



Prevent Plant 2019

- Cover Crop Worksheet -

1) Consult Crop Insurance Agent

- ◆ Ensure clear understanding of cover crop usage after filing Prevent Plant.

2) Gather Information

- ◆ List spring herbicide application rates and dates.
- ◆ Refer to Herbicide & Cover Crop compatibility charts. Do your herbicide applications eliminate use of certain cover crop species?
- ◆ Determine primary cover crop goals →
- ◆ Is a winterkill or overwinter mix desired?
- ◆ What is desired cover crop plant date Prevent Plant acres?
- ◆ What are 2020 cash crop plans?
- ◆ Are you equipped to plant into a cover crop?

3) Determine Optimal Cover Crop Mix

- ◆ Choose Strategy
- ◆ Select a Soil CPR mix (below)
-or-
- ◆ Let us build a custom mix, tailored to your needs - our specialty! →

4) Determine Seeding Method

Seeding Method	Pros	Cons
Drill	Most Effective	Slower
Broadcast (includes Aerial & hi-boy)	Quick	Less Effective
Broadcast/Incorporate	Quick/Effective	Disturbs soil

Benefits

Early Planted Cover Crops

- Nitrogen Fixation
- Nutrient Scavenging
- Soil Building
- Compaction Alleviation
- Erosion Control
- Weed Suppression
- Grazing & Forage
- Attract Pollinators & beneficial insects
- Break pest cycles
- Enhance soil biological life
- Increase infiltration
- Drain wet spots

Cover Crop Strategies

Single Stage

- Single planting. Plant ASAP- or wait until ~ Aug 1.
- Reduced application costs
- Higher chance of cool season species winterkilling if planted ASAP.
- Lost time gaining benefit from cover crop and potential increase in herbicide costs if wait

2- Stage Planting

- Plant Warm Season ASAP
- Plant cool season Sept 1- Sept 15
- Second Application Cost
- Maximize utilization and increase chances of overwintering





Winterkill Mixes

Mix 1	Oats/Radish	Rate	32lb/ac
Benefits	<ul style="list-style-type: none"> • Easy to manage • Scavenge nutrients and Alleviate Compaction • Cheapest mix 	Cons	-Possibly mow At flowering
Mix 2	Sorghum Sudan/ SunnHemp/ Radish	Rate	22lb/ac
Benefits	<ul style="list-style-type: none"> • Intense root system, suppress weeds, alleviate compaction • Large amount of biomass • Sunnhemp = massive N production. Dime size Nodules! • Alleviate compaction • Scavenge nutrients 	Cons	- no overwinter species to trap nutrients for 2020
Mix 3	SorghumSudan/ SunnHemp/ Radish/ Buckwheat/ Flax/ Sunflower/ Oats	Rate	31 lb/ac
Benefits	<ul style="list-style-type: none"> • Same as mix 2 with addition of Buckwheat, flax, sunflower, and oats • Buckwheat grows quick, shades out weeds, makes p available • Flax & sunflower= good roots & jumpstart soil biology (+ look good) • Oats add quick cover and jumpstart soil biology 	Cons	-no overwinter Species to trap Nutrients for 2020

Overwinter Mixes

Mix 4	Single Stage Planting		
	Barley/Frosty Clover/Crimson Clover	Rate	17 lb/ac
Benefits	<ul style="list-style-type: none"> • Barley traps scavenged nutrients overwinter & supports clover • Increase rate of clovers if going to corn • Consider adding Annual Ryegrass 	Cons	• Greater chance of clovers winterkilling
Mix 5	Two Stage Planting > Corn 2020		
	Cereal Rye/Fixation Clover/Crimson Clover/Hairy Vetch/Winter Peas	Rate	31 lb/ac
Benefits	<ul style="list-style-type: none"> • A variety of legumes will provide fix maximum N for 2020 corn • Cereal rye will support legumes and trap nutrients • Consider adding Annual Ryegrass 	Cons	• Additional Planting pass
Mix 6	Two Stage Planting > Soybeans 2020		
	Cereal Rye/Barley	Rate	40 lb/ac
Benefits	<ul style="list-style-type: none"> • Simple • Mix varies C:N ratio for wider nutrient release window • Mix is cost effective 	Cons	• Additional Planting pass



Have another idea? Contact us