

NutriFibre Crop Management Manual



GRASS TECHNOLOGY, BY BARENBRUG

For the best results, GreenSpirit NutriFibre fields with NutriFibre technology should be managed differently from other ryegrass fields.

Therefore, the instructions stated below related to field preparation, right soil type, optimal fertilising and correct harvesting methods contribute to a high forage yield. This NutriFibre crop management manual provides you with the necessary information to get the most out of your NutriFibre grass.

1



Field requirements

Weed pressure	Select field with low weed pressure or make use of a false seed bed
Soil structure	Loosen up deep soil levels because the roots must be able to grow deep
Seedbed	Prepare a fine and firm seedbed

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Sowing

Sowing period	March/April and August/September
Soil temperature	>12C
Seed rate*	50-60 kg/ha
Sowing depth	0.5 - 1.5 cm
Row distance	< 8 cm

(*If no clovers are included in the mixture, 6-8 kg of red clover or 2-3 kg of white clover can be added.)

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Establishment

Time to establish	NutriFibre establish slow since it first builds a deep root system, contributing to excellent drought tolerance
Management after sowing (1)	Spray broad-leaved weeds when grasses are >5 cm.
Management after sowing (2)	Don't apply slurry or animal manure in the period between sowing and the 1st cut.
First cut after sowing	Harvest the 1st cut after sowing when grass is not higher than 15 cm.
Autumn maintenance	The optimal stubble length of 9-10 cm grass height should be reached before winter.

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Fertilization (recommendations per cut per hectare*)

Nitrogen (N)	90 kg
Phosphate (PO ₄)	30 kg
Potassium (K ₂ O)	96 kg
Magnesium Oxide (MgO)	10-28 kg
Calcium Carbonate (CaCO ₃)	320 kg per year

(*The exact amounts depend on country and soil type. Analyse the soil to set up a fertilizer plan.)

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Yield*

Dry matter yield first year	2-12 ton DM/ha
Dry matter yield from its second year onwards	Up to 18 ton DM/ha

(*depending on management and fertilization)

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Harvesting

Moment of harvest	3000-3500 kg DM/ha
Cutting height	> 8 cm
Cutting interval	4-5 weeks
Field period	NutriFibre needs drying time than perennial rye grass. Cut the NutriFibre fields at last and start collecting them at first.
Making silage	<30-35 % dry matter at least to prevent molding
Inoculants	Use silage inoculants for optimal conservation