



SF 102 COVER STARTER +



COMPACTION ALLEVIATION



WEED SUPPRESSION



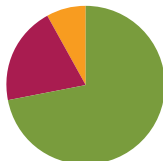
EROSION CONTROL

Soil First[®]
PREMIUM
COVER CROP SEED

- SF 102 Cover Starter+ cover crop mix is SF 101 with the addition of crimson clover, fixing nitrogen for grass cash crops
- Crimson clover is fairly quick to establish, adding biomass and additional root structure
- Crimson clover allows entire seed mix to decompose quicker, conserve water & decrease nitrogen immobilization
- Nitrogen is maximized at clover flowering, however spring management will need to be considered

Soil First[®] 102 Cover Starter+ cover crop mix builds nitrogen and root mass while improving soil tilth and biomass potential.

72%	GUARDIAN [®] WINTER RYE
20%	CRIMSON CLOVER
8%	TILLAGE RADISH [®]



►►► NITROGEN FIXER OR SCAVENGER?: Both

SEEDING INFORMATION

			LBS/ACRE*
MONO*	30 - 35	SEEDS/LB	○
MIX*	○	BULK DENSITY AVG	54 lbs/ft ³
FORAGE*	40 - 50	GERM SOIL TEMP	45° F
AERIAL APPLICATION*	30 - 40	DAYS TO EMERGENCE	Varies
SEEDING DEPTH (IN)	1/4 - 1	CARBON/NITROGEN RATIO	○

NUTRITIONAL VALUE: Varies greatly depending on maturity

NEL ¹ MCAL/LB	Nutrition values vary due to differences in forage quality of the mix components & differences in how & when each component is harvested (grazed versus baleage)	CRUDE PROTEIN	12 - 15
ADF% ²		DM TONS / ACRE	2 - 5
NDF% ³		DAYS TO FIRST HARVEST	45 - 50
TDN		DAYS TO NEXT HARVEST	Spring

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

¹- Net Energy for Lactation = Energy available after subtracting digestive and metabolic losses

²- Acid Detergent Fiber = Low values mean more digestible

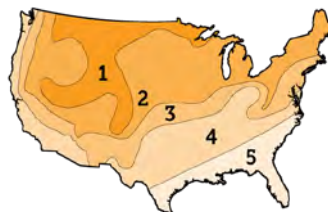
³- Neutral Detergent Fiber = Low values mean cows can eat more

CONSIDERATIONS

When seeded in early summer, additional grains or grass should 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. Crimson clover may attract voles and may need terminating even earlier to decrease the residue.

PLANTING WINDOW

- NO LATER THAN AUGUST 15
- NO LATER THAN AUGUST 25
- NO LATER THAN SEPTEMBER 5
- NO LATER THAN SEPTEMBER 15
- NO LATER THAN OCTOBER 1



BENEFITS (1 = POOR, 5 = EXCELLENT)

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

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