

Morrison Soil & Water Conservation District

COVER CROP INCENTIVE PROGRAM



MORRISON
SOIL & WATER

- Landowners can enroll a minimum of five acres and a maximum of 75 acres
- Contracts are limited to a one-time cost-share payment on a per acre basis
- Contracts can include interseeding and/or post-harvest cover
- Producers are not limited to one type of mix and can choose a variety of mixes on their acres
- A maximum payment of \$7,000 will be rewarded
- Payment rates include:
 - 1-2 species- \$20/acre
 - 3 species- \$30/acre
 - 4+ species- \$40/acre
- Cover Crops must not be tilled in the fall and must be terminated via winterkill or in the spring
- Cover Crops cannot be harvested as a grain or oilseed crop
- Cover Crops can be used as forage including dry hay, haylage, and for graze
- Payments will be issued upon verification

Cover crops reduce soil erosion, limit nitrogen leaching, suppress weeds, increase soil organic matter and improve overall soil quality. Cover crops increase surface cover, anchor corn and soybean residues, increase water infiltration and reduce erosion. In addition to the environmental and soil quality benefits, several cover crops may be used for grazing forage for livestock & wildlife. (NRCS)



Table 1

Common Cover Crops Recommended for Planting in Minnesota

SPECIES	FULL SEEDING RATES			CROP TYPE	SEEDING DATES	
	¹ Minimum Seeding Rate in lbs./ac PLS (Incorporated Seed)	² Minimum Seeding Rate in lbs./ac PLS (Non- Incorporated Seed)	PLANTING DEPTH (inches)		NORTH OF INTERSTATE 94	SOUTH OF INTERSTATE 94
GRASSES						
SPRING BARLEY*	50 lbs/acre PLS	75 lbs/acre PLS	0.75-1.5	CG	April 15-September 15	April 1-October 1
WINTER BARLEY	50 lbs/acre PLS	75 lbs/acre PLS	0.75-1.5	CG	July 15-October 15	July 15-November 1
OATS*	30 lbs/acre PLS	45 lbs/acre PLS	0.5-1	CG	April 15-September 15	April 1-October 1
ANNUAL RYEGRASS	15 lbs/acre PLS	23 lbs/acre PLS	0-0.5	CG	April 15-September 15	April 1-October 1
WINTER CEREAL RYE†	50/55 lbs/acre PLS	75/83 lbs/acre PLS	0.75-1.5	CG	July 15-October 15	July 15-November 1
WINTER TRITICALE	50 lbs/acre PLS	75 lbs/acre PLS	0.75-1.5	CG	July 15-October 15	July 15-November 1
SPRING WHEAT*	50 lbs/acre PLS	75 lbs/acre PLS	0.75-1.5	CG	April 15-September 15	April 1-October 1
WINTER WHEAT	50 lbs/acre PLS	75 lbs/acre PLS	0.75-1.5	CG	July 15-October 15	July 15-November 1
FOXTAIL MILLET ³	20 lbs/acre PLS	30 lbs/acre PLS	0.5-1	WG	June 1-August 1	May 15-September 1
JAPANESE MILLET ³	20 lbs/acre PLS	30 lbs/acre PLS	0.5-0.75	WG	June 1-August 1	May 15-September 1
PEARL MILLET ³	20 lbs/acre PLS	30 lbs/acre PLS	0.5-1	WG	June 1-August 1	May 15-September 1
PROSO MILLET ³	20 lbs/acre PLS	30 lbs/acre PLS	0.5-1	WG	June 1-August 1	May 15-September 1
SORGHUM- SUDANGRASS ³	25 lbs/acre PLS	38 lbs/acre PLS	0.5-1.5	WG	June 1-August 1	May 15-September 1
SUDANGRASS ³	25 lbs/acre PLS	38 lbs/acre PLS	0.5-1	WG	June 1-August 1	May 15-September 1
NON-LEGUME BROADLEAVES⁵						
BEETS (Non GMO)	3 lbs/acre PLS	5 lbs/acre PLS	0.25-0.5	CB	April 15-September 15	April 1-October 1
CABBAGE	5 lbs/acre PLS	8 lbs/acre PLS	0.25-0.5	CB	April 15-September 15	April 1-October 1
FLAX ³	30 lbs/acre PLS	45 lbs/acre PLS	0.25-0.75	CB	July 15-September 1	July 15-September 15
KALE	3 lbs/acre PLS	5 lbs/acre PLS	0.25-0.5	CB	April 15-September 15	April 1-October 1
MUSTARD ³	4 lbs/acre PLS	6 lbs/acre PLS	0.25-0.75	CB	April 15-September 15	April 1-October 1
PHACELIA	5 lbs/acre PLS	8 lbs/acre PLS	0.12-0.25	CB	April 15-September 15	April 1-October 1
RADISH	4 lbs/acre PLS	6 lbs/acre PLS	0.5-0.75	CB	April 15-September 15	April 1-October 1
RAPESEED/CANOLA	2 lbs/acre PLS	3 lbs/acre PLS	0.25-0.5	CB	April 15-September 15	April 1-October 1
TURNIP	1 lb/acre PLS	2 lbs/acre PLS	0.25-0.5	CB	April 15-September 15	April 1-October 1
WINTER CAMELINA	3 lbs/acre PLS	5 lbs/acre PLS	0.12-0.25	CB	July 15-October 15	July 15-November 1
BUCKWHEAT 1/ ³	45 lbs/acre PLS	68 lbs/acre PLS	0.5-1	WB	June 15-August 15	June 1-September 1
SAFFLOWER	25 lbs/acre PLS	38 lbs/acre PLS	1-1.5	WB	April 15-August 1	April 15-August 1
SUNFLOWER	1 lb/acre PLS	2 lbs/acre PLS	1-3.5	WB	June 1-August 1	June 1-August 1
LEGUMES⁵						
ALFALFA ³	12 lbs/acre PLS	18 lbs/acre PLS	0.25-0.5	CB	April 15-September 1	April 1-September 15

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LEGUMES ⁵ (continued)						
CHICKPEA	80 lbs/acre PLS	120 lbs/acre PLS	0.25-0.5	CB	June 1-September 1	May 15-September 15
BALANSA CLOVER	5 lbs/acre PLS	8 lbs/acre PLS	0.25-0.5	CB	May 15-September 1	May 1-September 15
BERSEEM CLOVER	8 lbs/acre PLS	12 lbs/acre PLS	0.25-0.5	CB	May 15-September 1	May 1-September 15
CRIMSON CLOVER	10 lbs/acre PLS	15 lbs/acre PLS	0.25-0.5	CB	May 15-September 1	May 1-September 15
RED CLOVER ⁴	8 lbs/acre PLS	12 lbs/acre PLS	0.25-0.5	CB	April 15-September 1	April 1-September 15
WHITE CLOVER	5 lbs/acre PLS	8 lbs/acre PLS	0.25-0.5	CB	April 15-September 1	April 1-September 15
FAVA BEAN	80 lbs/acre PLS	120 lbs/acre PLS	2-4	CB	June 15-August 15	June 1-September 1
FIELD/WINTER PEA ³	30 lbs/acre PLS	45 lbs/acre PLS	1-1.5	CB	April 15-September 15	April 1-October 1
LENTILS	50 lbs/acre PLS	75 lbs/acre PLS	1-1.5	CB	April 15-September 15	April 1-October 1
LUPIN	40 lbs/acre PLS	60 lbs/acre PLS	1-2	CB	April 1-June 1	April 1-June 15
SAINFOIN	40 lbs/acre PLS	60 lbs/acre PLS	0.25-0.75	CB	April 15-September 1	April 1-September 15
SWEETCLOVER ⁴	6 lbs/acre PLS	9 lbs/acre PLS	0.25-0.5	CB	April 15-September 1	April 1-September 15
VETCH	15 lbs/acre PLS	23 lbs/acre PLS	0.5-1.5	CB	April 15-September 1	April 1-September 15
COWPEA ³	30 lbs/acre PLS	45 lbs/acre PLS	1-1.5	WB	June 1-August 15	May 15-September 1
SOYBEANS ³	30 lbs/acre PLS	45 lbs/acre PLS	0.5-1	WB	June 15-August 15	June 1-September 1
SUNNHEMP	20 lbs/acre PLS	30 lbs/acre PLS	0.5-2.5	WB	June 1-August 1	June 1-August 1
LEGEND						
CROP TYPE: CG=COOL SEASON GRASS, CB= COOL SEASON BROADLEAF, WG=WARM SEASON GRASS, WB=WARM SEASON BROADLEAF						
*Consider these species when planting spring cover crops for wind erosion protection at .75 of a bushel/acre. Barley-36lbs, Oats-24lbs, Wheat-45lbs						
¹ Incorporated seed--Seeding methods used that provide good seed to soil contact. PLS=Pure Live Seed						
² Non-incorporated seed--Seeding methods used when broadcasting seed without mechanical incorporation. PLS=Pure Live Seed						
³ CAUTION is due to risk for establishment with aerial seeding.						
⁴ FROST SEEDING DATES: December 15-March 1 (Entire State)						
⁵ All Non-Legume Broadleaves and Legume species should always be considered as part of a multi-species cover crop and rarely planted as a single species						
CAUTION is due to possible freeze risk to establishment						
1/ Plantings containing buckwheat may not be seeded within 30 feet of an existing commodity wheat field, or in a field with a planned rotation to commodity wheat within two years.						
INFORMATION from Midwest Cover Crops (MCCC) Website, MCCC Cover Crop Field Guide, Green Cover Seed, SARE-Managing Cover Crops Profitably, SARE-Cover Cropping for Pollinators and Beneficial Insects, USDA-ARS Cover Crops Chart, and USDA-NRCS PLANTS Guide						
†Rye seeded as a single species cover crop between July 15th and October 1st whether incorporated or non-incorporated can be seeded at 40 lbs per acre. October 2nd and after should be planted at posted rates. Multi-species mixes should still utilize recommended rates of 55 and 83 as a baseline for all planting periods.						