

# BIOSECURITY

## Is Every Calf Rearer's Business

### 'THE MOST COMMON HEALTH PROBLEM LIKELY TO AFFECT NEW CALVES IS CALF SCOURS.'

"The causes of scours in calves under 21 days of age are difficult to determine.....There is usually not one single cause, but an interaction between calf management, diet, the environment, poor immunity.....viruses and bacteria..." *Dr John Moran - Senior scientist & dairy adviser'*

Quote and table (adapted) from DA Rearing Healthy Calves Manual p135

Calf scours timetable (approximate age in days):																							
	Calves (days old)																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23+
<i>E.coli</i>	■	■	■	■	■	■	■	■															
<i>Rotavirus</i>				■	■	■	■	■	■	■	■	■	■	■	■	■	■						
<i>Coronavirus</i>					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<i>Salmonella</i>						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<i>Crypto</i>						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<i>Cocci</i>																					■	■	■

### DISEASE PREVENTION IS ALWAYS BETTER THAN TREATMENT AND CURE.

Disease Prevention starts with calf pen preparation pre-calving and effective colostrum management at calving. Biosecurity starts with effective hygiene before calving and continues with regular application while calves are in calf pens and sheds.

For best results implement a holistic approach to biosecurity in animal housing and bedding that includes the use of:

1. Broad spectrum virucidal, bactericidal, fungicidal disinfectant and cleaner
2. Ultra-absorbent bedding conditioner that keeps bedding dry (removes moisture and stops pathogens), reduces ammonia, and aids odour and fly control

## 2-STEP BIOSECURITY PROGRAM FOR CALF REARING

### 1: Kill Disease Causing Pathogens with ViralFX

100% effective vs. viruses & bacteria associated with calf scours

**Uses:** Spray out pens/sheds before use and regularly when pens occupied disinfect feeding equipment & calf trailers foot dips, before and after attending sick pens.

### 2: Keep bedding dry and fresh with DELTASEC

Up to 10 times more absorbent than lime and other natural desiccants

**Uses:** Spread as underlay prior to bedding installation, spread on top of bedding regularly to remove surface moisture to freshen and condition bedding.

# 2-STEP BIOSECURITY PROGRAM FOR CALF REARING

## STEP 1: VIRAL FX

THE BROAD SPECTRUM DISINFECTANT AND CLEANER

100% effective vs. viruses & bacteria associated with calf scours

- ✓ OH&S friendly = non-toxic to animals and humans
- ✓ 1 Shot bio-disinfection = kills 500 pathogens: 400 bacteria and 100 viruses
- ✓ Australian made = supports local industry
- ✓ APVMA Approval Number: 65691/51590

**Mix Rate:** 1:100 (ViralFX powder to water)

**Application Rate:** 300mL/m<sup>2</sup>

- Disinfect sheds and feeding equipment prior to season
- Routine applications during season
- Foot dips
- Aerial spraying, misting & fogging

**Packs:** 1kg, 2kg, 5kg and 10kg Pails



## STEP 2: DELTASEC

THE ULTRA-ABSORBENT BEDDING CONDITIONER

Up to 10 times more absorbent than lime and other natural desiccants

- ✓ Natural product = non-irritant to animals and humans
- ✓ OH&S friendly = safe to use for workers [non-caustic, non-irritant & chemical free]
- ✓ Removes moisture = creates a difficult environment for pathogens to thrive
- ✓ Reduces ammonia = lowers the common trigger for pneumonia
- ✓ Contains Citronella = aids odour control
- ✓ 10 times more absorbent than lime = DELTASEC absorbs 3 times its own weight in water



Product & Features	Lime	DELTA SEC
OH&S Friendly	X	✓
Ultra Water Absorbent	X	✓
Absorption By Weight	32%	320%
Reduces Ammonia	X	✓
Aids Odour	X	✓
Cost Effective	X	✓
Chloramine-T Free	✓	✓

**Application Rate:** 50g/m<sup>2</sup> or 25kg/500m<sup>2</sup>

- Apply before installing bedding
- Apply on top of all new bedding
- Routine use for all animal pens/sheds
- Suitable for application by hand or blower

**Packs:** 25kg Bag | 40 bags per pallet