

DURATION CONTROL RELEASE NITROGEN

80% complete release range

- Duration CR - Type I - min 30 to max 90 days
- Duration CR - Type III - min 90 to max 120 days
- Duration CR - Type V - min 150 to max 180 days

Product Description

Duration CR is available in five release rates to best meet the needs for your climate and turf season. **Duration CR** has been extensively tested in field trials for both turf and agricultural applications. **Duration CR** consistently stands out amongst the competition. **Duration CR** is tested for quality and release rate before distribution.

Benefits

- **Duration CR: Nitrogen when you need it** Turf managers work hard to maintain the quality and color of their turf. **Duration CR** nitrogen uses the latest scientific advancement in controlled release fertilizer technology, to provide turf professionals with exceptional performance.
- **Duration CR is predictable nutrition** When dealing with controlled release fertilizer, predictability is a necessity. With **Duration CR**, you know exactly what your turf is getting, and when.
- **You get:** • Greener, healthier turf • Uniform, consistent release of nutrients • Reliable product longevity • Controlled, uniform turf color and growth • Minimal growth flushes **Duration CR** takes the worry out of maintaining healthy turf. This is due to the patented polymer coating that releases nitrogen in a predictable pattern. The same pattern that regulates turf demand for nitrogen. Unlike other controlled release fertilizers, the release rate of nutrient from **Duration CR** is predictable.

How it works



Duration CR's innovative polymer membrane surrounds the fertilizer granule for both controlled and predictable release. Once applied, this unique membrane selectively allows soil moisture to diffuse through the coating, gradually dissolving the urea fertilizer. At this time, the urea nitrogen liquefies, yet it remains encapsulated by the polymer membrane. The urea nitrogen solution then passes through the membrane in a predictable manner, which matches the nutrient demand of the turf.

Duration CR has been subjected to extensive testing to evaluate the performance of the coating. As well, in order to consistently release nitrogen, a coating has to be able to withstand normal handling.

Laboratory testing has proven that **Duration CR** can easily withstand normal handling and abrasions.

Manufacturing Process

The production of **Duration CR** revolves around the "in-situ" reaction of polymers over the top of each individual urea granule. The polymer is applied in a single continuous layer, regardless of the thickness of the coating. This is crucial for a uniform, top-quality product. This unique polymer is only one of the tools that makes Agrium's **Duration CR** effective. The manufacturing process also holds many advantages. Unlike many other manufacturers, Agrium encapsulates the urea at the production source - it is one of the largest and more efficient urea production facilities in the world. In so doing, Agrium ensures that only the highest quality urea granules are used to produce **Duration CR**. For turf managers, this means a predictable, reliable product, that stands up to the rigors of handling.

FrickServices, Inc.

3154 W. Depot St. - Wawaka, IN 46794

Pro Ap Products Service Distribution Center
760 Heartland Drive, unit #3
Sugar Grove, IL 60554
630-768-7227

Marketing Agent
Tim Kehoe Group, Inc.
Phone: 630-768-7227
Email: timkehoe@proapfertilizer.com