



## 6. Overwintering Cover Crops

### Purpose

1. Encourage agriculture producers to establish an overwintering cover crop
2. Reduce sheet, rill, and wind erosion
3. Reduce water quality degradation due to excess nutrients
4. Increase cropping system diversity

### Applicability

Applies to cropland acres in the 14-county program area. Acres receiving payment under any other county, state or federal program (CSP, EQIP, WL Small Grains, etc.) are not eligible.

### Specifications

1. Establish overwintering cover crop no later than October 15
2. The completed practice must meet the criteria for seeding, establishment and maintenance per NRCS Appendix A, including seed quality and testing requirements
3. Seed mix must include a minimum of 50% of full rate of an overwintering species
4. Cover crop must be maintained until March 15
5. Crop can be harvested as a forage or grazed after March 15
6. Manure and/or fertilizer, based on the VNMP, may be applied prior to seeding or after March 15
  - a. Manure shall not be applied on frozen, snow-covered or saturated soils or applied when the local weather forecast for the application area contains greater than a 50% chance of precipitation exceeding one-half inch in a 24 hour period
  - b. Fertilizer shall not be applied on frozen, snow-covered or saturated soils or applied when the local weather forecast for the application area contains greater than a 50% chance of precipitation exceeding one inch in a 12 hour period
7. Producers may apply for up to three years of this practice

### Technical Responsibilities

#### Producer Responsibilities

1. Provide VNMP to SWCD
2. Provide acres and field maps where cover crop is established
3. Provide seed tags or seed tests (including: % purity, % germ., % weed seed, Ohio noxious weed content) and bills for the cover crop

#### SWCD Responsibilities

1. Receive application from the producer and complete contract
2. Determine eligibility, excluding any existing acres where cover crops are already established, document plan on BMP Worksheet
3. Enter all required information into Beehive
4. Conduct site visits to verify overwintering cover crop are established and maintained until March 15
5. Process payment to producer

### Participant Payments

Participants will receive \$25/ac payment annually, for up to three years, when verification of all program requirements are met. Funding for 2022 and 2023 is contingent on future funding of the program.



## 6. Overwintering Cover Crops

Adapted from NRCS Appendix A - Seeding Tables. 11-19-19 – See Appendix A for additional guidance on establishment, maintenance, termination

Species	Overwintering <sup>1</sup>	Seeding Rates in Pounds PLS (Percentage of Mix)					Seeding depth (in)	North
		100%	75%	50%	33%	25%		
Winter Rye	Yes	50	38	25	17	13	1	8-1 to 10-15*
Winter Barley	Yes	59	44	29	19	15	1	8-15 to 10-10
Winter Wheat	Yes	64	48	32	21	16	1	9-22 to 10-15*
Winter Triticale	Yes	60	45	30	20	15	1	8-1 to 10-15*
Spelt	Yes	64	48	32	21	16	1	9-22 to 10-15*
Annual Ryegrass	Yes	18	13	9	6	4	0.5	8-1 to 9-20
Oats	No	40	30	20	14	10	1	8-1 to 9-20
Oilseed Radish	No	NR	NR	NR	2	1.5	0.5	8-1 to 9-15
Rapeseed/Canola/Kale <sup>3</sup>	Yes	4	3	2	1.5	1	0.5	8-1 to 9-15
Mustards	No	4	3	2	1.5	1	0.5	8-1 to 9-15
Turnip	No	2.5	2	1	0.75	0.5	0.25	7-20 to 9-15
Alfalfa <sup>4</sup>	Yes	16	12	8	6	4	0.25	8-1 to 8-15
Red Clover	Yes	9	7	5	3	2	0.25	7-20 to 8-30
Yellow Sweet Clover	Yes	8	6	4	3	2	0.25	7-20 to 8-30
Crimson Clover	Yes	12	9	6	4	3	0.25	6-15 to 9-15
Winter Pea	No	40	30	20	14	10	1.25	8-1 to 9-15
Hairy Vetch	Yes	16	12	8	5	4	1	8-1 to 9-20
Sorghum-Sudangrass	No	24	18	12	8	6	1	5-15 to 8-1
Sudangrass	No	20	15	10	7	5	1	5-15 to 8-1
Pearl Millet	No	12	9	6	4	3	0.75	5-15 to 8-1
Japanese Millet	No	14	11	7	5	4	0.75	5-15 to 8-1
Buckwheat	No	NR	NR	12	8	6	1	6-15 to 8-15
Sunflower	No	NR	NR	NR	4	3	2	5-15 to 8-1
Cowpea	No	60	45	30	20	15	0.75	6-15 to 8-1
Sunn Hemp	No	12	9	6	4	3	1	6-15 to 8-1
Berseem Clover	No	11	8	5	3	2	0.25	5-15 to 8-15
Soybean	No	54	40	27	18	13	1.5	6-15 to 8-15

\* Dates adapted to meet program seeding requirements

1. Overwintering only when planted during the fall dates and establishment. Winter kill may occur
2. Do not plant until after the Hessian fly free date; dates varies from Sept 22 in northern Ohio to Oct 5 in southern Ohio. Wheat and spelt cover crops can be planted up to 20 days past the fly free date. See the Ohio Agronomy Guide for specific county dates.
3. Fall planted varieties planted in the fall are “non-winter killed”; spring planted varieties planted in the fall or spring are winter killed.
4. In order to meet the intent and definition of cover crops (seasonal vegetative cover) alfalfa must be terminated and managed as an annual. Alfalfa planted to provide forage for Conservation Crop Rotation – Forages must be maintained for a minimum of 2 years and meet guidelines for that program.

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