



RyzUp SmartGrass[®] PGR Frequently Asked Questions

What is *RyzUp SmartGrass*?

RyzUp SmartGrass is a sprayable plant growth regulator product for forage crops and pastures that increases dry matter production when cool weather conditions (40 to 65°F) limit growth. By augmenting the natural level of gibberellins in plant tissue, leaves grow longer and faster. This results in increased dry matter and metabolizable energy per acre.

What are the benefits of using *RyzUp SmartGrass*?

- For grazing operations: *RyzUp SmartGrass* improves livestock management and reduces supplemental feed costs by extending the grazing period. *RyzUp SmartGrass* also decreases the resting time required for paddocks to reach optimal grazing height allowing for more frequent paddock rotations and better land utilization.
- For forage growers: *RyzUp SmartGrass* increases forage production under cool conditions, resulting in more hay, silage or green chop at harvest.

What forage crops does *RyzUp SmartGrass* work on?

RyzUp SmartGrass is non-selective and will cause a growth response in most forage crops under the right conditions (appropriate temperature, fertilization, moisture). *RyzUp SmartGrass* has been shown to be effective on a wide variety of forage types including: tall fescue, Kentucky bluegrass, orchardgrass, bromegrass and winter annuals such as annual ryegrass, rye and other cereal grains grown for forage or silage.

When should *RyzUp SmartGrass* be applied?

In general, application of *RyzUp SmartGrass* should be made whenever forage growth is limited due to cold weather conditions (average daily temperature is between 40 to 65°F).

Does *RyzUp SmartGrass* work under warm conditions?

When average daily temperatures are greater than 65°F, *RyzUp SmartGrass* will not increase forage growth. This is because the plants naturally have sufficient growth promotion in this temperature range.

Can *RyzUp SmartGrass* be tank mixed with fertilizers, herbicides or insecticides?

RyzUp SmartGrass has been applied successfully in combination with liquid fertilizers such as UAN 32. Extensive compatibility testing of *RyzUp SmartGrass* with herbicides and insecticides has not been conducted. If tank mixing is desired, always conduct a jar test first to determine compatibility. If compatible, treat a small plot with the mixture to test for phytotoxicity and performance.

What effect does *RyzUp SmartGrass* have on forage quality?

RyzUp SmartGrass promotes growth with no loss in quality. Extensive testing of treated versus untreated forage show no measurable difference in crude protein, acid detergent fiber or neutral detergent fiber.

What effect does *RyzUp SmartGrass* have on forage color?

It is normal for *RyzUp SmartGrass* treated pastures to take on a lighter appearance (light green as opposed to dark green) soon after application. This change in color is due to a dilution in chlorophyll that takes place in plant tissue as a result of rapid plant growth. This dilution effect does not impact pasture quality and typically disappears within 14-28 days.

Is *RyzUp SmartGrass* listed for organic production?

Yes, *RyzUp SmartGrass* meets NOP (National Organic Program) and OMRI (Organic Materials Review Institute) standards for organic production.



How should *RyzUp SmartGrass* be applied to forage crops?

Apply 0.3 to 1.0 oz of formulated *RyzUp SmartGrass* in 10 to 20 gallons of water per acre using a conventional ground boom sprayer. Boom sprayers can be mounted on tractors, gators or UTV's for small paddock applications.

How soon after application will *RyzUp SmartGrass* show a visual effect?

Typically the growth promoting effect of *RyzUp SmartGrass* can be seen within 7 to 10 days after application and the growth response will last about 28 days.

How soon after application can grazing begin on treated pastures?

For best results, treated forage should be allowed to reach its optimal production capacity before grazing. In most cases, maximum dry matter production is achieved within three to four weeks after application. There is no preharvest interval (PHI) for *RyzUp SmartGrass*; therefore technically grazing can begin immediately after application.

Can *RyzUp SmartGrass* be applied multiple times?

Yes, especially when winter weather is cool and mild. *RyzUp SmartGrass* can be applied at 3-4 week intervals.

How soon after pasture establishment can *RyzUp SmartGrass* be applied?

Pastures need sufficient roots to sustain the additional vegetative growth that will occur with use of *RyzUp SmartGrass*. Typically this means perennial pastures should not be treated during the first season after planting. Winter annuals should be established and well rooted prior to application. Do not apply to grass in the seedling stage.

Does *RyzUp SmartGrass* contain fertilizer or need fertilizer to work?

RyzUp SmartGrass does not contain fertilizer. However, for optimal performance *RyzUp SmartGrass* should be used on pastures where both nutrition and water are not limited. Use of *RyzUp SmartGrass* in a nitrogen based fertilizer program has shown dramatic improvements in pasture growth beyond the nitrogen effect alone.

What adjuvant is best to use with *RyzUp SmartGrass*?

For best results, apply with a non-ionic surfactant.

To what extent has *RyzUp SmartGrass* been tested in the field?

Field testing of *RyzUp SmartGrass* has been ongoing since 2003. As a result of the outstanding results in pasture and forage globally, *RyzUp SmartGrass* is available in Australia, New Zealand, Chile and the US.

Can *RyzUp SmartGrass* cause phytotoxicity to forage crops?

When used as labeled *RyzUp SmartGrass* is not phytotoxic to forages.

Are there any toxicity concerns for livestock feeding on treated forage?

No, there are no known toxicity or residue issues with *RyzUp SmartGrass*.

What livestock operations benefit from *RyzUp SmartGrass*?

All pasture-based livestock systems including dairy, beef, sheep, equine and goat operations can benefit from using *RyzUp SmartGrass*.



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