



Green Spirit®

Italian Ryegrass Blend



Multiple Manure Applications



Superior Forage Quality

Key features

- High dry-matter production
- Harvest 4-5 times per season
- Unlikely to go to seed during the first year with proper management

Seeding and Maintenance Rate:

Seeding rate:	30-40lbs/acre
Planted as a nurse crop:	2-5lbs/acre
Plant Depth	<1/4 inch
Interseeded in alfalfa:	15-20lbs/acre

Green Spirit® is the perfect blend of diploid and tetraploid Italian ryegrasses that provide exceptional high-quality forage. Combining tetraploid and diploid varieties maximizes the advantages each has to offer. Our tetraploid varieties provide high dry-matter production and improved palatability. Our diploid varieties are added for better persistence to traffic tolerance and disease resistance.

To ensure you receive true Italian cultivars instead of annual, Green Spirit® offers the best genetic purity on the market. A true Italian ryegrass needs a period of cold temperatures to vernalize, and once vernalized, the plant can produce seed heads. In the northern US, Green Spirit® can be planted in the spring and most plants will stay vegetative until it has vernalized the following winter resulting in the highest quality feed. In the southern US, Green Spirit® is usually planted in the fall and harvested until temperatures rise in summer.

Technical Information

Interseeding Into Winter-Killed Alfalfa

A very popular use of Green Spirit® is to inter-seed it (via no-till drill) into winter killed alfalfa or thinning pastures. Green Spirit® added into either a hay field or pasture will raise the forage quality while increasing the overall DM yield. It is recommended that seeding take place as early as possible after the last hard frost. The seeding rate of Green Spirit® is generally 10 – 15 lbs. per acre but can vary according to degree of winter kill or thinning.

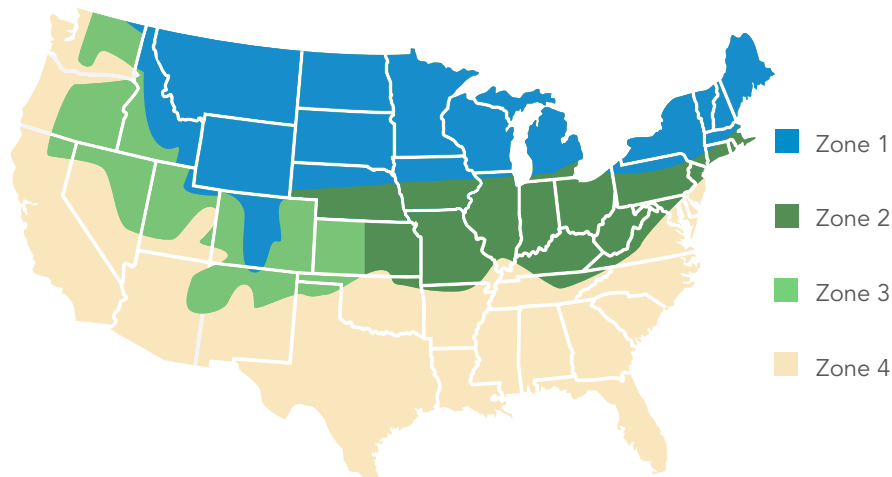
Covergraze Mixes

Because of Green Spirit®'s extensive fibrous root system that feeds beneficial soil microbes and attracts earth worms, Green Spirit® is an excellent component of any cover crop mix. Covergraze mixes are excellent options for fall and early winter grazing but can easily be utilized other times of year by adjusting planting date and species accordingly. Generally, plan to plant 60 – 75 days ahead of targeted grazing date. Many Barenbrug distributors/dealers have regional specific mixes featuring Barenbrug products. For more information, consult your Barenbrug representative.

Trial Data and Specifics

Adaptation of Green Spirit® in Different Climates

- Zone 1: Best when spring planted and managed as an annual.
- Zone 2 & 3: Can be spring or fall planted.
- Zone 4: Best when planted in the fall and managed over the winter until summer.



Forage Quality of Green Spirit® Compared to Conventional Rotation Crops

YEAR 1	PROTEIN %DM	NDF %DM	NDFd %NDF	LBS MILK/TON
Green Spirit®: 25 day cut	23.8	45.7	73.3	3,370
Green Spirit®: 35 day cut	22.4	47.4	73.7	3,410
Alfalfa	24.1	33.2	49.4	3,252
Soybean	-	-	-	-
Corn Silage	7.0	46.8	53.8	3,309
LSD	0.6	0.8	1.6	59

YEAR 2	PROTEIN %DM	NDF %DM	NDFd %NDF	LBS MILK/TON
Green Spirit®: 25 day cut	21.7	43.9	77.0	3,615
Green Spirit®: 35 day cut	16.9	46.8	71.7	3,468
Alfalfa	27.1	26.7	59.9	3,975
Soybean	18.9	36.6	55.4	3,597
Corn Silage	7.0	48.3	59.9	3,249
LSD	0.4	1.5	1.9	46

University of Wisconsin, Arlington Research Station

Effect of Green Spirit® on the proceeding years corn silage yield compared against conventional rotation crops

	YIELD (YEAR 1)	CORN SILAGE YIELD (YEAR 2)
Green Spirit®: 25 day cut	8.1*	10.2
Green Spirit®: 35 day cut	8.7	10.2
Alfalfa	4.5	9.3
Soybean	3.8	8.8
Corn Silage	10.5	7.8

*Ton DM/Acre

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