



| For Forage and Pasture Crops |

Plant Growth Stimulator for Forage Crops and Pastures

RyzUp SmartGrass[®] PGR is a naturally occurring plant growth regulator that promotes growth, maintains quality and improves forage yields when cool temperatures limit natural plant growth. *RyzUp SmartGrass* is ideal for use on cool season perennial grasses and winter annual forage crops grown in conventional or organic operations.

- Spring: promotes growth for earlier grazing and hay cutting
- Fall: extends the grazing season and boosts fall stockpiling
- Winter: faster establishment and shorter rotational periods for winter annuals
- Use on forage crops grown for pasture, hay and silage production
- Approved for conventional or organic dairy, beef, equine, sheep and goat operations

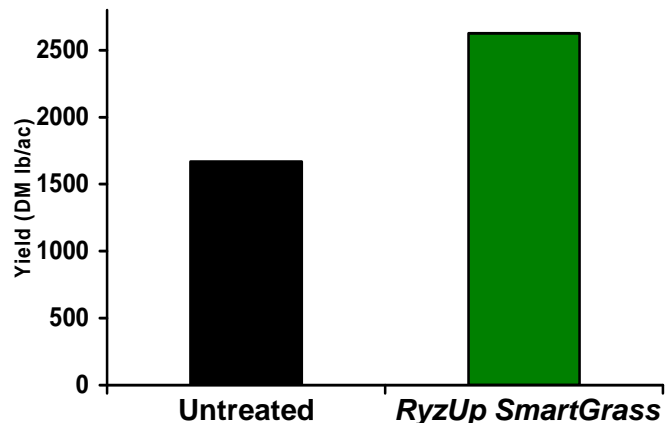
Visual Effect of *RyzUp SmartGrass*
Tall Fescue Pasture
Hardin County, KY – April 16th



Untreated ***RyzUp SmartGrass***

Applied: Mar 19th

Yield Increase with *RyzUp SmartGrass*
Tall Fescue (MAXQ[®]) Pasture
Morgan County, GA



Applied: Nov 4th, Harvested: Dec 6th
60 lb N/ac applied to both treatments



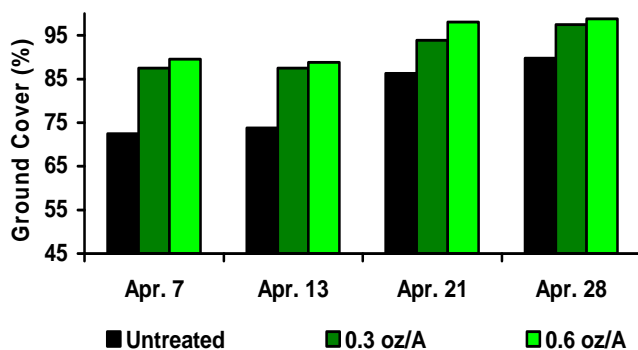
How To Use

Rate	0.3 – 1.0 oz per acre. Use higher rates when temperatures are < 45°F
Timing	Apply in late winter/early spring and mid fall when grass growth is limited by cool temperatures. Growth of cool season grasses slows down when average daily temperatures are between 40 – 65°F. Spring: Apply at “green up” once grass breaks dormancy and new shoot growth starts to emerge, typically from late February to late March in the Southern US. Fall: Apply to forages following grazing or cutting when grass regrowth is limited due to cool weather conditions, typically from early October to early November in the Southern US.
Method	Foliar spray – use flat fan or hollow cone nozzles
Spray volume	10 to 20 gallons/acre
Application tips	Grass should be short (< 6”) at the time of application. Grass must not be dormant and should have sufficient green foliage for uptake to occur.
Adjuvant	Non-ionic surfactant; for tall fescue pastures a crop oil is suggested

Other Important Information

- For best results, moisture levels and fertility must be adequate for pasture growth
- Treatment response will diminish when:
 - Average daily temperatures favor natural pasture growth e.g., > 65°F
 - Maximum physiological growth/biomass has already occurred
 - Grass is subjected to drought stress conditions
- Foliage may appear lighter green in color due to accelerated growth rates following application. This does not affect grass nutritional quality or mineral content.

Effect of RyzUp SmartGrass on Grass Density
Tall Fescue, Halifax County, VA



Visual Effect of RyzUp SmartGrass
Carroll County, GA



RyzUp SmartGrass

Untreated



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RyzUp SmartGrass is NOP-compliant and OMRI-listed for organic production.