCESS

WITH PROFECTUS LIVESTOCK SOLUTIONS

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PRE-BREEDING & GRASS TURNOUT

Dr. Steve Dudley

Days are starting to lengthen and the sun's power is beginning to increase; Spring is here! It's time to consider your pre-breeding and grass turn out strategies.

Pre-breeding vaccines for the cowherd enhance the cow's ability to become pregnant on time and carry a healthy calf to term. Vaccine protocols will be different from farm to farm.

Vaccines such as BoviShield Gold 5VL5, Vista 5VL5, or Virashield 6VL5 are all options for pre-breeding vaccines that contain viruses IBR, BVD, PI3 and BRSV along with Vibriosis and Lepto strains.

Vibriosis, caused by *Campylobacter*, can contribute to infertility as well as **Leptospira** bacteria, which can cause infertility, abortions and reduction pregnancy rates.

Trichomoniasis is a disease that leads to reduced conception rate, abortions, and decreased pregnancy rates. If Trichomoniasis is in your area, testing procedures are required. Management recommendations include purchasing virgin bulls and testing bulls prior to usage. There is a vaccine for the prevention of Trichomoniasis that can be used, but it is not in combination with any other vaccines.

Other pre-breeding considerations for cows:

- Parasite control- deworming and fly/lice control
- Ensuring that cows are on a positive plane of nutrition prior to turning out bulls

Considerations for bulls:

- Semen testing
- *Trichgard* if Trichomoniasis is in your area
- *Fusogard* is a foot rot vaccine to prevent feet and leg problems during the breeding season
- Vaccines such as BoviShield Gold 5VL5, Vista 5VL5, or Virashield 6VL5 are all options containing viruses and bacteria that can **reduce** conception rates.
- Parasite control- deworming & pour-on
- Consult with one of our veterinarians for the best recommendation.



Grass turnout normally corresponds with pre-breeding decisions, although it may depend on your production system.

Considerations at grass turn out in the mid May include:

Vaccine options for calves:

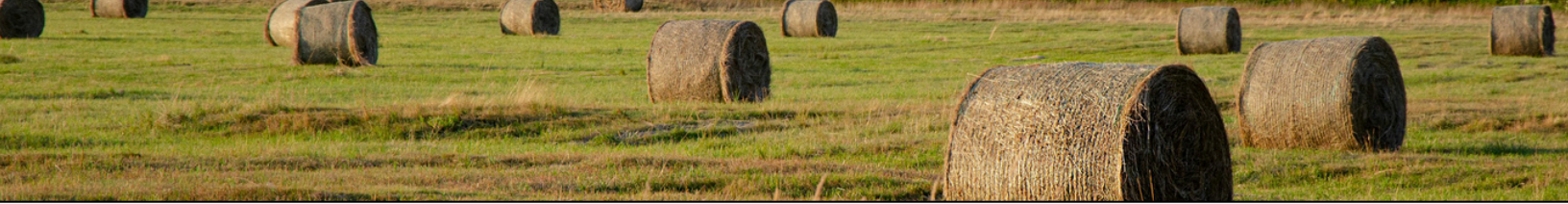
- 7-way clostridial vaccines such as Vision 7, Ultrabac 7, Alpha 7
- Pinkeye vaccines- Vision 20-20 or autogenous options
- Respiratory vaccines such as Inforce, Nasalgen 3, BoviShield 5, or Vista 5
- Work with your veterinarian to individualize your vaccine protocols in order to fight diseases or challenges your herd has experienced

Fly Control: Ear tags, pour-ons

Mineral selection: Garlic, IGR, Biomox, or other mineral additives should be considered

Implant utilization for calves prior to grass: Implants normally improve average daily gain 5-8% and improve feed conversion 10- 12%.

Grass implants (Estradiol only) include: *Ralgro*, *Synovex C* or estradiol and trebalone implants such as *Revalor G* or *Synovex One Grass*.



INTRODUCING: SILOGUARD

Did you know that inoculants aren't your only option? The new way to treat your silages and baled hay is not with an inoculant or acid; It's with Silo Guard.

Silo Guard uses a patented combination of sulfur compounds and enzymes to promote healthy fermentation.

Silo Guard will:

- **Improve dry matter recovery by 6.4%**
- **Eliminate oxygen and accelerate fermentation, increasing hay quality**
- **Allow hay to be baled at up to 25% moisture**

Yes, you read that right; Silo Guard allows for baling earlier and later in the day by enabling hay to be baled at higher moisture levels (up to 25%) **without compromising quality, and by preventing mold and yeast growth.**

This flexibility minimizes weather risks, optimizes labor, and ensures more hay is preserved, making it a game-changer for haylage production.

Silo Guard is the most effective forage additive on the market today with over 20 years of University and Government research.

REDUCE YOUR SHRINK LOSS

Silo Guard = 4.9:1 Return vs. Inoculant

| | Silo Guard | Inoculant | Untreated |
|----------------------------|------------|------------|------------|
| Pounds In (As Fed) | 404,400 | 331,600 | 499,000 |
| Pounds Out (As Fed) | 399,800 | 297,600 | 461,940 |
| Pounds Lost (As Fed) | 4,600 | 34,000 | 37,060 |
| % DM lost | 1.14 | 10.25 | 7.42 |
| Feed Lost @ \$75/ton Value | \$172.50 | \$1,275.00 | \$1,389.75 |

Silo Guard reduces shrink from 10.25% (inoculant) to 1.14%, saving 56.25 tons of haylage from a 1,235,000-pound batch—worth \$4,218.75 at \$75/ton.

Contact your PLS Sales Representative for more in-depth ROI information.



Available as ready-to-use liquid or in dry granular form. Silo Guard starts working immediately upon application and is particularly beneficial when used in less-than-optimal conditions.

UP NEXT: WATER LINE BIOFILMS IN SWINE OPERATIONS

Water line biofilms can pose a threat to biosecurity on swine operations and should be thoroughly accounted for in biosecurity planning.

Not only can pathogens enter swine farms from the water source, but the design of current swine water distribution systems provides areas for potential buildup causing contamination and leading to the formation of biofilms.

Biofilms degrade water quality and can harbor pathogens that can decrease the health of pigs. Without implementing water line disinfection, biosecurity may be compromised.



Prevention tips:

- Maintain a flow
- Avoid dead ends
- Regularly flush infrequently used pipes