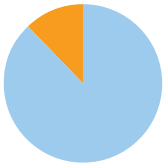
SF 160 ROOTING

P & K CYCLING | EROSION CONTROL | COMPACTION ALLEVIATION

- **Best combination of species for breaking up hard pans & holding onto leftover nutrients**
- **Flexible seed mix to use in front of corn, soybeans, & many other cash crops**
- **Works well with fall manure applications; annual ryegrass is fairly tolerant to salt differences in manure**
- **Annual ryegrass justifies spring management planning in areas where it's known to overwinter**

Soil First® 160 Rooting cover crop mix is a sensible blend of radish and ryegrass developed for maximizing root mass and capturing nutrients.

88%	COLDSNAP™ ANNUAL RYEGRASS
12%	TILLAGE RADISH®



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

SEEDING INFORMATION

			LBS/ACRE*
MONO*	15 - 20	**SEEDS/LB**	◦
MIX*	◦	**BULK DENSITY AVG**	50 lbs/ft^3
FORAGE*	20 - 25	**GERM SOIL TEMP**	45° F
AERIAL APPLICATION*	20 - 25	**DAYS TO EMERGENCE**	Varies
SEEDING DEPTH (IN)	1/4 - 1/2	**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**	10 - 14
ADF%[2]		**DM TONS/ACRE**	2 - 4
NDF%[3]		**DAYS TO FIRST HARVEST**	45 - 50
TDN		**DAYS TO NEXT HARVEST**	Spring

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

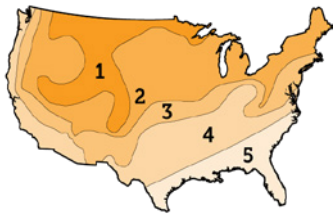
[1]- Net Energy for Lactation = Energy available after subtracting digestive and metabolic losses
[2]- Acid Detergent Fiber = Low values mean more digestible
[3]- Neutral Detergent Fiber = Low values mean cows can eat more

CONSIDERATIONS

Any time annual ryegrass is used, spring management has to be a main priority. Keep ryegrass from going to seed at all costs. Annual ryegrass not terminated can have adverse effects on any subsequent grass crops. The use of ryegrass blends have given ryegrass a bad reputation – make sure it is a single, respected variety. Multiple maturities make control even more complex.

PLANTING WINDOW

1. NO LATER THAN AUGUST 20
2. NO LATER THAN SEPTEMBER 1
3. NO LATER THAN SEPTEMBER 10
4. NO LATER THAN SEPTEMBER 20
5. NO LATER THAN OCTOBER 1



BENEFITS (1 = POOR, 5 = EXCELLENT)

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

ONLINE RESOURCES **FIND MORE MANAGEMENT INFORMATION @ SOIL1ST.COM**

Soil First® PREMIUM COVER CROP SEED

Brought to you by LA CROSSE SEED
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