

Cover Crop Design Worksheet

Note: Yellow areas indicate required data. Blue areas indicate optional data.

Name:	John Smith	Program:	
Address:		Contract #:	Soil Health Mentor Program
Field Number:		Contract Item Number:	
Section:	Township:	Range:	Acres: 30

Indicate the decision-maker's objective(s) for applying cover crop, in priority order (1, 2, 3, etc.)

<input type="checkbox"/> Reduce Erosion / Particulates	<input type="checkbox"/> Provide Supplemental Hay
<input type="checkbox"/> Crop Abrasion / Blow-out	<input checked="" type="checkbox"/> Provide Supplemental Grazing
<input type="checkbox"/> Biological Nitrogen fixation	<input type="checkbox"/> Soil Moisture (conservation or utilization)
<input type="checkbox"/> Pest Suppression	<input type="checkbox"/> Attract Beneficial Insects
<input checked="" type="checkbox"/> Increase Soil Organic Matter	<input type="checkbox"/> Minimize and Reduce Soil Compaction
<input type="checkbox"/> Enhance Biodiversity	<input type="checkbox"/> Capture, Recycle, Redistribute Nutrients

If crop abrasion is an objective, note: Crop: _____ Crop Soil Loss Tolerance : _____ tons/ac/year

Design soil mapunit: ady loams, Shambo loams, Farland Silt LoamBelfield-

	Existing Condition Without Cover Crop	Planned Condition With Cover Crop
Erosion rates (water, wind):		
Soil Condition Index:		

Seeding Window: Jun 15-Aug 15 **Termination Method:** Graze
Seeding Method: Drill **Fertilization:** None

Management Considerations:	Weeds will be controlled by clipping or with proper herbicides as needed in accordance with product label directions and current NDSU-Extension Service recommendations.
Enter additional notes below:	Innoculate cowpeas, soybeans, red clover

Planned Cover Crop Mixture

Species	Variety	Full Seed Rate #/ac	Acres	Percent of Mixture	Rate lb/ac	Seed Size	Total lbs	Crop Type	Seeding Depth (inches)	
triticale		60	30	33%	20	L	601.2	CG	0.5 - 1.5	
hairy vetch		15	30	14%	2.03	L	60.75	WB	0.5 - 1.5	
radish	Daikon	8	30	13%	1	F	30	CB	0.25 - 0.5	
turnip	Purple Top	8	30	13%	1	F	30	CB	0.25 - 0.5	
sudangrass, sudan	rown midri	35	30	20%	7	L	210	WG	0.5 - 1.5	
millet	pearl	25	30	28%	7	L	210	WG	0.25 - 0.75	
winter rye or wheat		60	30	5%	3	L	90	CG	0.75 - 2.0	
cowpea		30	30	17%	5.03	L	150.75	WB	1.0 - 1.5	
soybean		45	30	11%	5	L	149.85	WB	1.0 - 1.5	
				153%				1532.6	Total Pounds	

Estimated seeding rate (lbs/acre): 51.085 **Planned Seeding Depth (inches):** 0.75 - 1.0

Notes:

Planned by: _____ **Date:** _____

Cover Crop Certification Worksheet

Name: John Smith **Program:** _____
Address: _____ **Contract #:** Soil Health Mentor
Site location: _____ **Contract Item #:** _____
Section: _____ **Township:** _____ **Range:** _____

Instructions: Document producer's actual cover crop planting information below. Attach or include photos of the cover crop on the Photos Sheet.

Species	Total Pounds	Plants per Sq Ft	Practice Check Out Conditions
			Site Preparation:
			Fertility Used:
			Date Seeded: _____
			Acres Seeded: _____
			Seeding Depth: _____ inches
			Seeding Method: <input type="checkbox"/> Drilled <input type="checkbox"/> Broadcast <small>(circle one)</small>
			Weed Control:
			Termination Method:
			Cover Crop Height at Termination:
			_____ inches
	Total Lbs:	0	Irrigated: Yes No <small>(circle one)</small>
Notes and Comments:			

Producer Signature

Date

I certify that the above information **does / does not** meet NRCS specifications for design and installation.

NRCS Signature

Date