



| For Winter Annual Pastures |

## Plant Growth Stimulator for Winter Annuals

**RyzUp SmartGrass® PGR** stimulates grass growth during winter months when growth is normally limited by cold temperatures. This proven technology allows for shorter rotational periods and greater yields of high quality forage during cool weather conditions.

- For use on all winter annual grass species such as cereal rye and ryegrass
- Farm-friendly formulation may be use in organic operations
- Effective in both over-seeded and prepared seedbed production systems
- Increases carrying capacity and reduces the need for supplemental feeding
- Keeps winter annual grasses productive all winter long – no more feed gaps!
- Shortens rotational periods in winter to as few as 30 days
- For use in all grass based pasture systems including dairy, beef, equine, sheep and goat operations

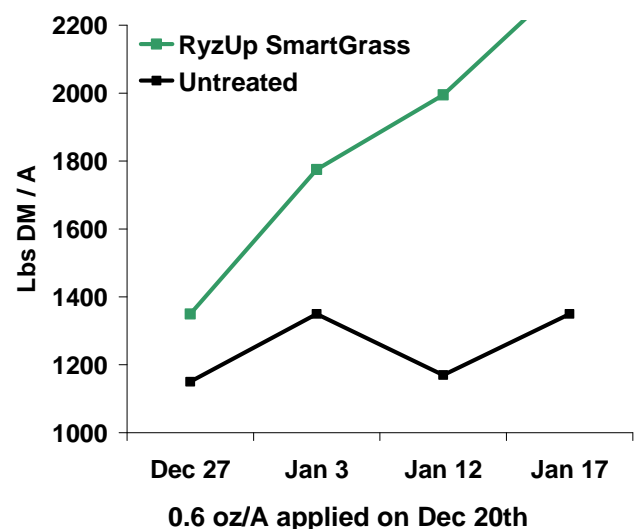
**Growth Effect of *RyzUp SmartGrass*  
Rye/Annual Ryegrass Mix  
Louisville, GA, Jan 4<sup>th</sup>**



***RyzUp SmartGrass***

**Untreated**

**Dry Matter Increase: *RyzUp SmartGrass*  
Rye/Annual Ryegrass Mix – Louisville, GA**





## How To Use

<b>Rate</b>	0.3 – 1.0 oz per acre, use higher rates when average temperatures are predicted to be below 40°F for several days following application
<b>Timing</b>	Apply from late fall through early spring or any time growth is limited due to cool temperatures. Best results occur when average daily temperatures are between 35 – 65°F. Some green foliage must be present for leaf uptake.
<b>Growth stage</b>	Apply to newly seeded pastures only after 3 – 4” of new growth is formed and the root system is adequately developed. To rejuvenate growth after grazing, remove livestock and apply within 1 to 7 days after the pasture was grazed. Grass should be short at the time of application e.g., less than 6”.
<b>Method</b>	Foliar spray
<b>Spray volume</b>	10 to 20 gallons/acre. Use flat fan or hollow cone nozzles.
<b>Adjuvant</b>	Non-ionic surfactant

## Other Important Information

- For best results moisture levels and fertility must be adequate to sustain pasture growth
- Treatment response will diminish when:
  - Average daily temperatures favor optimal grass growth e.g., > 65°F
  - Maximum physiological growth/biomass has already occurred e.g., > 2000 lbs DM/A
  - Pasture 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.



**RyzUp SmartGrass**                      **Untreated**

Oats, applied Dec 22<sup>nd</sup>, Macon County Georgia  
Photo taken Jan 21<sup>st</sup> - 30 days after application



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