



# SF 101 COVER STARTER



COMPACTION ALLEVIATION



WEED SUPPRESSION



BIOMASS PRODUCTION

Soil First<sup>®</sup>  
PREMIUM  
COVER CROP SEED

- Meets the objectives of nutrient scavenging, erosion control, weed suppression & soil building
- Perfect for the first time cover cropper; radish winterkills in many regions & cereal rye is fairly easy to control
- Works well in multiple parts of the country & in marginal soil environments
- Ideal after silage harvest or before/after fall manure applications

Soil First<sup>®</sup> 101 Cover Starter cover crop mix is a simple and practical, low-risk option for both early adopters and growers looking for more flexibility.

91% **GUARDIAN<sup>®</sup> WINTER RYE**  
9% **TILLAGE RADISH<sup>®</sup>**



▶▶▶ **NITROGEN FIXER OR SCAVENGER?:** Scavenger

## SEEDING INFORMATION

		LBS/ACRE*
<b>MONO*</b>	30 - 35	<b>SEEDS/LB</b> ◦
<b>MIX*</b>	◦	<b>BULK DENSITY AVG</b> 48 lbs/ft <sup>3</sup>
<b>FORAGE*</b>	40 - 50	<b>GERM SOIL TEMP</b> 45° F
<b>AERIAL APPLICATION*</b>	30 - 40	<b>DAYS TO EMERGENCE</b> Varies
<b>SEEDING DEPTH (IN)</b>	1/4 - 1	<b>CARBON/NITROGEN RATIO</b> ◦

**NUTRITIONAL VALUE:** Varies greatly depending on maturity

<b>NEL<sup>1</sup> MCAL/LB</b>	Nutrition values vary due to differences in forage quality of the mix components & differences in how & when each component is harvested (grazed versus baleage)	<b>CRUDE PROTEIN</b>	10 - 13
<b>ADF%<sup>2</sup></b>		<b>DM TONS/ACRE</b>	2 - 5
<b>NDF%<sup>3</sup></b>		<b>DAYS TO FIRST HARVEST</b>	45 - 50
<b>TDN</b>		<b>DAYS TO NEXT HARVEST</b>	Spring

**GRAZE:** +++ | **BALEAGE:** + | **CHOP:** ++      + Some Benefit | ++ More Benefit | +++ Best Benefit

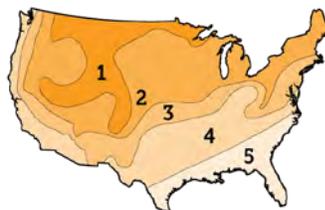
<sup>1</sup>- Net Energy for Lactation = Energy available after subtracting digestive and metabolic losses  
<sup>2</sup>- Acid Detergent Fiber = Low values mean more digestible  
<sup>3</sup>- Neutral Detergent Fiber = Low values mean cows can eat more

## CONSIDERATIONS

When seeded early in summer, additional grains or grass will need to be added to compete against radish growth. Rye can tie up nitrogen and other nutrients. Controlling rye early results in less nutrient tie-up and conserves more water.

## PLANTING WINDOW

- 1 NO LATER THAN AUGUST 15
- 2 NO LATER THAN AUGUST 25
- 3 NO LATER THAN SEPTEMBER 5
- 4 NO LATER THAN SEPTEMBER 15
- 5 NO LATER THAN OCTOBER 1



## BENEFITS (1 = POOR, 5 = EXCELLENT)

COMPACTION ALLEVIATION	5
WEED SUPPRESSION	5
BIOMASS PRODUCTION	5
EROSION CONTROL	4
DISEASE/PEST CONTROL	3
POLLINATOR/BENEFICIALS	2
P & K CYCLING	4
EASE OF ESTABLISHMENT	4

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