

# Ranger® Limiter Technology

## Frequently Asked Questions

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### **What is a limiter?**

A limiter is a product offered to cattle on a free-choice basis that induces them to self-regulate the amount of feed they consume, thus controlling or limiting their feed intake. A limiter product can be a single ingredient or a mix of ingredients that help regulate intake. Factors that enable a limiter to control intake include a complex combination of fill, the product's palatability, chemostatic response, access to the product, and the social and physical environment the cattle are in.

### **What is Ranger® Limiter Technology?**

Ranger Limiter Technology is Cargill's proprietary limiter technology for cattle that helps manage intake. It is available in a wide array of products designed to minimize the labor required to feed cattle to meet a producer's end goals.

### **How does Ranger® Limiter work?**

Ranger Limiter works with your available forage (grass or hay) to self-limit feed intake while filling a specific gap in the cattle's nutritional needs – usually protein and/or energy. Ranger Limiter uses a combination of ingredients, formulation techniques, and manufacturing processes to meet a cattle producer's performance goals for a particular group of cattle.

### **Is limiting intake all that Ranger® Limiter does?**

No. In addition to the intake-limiting product features, it changes the animal's eating behavior, encouraging them to eat smaller, more frequent meals, without overdoing it. This change in eating behavior can help support healthy fiber fermentation in the rumen and lessen the likelihood of acidosis from over-consumption.

### **How do I use Ranger® Limiter?**

Ranger Limiter Technology is designed to be self-fed to cattle of all ages. There are multiple product forms available. Working with your local Nutrena dealer or Cargill beef consultant, we can help you identify the Ranger Limiter product that's right for your cattle, operation, and goals.

### **What are the benefits of feeding Ranger® Limiter?**

Convenience is the number one benefit of feeding Ranger Limiter. Because the product is offered on a free-choice basis, you do not have to spend time or labor hand-feeding or supplementing cattle. Further, you receive the added safety benefit of spending less time physically in the pen with cattle.

Another benefit of Ranger Limiter is that you'll get predictable, efficient performance. It enables you to hold cattle within a targeted average daily gain (ADG) range and reach an achievable end weight goal. You will likely also experience consistent intakes and, generally speaking, cattle on Ranger Limiter will have better rumen health compared to cattle on unlimited feeds. Finally, cattle on Ranger Limiter look good. The ration is designed to promote healthy body condition and help your cattle meet development goals.

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### **Does feeding Ranger® Limiter mean I don't need to check on my cattle anymore?**

No. Though Ranger Limiter saves you time and labor compared to hand-feeding, it still requires good management practices, including checking on the cattle. We recommend that you check on cattle that are being fed Ranger Limiter no less than every two to three days. During this time, monitor the amount of feed in the feeder to ensure cattle do not run out and check for any changes or concerns with the cattle's manure.

### **What equipment do I need to feed Ranger® Limiter?**

Ranger Limiter Technology is designed for use with self-feeders. Make sure there is ample bunk space (at least four inches/head) available and that the sliding feeder door flow is regulated to be opened no more than two inches.

### **What type of cattle is Ranger® Limiter designed for?**

Ranger Limiter can be fed to cattle in most life stages and can be used with both market and breeding animals.

### **Will my cattle eat Ranger® Limiter?**

Even with its limiting characteristics, Ranger Limiter is designed to be palatable. When considering using Ranger Limiter technology, it is important to remember that intake drives performance. Restricting intake also restricts gains. Working with your local Nutrena dealer or Cargill beef consultant, we can help design a ration with Ranger Limiter Technology specific to your performance goals.

### **What different product forms does Ranger® Limiter come in?**

Ranger Limiter Technology is available in three primary product forms – Concentrate, Complete and Complete Creep.

- Ranger® Limiter Concentrate** is intended for operations with mixing capabilities and grain or commodities available. It is a 32 percent crude protein pellet designed to be mixed with grain and byproducts at varying inclusion rates. **Ranger® Limiter Blender Concentrate** is a 26 percent crude protein pellet that works at higher inclusion rates than the 32 percent pellet. **Ranger® Limiter BP Concentrate** is uniquely formulated to work with high inclusion rates of DDGs. All three concentrates offer a complete vitamin and mineral pack.
- Ranger® Limiter Complete** feeds are designed for operations without mixing capabilities, or looking for a complete feed. There are five complete product options and all offer a complete nutrient package.
- Ranger® Limiter Complete Creep** feeds are designed for operations without mixing capabilities, or looking for a creep feed. There are two product options and both offer a complete vitamin and mineral pack for calves.

### **Is Ranger® Limiter just salt?**

No. While salt is an ingredient in Ranger Limiter Technology, it is not the sole or primary ingredient working to limit intake.

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### How is Ranger® Limiter different from competitors?

Ranger Limiter differs from competitors in that it does not rely solely on one ingredient like salt or fish oil to manage intake. The proprietary blend of ingredients and technology is specific to Cargill and cannot be found in competitive products.

### How do I know if Ranger® Limiter will work for my operation?

There are a few questions you need to ask yourself before you consider a Ranger Limiter product:

- 1) Do I have abundant and readily available forage (grass or hay) in the pasture or dry lot?
- 2) Do I have resources to check on cattle at least every few days?
- 3) Do I have or am I willing to invest in self-feeders with at least four inches of bunk space per animal?
- 4) Will I have realistic expectations of the feed if I try it?

If you answered *no* to any of the above, Ranger Limiter might not be right for you. But, if you answered *yes* to all of the above, we would love to visit with you about the product that makes the most sense for your cattle, your operation and your goals.

### Where can I get Ranger® Limiter?

Ranger Limiter is available upon request from your local Nutrena dealer. Contact your local dealer or Cargill beef consultant for more information.

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