Cover Crop Inventory

Producer		Date
Location		Acres
Objectives	Diversity	organic matter
 Fixing N Capturing nutrients Compaction 	 Forage Increasing Increasing 	infiltration biological activity
Current rotation		
Cash crop in current year		
Tillage		
Planned tillage with cover crop		
Herbicide program		
Current weed or pest issues		
Soil types		
When to plant cover crop		
Planting options and availability		
Termination of cover crop		
Livestock type (if using for forage)		
Notes		

Cover Crop Mixes

Non-Winter Hardy		Winter Hardy		General Mixes	
Erosion Control		Erosion Control		Before Corn or Soybeans	
Oats or	100%	Cereal rye or	100%	Oats	50%
Annual Rye	100%	Winter wheat or	100%	Radish	25%
		Winter triticale	100%	Turnip	25%
Compaction		Compaction			
Radish	25%	Radish	25%	Annual rye	50%
Annual rye	50%	Cereal rye	40%	Radish	25%
Sunflower	25%	Red/white clover	35%	Turnip	25%
Organic Matter		Organic Matter		Before Soybeans	
Oats	40%	Cereal rye or	100%	Cereal rye	50%
Annual rye	40%	Winter wheat	100%	Radish	25%
Radish	20%			Turnip	25%
Nitrogen		Nitrogen		Before Corn	
Field peas or	50%	Red/white clover or	50%	Oats	25%
Cowpeas	50%	Alfalfa	50%	Field peas	50%
Oats	50%	Oats	50%	Radish	15%
				Turnip	10%
Nutrients		Nutrients			
Buckwheat	25%	Cereal rye	25%	Annual rye	25%
Sunflower	25%	Red clover	25%	Field peas	50%
Radish	25%	Buckwheat	25%	Radish	15%
Field peas	25%	Radish	25%	Turnip	10%
Weeds		Weeds		Interseeding into Corn (V4-V6)	
Annual rye or	100%	Cereal rye or	100%	Annual rye	70%
oats	100%	Winter triticale	100%	Turnip	10%
				Radish	10%
Pests		Pests		Canola	10%
Radish	15%	Radish	15%		
Turnip	15%	Turnip	15%		
Oats	70%	Cereal rye	70%		
Forage		Forage			
Oats	30%	Cereal rye	30%		
Annual rye	20%	Red/White clover	20%		
Field peas	30%	Winter triticale	30%		
Radish	20%	Radish	20%		

Don't use cowpeas if you have soybean cycst nematodes and grow soybeans Sunflowers must be planted after a short season crop to get full benefits Don't plant buckwheat before the end of August to avoid reseeding Radish, oats, and buckwheat aren't winter hardy but benefit winter hardy mixes Don't plant cereal rye before early September if you want regrowth the following spring

Non-Incorporated Cover Crop Seed Mixes

The rates are in Pure Live Seed (PLS) not bulk

Before C or SBs	Shade	Lbs/ac	Flexstar	Stinger	Dual
Oats	х	23	х	х	х
Radish	х	1.5			х
Turnip		0.5			x
Annual rye	х	12	х	х	
Radish	х	1.5			х
Turnip	х	0.5			x
Barley		38	х	х	x
Radish	х	1.5			х
Turnip	х	0.5			x
Sudangrass		19	х	х	
Radish	х	1.5			x
Turnip	х	0.5			х

Before Soybeans

Cereal rye		42	х	х	х
Radish	x	1.5			х
Turnip	х	0.5			х

Grazing Mixes

Oats	x	23	х	х	х
Field peas		12			
Radish	х	1.5			х
Sudangrass		19	х	х	
Field peas		12			
Radish	x	1.5			х
-			•	•	•

Field peas 12 Radish x 1.5 x	Annual rye	х	12	х	х	
Radish x 1.5 x	Field peas		12			
	Radish	х	1.5			х

You can replace barely with wheat or triticale at the same rates You can replace radishes or turnips with canola at the same rates

Species suitable

Pursuit	Stinger	Flexstar	Dual	Callisto	Sharpen	Dicamba	Liberty	Warrant	Sharpen	Assure	Harmony
Alfalfa	Alfalfa	Annual rye	Alfalfa	Barley	Barley	All	All	Wheat	Barley	All	All
Cereal rye	Annual Rye	Barley	Barley	Buckwheat	Cereal rye				Cereal rye		
Clover	Barley	Buckwheat	Cereal rye	Cereal rye	Field pea				Oats	1	
Cowpea	Cereal rye	Cereal rye	Oats	Millet	Millet				Millet	1	
Field pea	Millet	Millet	Radish	Oats	Oats				Sorghum		
Wheat	Oats	Oats	Wheat	Sorghum	Sorghum				Triticale		
	Radish	Sorghum		Triticale	Triticale				Wheat		
	Triticale	Sudangrass		Wheat	Wheat				Field Peas		
	Wheat	Triticale	1		•	_				-	
		Wheat	1								

Before Corn	Shade	Lbs/ac Fl	exstar Stinger	Dual
Oats	x	12 x	x	х
Field peas		12		
Radish	x	1.5		х
Turnip	x	0.5		х
Annual rye	х	6 x	x	
Field peas		12		
Radish	x	1.5		х
Turnip	х	0.5		х
Barley		19 x	х	
Field peas		12		
Radish	x	1.5		х
Turnip	х	0.5		х
Sudangrass		10 x	х	
Field peas		12		
Radish	x	1.5		х
Turnip	х	0.5		х

Single Species Ra	tes					
Oats	х	45	х	х	х	
Annual rye	х	23	х	х		
				÷		
Cereal rye		83	х	х	х	
Wheat	х	75	х	х	х	
				÷		
Barley		75	х	х		
Sudangrass		38	х	х		
Triticale	х	75	х	х		

x = suitable

Incorporated Cover Crop Seed Mixes

The rates are in Pure Live Seed (PLS) not bulk

Before C or SBs	Shade	Lbs/ac	Flexstar	Stinger	Dual
Oats	х	15	х	х	х
Radish	х	1			х
Turnip		0.25			х
Annual rye	х	8	х	х	
Radish	х	1			х
Turnip	х	0.25			х
Barley		25	х	х	х
Radish	х	1			х
Turnip	х	0.25			х
Sudangrass		13	х	х	
Radish	х	1			х
Turnip	х	0.25			х

Before Soybeans

Cereal rye		28	х	х	х
Radish	х	1			х
Turnip	х	0.25			x

Grazing Mixes

Oats	х	15	х	х	х
Field peas		8			
Radish	х	1			х
Sudangrass		13	х	х	
Field peas		8			
Radish	х	1			х
		-			·
Annual rye	х	8	х	х	
Field peas		8			

Field peas		8			
Radish	x	1			х
You can replace	e barely with wh	eat or tritical	e at the sam	ne rates	

You can replace radishes or turnips with canola at the same rates

Species suitable

Pursuit	Stinger	Flexstar	Dual	Callisto	Sharpen	Dicamba	Liberty	Warrant	Sharpen	Assure	Harmony
Alfalfa	Alfalfa	Annual rye	Alfalfa	Barley	Barley	All	All	Wheat	Barley	All	All
Cereal rye	Annual Rye	Barley	Barley	Buckwheat	Cereal rye				Cereal rye		
Clover	Barley	Buckwheat	Cereal rye	Cereal rye	Field pea				Oats		
Cowpea	Cereal rye	Cereal rye	Oats	Millet	Millet				Millet		
Field pea	Millet	Millet	Radish	Oats	Oats				Sorghum		
Wheat	Oats	Oats	Wheat	Sorghum	Sorghum				Triticale		
	Radish	Sorghum		Triticale	Triticale				Wheat		
	Triticale	Sudangrass		Wheat	Wheat				Field Peas		
	Wheat	Triticale	1			-			-	-	

Wheat

Before Corn	Shade	Lbs/ac Flexst	ar Stinger	Dual
Oats	x	8 x	х	х
Field peas		8		
Radish	x	1		х
Turnip	х	0.25		х

Annual rye	х	4	х	х	
Field peas		8			
Radish	х	1			x
Turnip	x	0.25			x
Barley		13	х	х	
Field peas		8			
Radish	x	1			x

0.25

Sudangrass		7	х	х	
Field peas		8			
Radish	х	1			х
Turnip	x	0.25			х

Single Species Rates

Turnip

Oats	х	30	х	х	х
	-				
Annual rye	х	15	х	х	
	1			1	
Cereal rye		55	х	х	х
Wheat	х	50	х	х	х
			1		
Barley		50	х	х	
				1	
Sudangrass		25	х	х	
	[50		[
Triticale	х	50	х	х	

x = suitable

Alternatives for Select Species

Millets Annual rye Oats Wheat Barley Beets/Cabbage/Kale/Mustard Radish Turnip Canola Safflower Sunflower Berseem/Crimson/Balansa clover/sunhemp Field peas Cowpeas Chickpeas Field peas Cowpeas Sweet Clover/Vetch Red/white clover Alfalfa

Species Suitable with Select Herbicides

Species suitable

Pursuit	Stinger	Flexstar	Dual	Callisto	Sharpen	Dicamba	Liberty	Warrant	Sharpen	Assure	Harmony
Alfalfa	Alfalfa	Annual rye	Alfalfa	Barley	Barley	All	All	Wheat	Barley	All	All
Cereal rye	Annual Rye	Barley	Barley	Buckwheat	Cereal rye				Cereal rye		
Clover	Barley	Buckwheat	Cereal rye	Cereal rye	Field pea				Oats	1	
Cowpea	Cereal rye	Cereal rye	Oats	Millet	Millet				Millet		
Field pea	Millet	Millet	Radish	Oats	Oats				Sorghum		
Wheat	Oats	Oats	Wheat	Sorghum	Sorghum				Triticale		
	Radish	Sorghum		Triticale	Triticale				Wheat	1	
	Triticale	Sudangrass		Wheat	Wheat				Field Peas		
	Wheat	Triticale				-				-	

Wheat