ENGLISH

On-arrival programs: Improve productivity, health and profitability with feed additives.

GAIN MORE WITH A FAST START.
**Starter rations — the foundation of on-arrival programs.**

There’s no shortage of stressors on cattle when they arrive at a stocker, backgrounding or feedyard operation. And that stress can have a big impact on how quick of a start those cattle get on your watch and on your dime.

**DEVELOPING ON-ARRIVAL STRATEGIES**

On-arrival strategies should be tailored specifically to your operation. Work with your veterinarian and nutritionist or feed supplier on:

- Nutrition
- Managing bovine respiratory disease (BRD)
- Managing internal and external parasites
- Vaccinating
- Implanting

**SELECTING A STARTER RATION**

It’s one of the most important decisions you’ll make about your on-arrival program. The right mix of ingredients can help boost the animals’ immune systems, allowing them to help fight disease and direct all of their energy toward converting feed to gain.

**CHALLENGES OF STARTING CATTLE**

- Prior nutrition
- Age
- Distance transported
- Preconditioning status
- Commingling
- New environment
- Weather
- Cattle source, including likelihood to be high risk

**STARTER RATIONS SHOULD ENSURE ADEQUATE FEED INTAKE AND SUPPORT CATTLE HEALTH.**
Help cattle maximize their growth potential with feed additives in the starter ration.

On your operation, the goal is gain. Whether that’s more pounds, better feed efficiency or healthier starts, we have the feed additive choices that will help boost performance and improve profitability.

<table>
<thead>
<tr>
<th>Active ingredient</th>
<th>Improves feed efficiency</th>
<th>Increases average daily gain</th>
<th>Disease prevention, control and/or treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUREOMYCIN® (VFD Required)</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Chlortetracycline</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUREO S 700® (VFD Required)</td>
<td></td>
<td>✓</td>
<td><strong>✓</strong></td>
</tr>
<tr>
<td>Chlortetracycline and sulfamethazine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOVATEC®</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Lasalocid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DECCOX®</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Decoquinate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGA®</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Melengestrol acetate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*AUREO S 700 is approved for the maintenance of weight gain in the face of BRD.

Maximize productivity, health and profitability with on-arrival feed additives.

Healthy cattle perform better from start to finish. They gain pounds more efficiently. They fight disease more effectively. And they add more to your bottom line.

Our feed additives can help you reach your performance goals: whether you’re a stocker, backgrounder, nutritionist or feedyard manager. In short, we help cattle gain more from start to finish.

Don’t waste a single day of healthy performance. Start your cattle off right with feed additives that are the foundation of your starter ration.

For a list of combination approvals and convenient formulations available, visit [CattleFeedAdditives.com](http://CattleFeedAdditives.com). The Feed Additive Solutions product finder will help you find the right solution for your feed additive needs.
**DECCOX®**

Help prevent coccidiosis, a common and costly disease.

- Protect your cattle against coccidiosis caused by *Eimeria bovis* and *E. zuernii*.
- DECCOX® prevents coccidiosis — it can reduce treatment costs and performance losses associated with clinical outbreaks later in the feeding period.
- Subclinical coccidiosis can reduce feed efficiency by increasing energy and nutrient needs to maintain body weight and fight off disease.
- Up to 95% of economic losses from coccidiosis may be due to subclinical disease.

DECCOX is a nonantibiotic feed additive used to help prevent coccidiosis in cattle that often have compromised immune systems. A university study demonstrated that severely stressed feedyard calves fed a 28-day DECCOX starting program began consuming feed sooner than nonmedicated controls.

<table>
<thead>
<tr>
<th>FEED INTAKE</th>
<th>FEED EFFICIENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>↑ 45%</td>
<td>↑ 26%</td>
</tr>
<tr>
<td>IN FIRST 7 DAYS</td>
<td>IN FIRST 28 DAYS</td>
</tr>
</tbody>
</table>

**MGA®**

Get feedyard heifers off to a productive and profitable start.

- MGA® is the only feed additive that suppresses heat in feedlot heifers while improving feed efficiency and increasing weight gain.
- Suppresses estrus (heat) in feedyard heifers, which reduces riding-related injuries and reduces dark cutters.
BOVATEC®

Cattle start gaining sooner because BOVATEC® doesn’t depress feed intake like Rumensin®.

- Confined cattle — improves feed efficiency and weight gain without compromising feed intake
- Pasture cattle — improves average daily gain, regardless of time of year or type of pasture
- Simplifies your starter rations because it doesn’t require a step-up program
- Starting cattle with BOVATEC instead of Rumensin gives you the flexibility to add AUREOMYCIN® to the starter ration for disease control.
- When BOVATEC is fed in combination with AUREOMYCIN, a veterinary feed directive is required.

GROWER-PHASE PERFORMANCE WITH BOVATEC + AUREOMYCIN

<table>
<thead>
<tr>
<th>Metric</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average daily gain</td>
<td>+8.4%</td>
</tr>
<tr>
<td>Dry matter intake</td>
<td>+4.5%</td>
</tr>
<tr>
<td>Feed: gain</td>
<td>-3.8%</td>
</tr>
</tbody>
</table>

PASTURE CATTLE GAIN WITH BOVATEC

<table>
<thead>
<tr>
<th>Metric</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>during first 28 days</td>
<td>+8.9%</td>
</tr>
<tr>
<td>during first 114 days</td>
<td>+11.9%</td>
</tr>
</tbody>
</table>
AUREOMYCIN®

AUREOMYCIN® provides broad-spectrum control of respiratory and enteric diseases when you need it.

- Treats and controls bacterial pneumonia caused by *Pasteurella* species, and treats bacterial enteritis caused by *Escherichia coli* (E. coli)
- AUREOMYCIN as needed — on arrival and throughout the feeding period — to help manage diseases that can negatively impact performance
- AUREOMYCIN is one of the only chlortetracyclines approved as a top dress and for use in free-choice mineral
- **Caution:** Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.

GET MORE FLEXIBILITY AND CONTROL WITH AUREOMYCIN.

AUREOMYCIN is approved for zero-day withdrawal at all dosage levels. It has top-dress approval, as well as being approved for use with BOVATEC® or DECCOX® or in free-choice minerals. With AUREOMYCIN, you get more flexibility to control disease to keep your feedlot cattle performing.
**AUREO S 700®**

Improve your bottom line.

- Helps maintain weight gain in the presence of BRD, giving your calves a little extra help during receiving and other high-stress periods

- Compared with nonmedicated controls, cattle receiving 28 days of AUREO S 700® showed:

  <table>
    <tr><th>BRD morbidity (%)</th><th>Nonmedicated controls</th><th>AUREO S 700</th><th>P-value</th></tr>
    <tr><td>24.82</td><td>18.80</td><td>0.00014</td></tr>
    <tr><td>Respiratory chronics (%)</td><td>1.92</td><td>0.70</td><td>0.0080</td></tr>
    <tr><td>BRD mortality (%)</td><td>0.41</td><td>0.33</td><td>0.5755</td></tr>
  </table>

**Caution:** Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.

**CATTLE FED AUREO S 700 DURING THE FIRST 28 DAYS ON FEED HAD LOWER MORBIDITY, CHRONICS AND MORTALITY THAN NONMEDICATED CONTROLS.**

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See how our portfolio can give you a fast start toward better gains.

Contact your Zoetis representative, nutritionist, feed supplier or veterinarian. To find the right feed additive solution, visit CattleFeedAdditives.com.

Withdraw AUREO S 700® seven (7) days prior to slaughter. Do not use in calves to be processed for veal.

Do not use AUREOMYCIN® in calves to be processed for veal.

Do not use BOVATEC® in calves to be processed for veal. Do not allow horses or other equines access to feeds containing lasalocid, as ingestion may be fatal. Feeding undiluted or mixing errors resulting in excessive concentrations of lasalocid could be fatal to cattle and sheep.

Do not use DECCOX® in cows producing milk for human consumption.


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