

SmartGrass

A water-soluble granule formulation containing 400 g per kg gibberellic acid (GA3).

A plant growth regulator to increase production of rotational and permanent grassland at the start of spring.

PRODUCT BENEFITS

- Speeds up early grass growth in the spring.
- Maximises value from early turn out.
- Trials have shown increased grass production of 500+ kg/DM in 21 days.

Pack size: 20 grammes

Storage: STORE IN A COOL DRY PLACE

IMPORTANT INFORMATION

FOR USE AS A PLANT GROWTH REGULATOR.

Crop	Maximum individual dose	Maximum total dose	Latest time of application
Grassland	20 g/ha	20 g/ha/year	Before 1 May in year of application

Other specific restriction:

- Livestock must be kept out of treated areas for at least 14 days after treatment.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

MAPP 15628

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

SMARTGRASS contains 400 g/kg of gibberellic acid (GA3) in a formulation designed to enable users to prepare spray solutions easily. Gibberellic acid is a naturally occurring plant growth hormone which can increase cell size and numbers resulting in increased growth. Applied to grassland where an enhancement of growth is required at the start of spring, it can increase the growth rate for several weeks to enable an earlier use of grassland. When grass growth rates are naturally high, there will be little additional benefit from treatment.

Crop Specific Information

SMARTGRASS can be applied to established rotational and permanent agricultural grassland where an enhancement of growth is required at the start of spring to advance the growing season when growth is restricted by cool temperatures. Grass growth should not be restricted by lack of moisture or nutrition, or by disease or pests. Grass foliage should be green and in a condition which is receptive to foliar treatment.

SMARTGRASS is non-selective and growth enhancement will also be seen with other species present, e.g. Clover or some weed species e.g. Dock.

Enhanced growth may sometimes exhibit a transient paler green colour but this will not affect grass feed quality.

Timing

Applications can be made in the spring during March and April. SMARTGRASS should be applied when day length and temperatures are increasing, and the daily temperature is greater than 5°C creating conditions suitable for growth. Avoid periods of prolonged frost.

Applications made under slow drying conditions will aid absorption and effectiveness.

Dose

Apply SMARTGRASS at 20 g/ha in a minimum of 200 litres water per hectare. For best results, the water pH should be around 7.0 and always below 8.5.

MIXING AND SPRAYING

Apply in a sufficient amount of water to ensure adequate coverage of the target crop without excessive run-off. SMARTGRASS solutions should be freshly prepared for use and applied soon after mixing. Part-fill the spray tank with clean water and begin agitation. Add the required amount of SMARTGRASS and then top up with clean water as required. Maintain agitation throughout spraying. Apply as a MEDIUM spray as defined by BCPC.

Restrictions and Warnings

- Avoid spray drift.
- Do not use on crops grown for seed production.
- Do not apply after April.
- Do not apply if rain is forecast.
- Do not apply if a period of very cold weather is expected.
- Do not use SMARTGRASS if crops are suffering from drought, disease, pests, low fertility or other stress factors which might reduce potential growth.

The response to an application of SMARTGRASS will vary according to species. Therefore the benefit of enhanced growth will not be the same for all swards.

Weed species in the sward will also be stimulated from treatment with SMARTGRASS. Growers should not use this product where there are high populations of weed species present.

The effect on the feed quality of silage made from grass treated with SMARTGRASS is unknown.

The medium and long term effects on yield and sward composition of grassland treated with SMARTGRASS are unknown.

SMARTGRASS® is a registered trademark of Valent BioSciences Corporation

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A water soluble granule containing 400 g/kg gibberellic acid.



Danger

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Wear suitable gloves and eye/face protection.

Do not breathe spray.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This material and its container must be disposed of in a safe way.

Use appropriate containment to avoid environmental contamination.

To avoid risks to human health and the environment, comply with the instructions for use.

SAFETY PRECAUTIONS

Operator protection

WHEN USING DO NOT EAT DRINK OR SMOKE.

DO NOT BREATHE SPRAY.

WASH HANDS before meals and after work.

WASH substance from skin and eyes immediately.

Environmental protection

Do not contaminate water with the product or its container.

Do not clean application equipment near surface water.

Avoid contamination via drains from farmyards and roads.

On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely.

Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS.

EMPTY CONTAINER COMPLETELY and dispose of safely.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

STORE IN A COOL, DRY PLACE.