

VILLANA WINTER HAIRY VETCH



BIOMASS
PRODUCTION



POLLINATOR
BENEFIT



NITROGEN
FIXER

Soil First[®]
PREMIUM
COVER CROP SEED

- Strong nitrogen fixing and high biomass potential
- Great to recharge soils during winter by reducing runoff (more water enters the soil profile through pores created by the vetch residue)
- Phosphorus scavenger
- Heavy mulch layer provides excellent weed suppression and erosion prevention
- Excellent option to plant with cereal grain (helps with spring control too)

Villana winter hairy vetch cover crop legume is a vigorous crop used for fixing nitrogen, biomass production and enhancing organic matter. Winter hairy vetch is an excellent choice for green manure as its low carbon to nitrogen ratio (C:N) allows for quick plant decay and even quicker capture of organic material and nutrients in the soil profile. Winter hairy vetch cover crop legume tends to be very tolerant of variable soil conditions, including low fertility environments. Winter hairy vetch cover crop legume will overwinter in many areas of the country (USDA Zone 3-4) withstanding temperatures down to -25 to -30 F, especially where snow is likely.

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

SEEDING INFORMATION

			LBS/ACRE*
MONO*	15 - 30	SEEDS/LB	16,000
MIX*	10 - 20	BULK DENSITY AVG	52 lbs/ft ³
FORAGE*	30 - 40	GERM SOIL TEMP	60° F
AERIAL APPLICATION*	NR	DAYS TO EMERGENCE	14
SEEDING DEPTH (IN)	1	CARBON/NITROGEN RATIO	10:1 - 15:1

NUTRITIONAL VALUE: Varies greatly depending on maturity

NEL¹ MCAL/LB	.58	CRUDE PROTEIN	26
ADF%²	33	DM TONS/ACRE	1 - 3
NDF%³	48	DAYS TO FIRST HARVEST	Spring
TDN	64	DAYS TO NEXT HARVEST	◦

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

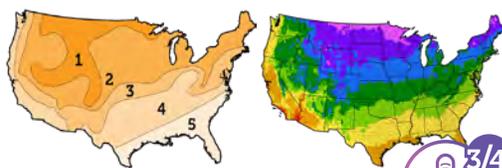
³- Neutral Detergent Fiber = Low values mean cows can eat more

CONSIDERATIONS

- Slow to establish
- Prefers soil pH 5.5 - 7.5
- Little forage value (seeds and vegetation can be harmful if not managed)
- Glyphosate alone doesn't work well for control (close mowing or light disc will offer spring control)
- Without proper management, it has potential to become weed (high hard seed %)
- Keep off poorly drained sites to aid in spring termination and water conservation
- Research shows potential correlation between winter hairy vetch and increased soybean cyst nematode/ root knot nematode populations

PLANTING WINDOW

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



HARDINESS ZONE

BENEFITS (1 = POOR, 5 = EXCELLENT)

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

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