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Switching to Corn – Herbicide Issues

- Look at the plant back restrictions for the soybean herbicides you have applied
 - Chemical damage is not an insurable claim
 - Lessons of Pursuit
- Consider carryover concerns to soybeans next year in your choices for product and rates



Switching to Beans – Herbicide Issues

- Don't assume because you have had a lot of rain that the corn herbicide is gone
- Be cautious of the soybean post emergence herbicide you use and the plant back restrictions for corn next year
- *******APPLY A PREPLANT OR PREEMERGE HERBICIDE BEFORE PLANTING SOYBEANS*******





Preventative Plant Acres

- Soil Health
 - Bare soil can decrease productivity for next year
 - Live roots will keep the soil “alive” in better condition
- Weed Control
 - Weeds are not cover crops
 - Don’t want the revenge of Plant 2019 to come back for the next several years





Weed Control in PP

- Tillage
 - May be an economical option
 - May help keep you busy with repeat passes
 - Works best with small weeds
 - Repeated tillage can damage soil structure, kill microbial activity, bring up more weed seeds to germinate
- Herbicides
 - Will need repeated 2-3 times to be effective
 - Must spray prior to seed formation
 - Residual herbicides sound good, but actually won't last as long without a crop to compete



Cover Crops

- Keep it simple
- Buy from a reputable dealer
- Make sure the seed is clean
 - Check for contaminants
 - Check for weed seed not from your area
- Don't spend a fortune





Choosing Cover Crops Species

- Herbicides Already Applied
- Experience Level with Cover Crops
- 2020 Intended Crop
- Based on Additional Goals
 - Erosion Control
 - Build Humus
 - Break up tight soils
 - Scavenge Nutrients
 - Grazing or Forages
- Timing of Planting of Cover Crops
- Availability





Months to plant forage crops after herbicide application on soybean

		NON-LEGUME FORAGE CROPS										LEGUME FORAGE CROPS					MAX ROTATION (a)
		ANNUAL RYEGRASS	BARLEY	BUCKWHEAT	CEREAL RYE	OATS	PEARL MILLET	SORGHUM	TRITICALE	WHEAT	RADISH	ALFALFA	CLOVER	COWPEA	FIELD PEA	VETCH	
PREPLANT-INCORPORATED	Prowl H2O	10, 12 (m)	4 (q)	12	12	12	12	10, 12 (m)	12	4 (q)	12	12	12	0	12	12	12 (f)
	Trifluralin (Treflan TR-10)	12, 14 (m)(q)	12, 14 (m)(q)	5	5	12, 14 (m)(q)	12, 14 (m)(q)	12, 14 (m)(q)	5	5	5	5	5	5	5	5	12, 14 (m)(q)
PREEMERGENCE HERBICIDES	Authority Assist	30 (b)	9.5	30 (b)	4	18	30 (b)	18	30 (b)	4	30 (b)	12	30 (b)	30 (b)	30 (b)	30 (b)	30 (b)
	Authority MTZ	18	4	18	18	18	18	12, 18 (c)	18	4	18	12	18	18	18	18	18
	Boundary 6.5 EC	12	4.5, 8 (d)	12	12	12	12	12	12	4.5, 8 (d)	18	4.5	12	12	12	12	18
	Dual II magnum	12	4.5	(e)	4.5	4.5	12	12	12	4.5	2 (f)	4	9	12	12	12	12
	Enlite (g)	4	4	30	4	12	30	9	30	4	30	12	12	9	9	30	30
	Envive (f)(h)(i)	4	4	30	4	30	30	10	30	4	30	12	18	12	12	30	30
	Fierce	(j)	(j)	(j)	(j)	(j)	(j)	(j)	(j)	(j)	12	(j)	(j)	(j)	(j)	(j)	12
	FirstRate (f)	18	12	18	18	9	18	9	18	4	18	9	18	18	9	18	18
	Gangster	(b)	(b)	(b)	(b)	9	(b)	9	(b)	3	(b)	(b)	(b)	(b)	9	(b)	30
	INTRRO	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)
	Lorox DF	4	4	12	4	4	12	0 (f)(l)	12	4	4	4	4	4	4	4	12
	Metribuzin 75	18	4	18	18	18	18	18	18	4	18	4	18	18	8	18	18
	Metribuzin 75DF	18	4	18	18	18	4	18	18	4	18	4	18	18	8	18	18
	OpTill (k)	40 (b)	9.5	40 (b)	4	18	40 (b)	18	40 (b)	3	40 (b)	4	4	1	4	40 (b)	40 (b)
	OpTill PRO (k)	40 (b)	9.5	40 (b)	4	18	40 (b)	18	40 (b)	4	40 (b)	9	9	9	4	40 (b)	40 (b)
	Outlook	(e)	4	(e)	4	4	(e)	(e)	(e)	4	(e)	(e)	(e)	(e)	(e)	(e)	(e)
	Prefix	(l)	(l)	(l)	(l)	(l)	(l)	(l)	(l)	(l)	18	18	18	18	10	18	18
	Pursuit	40 (b)	9.5	40 (b)	4	18	40 (b)	18	40 (b)	4	40 (b)	4	4	0	0	40 (b)	40 (b)
	Python WDG	9	4	9	4	4	9	9	9	4	26	4	26	26	4	26	26
	Sharpen (f)(r)	6	0	6	0	0	0	0	0	0	6	6	6	6	3	6	6
	Sulfentrazone+loransulam (Authority First DF)	30 (b)	12	30 (b)	12	12	30 (b)	12	30 (b)	4	30 (b)	12	30 (b)	12	12	30 (b)	30 (b)
	Valor (f)	6, 12 (q)(s)	4	6, 12 (q)(s)	4	5, 10 (s)	6, 12 (q)(s)	1 (q)	6, 12 (q)(s)	2 (q)	6, 12 (q)(s)	5, 10 (s)	5, 10 (s)	6, 12 (q)(s)	4	6, 12 (q)(s)	6, 12 (q)(s)
	Valor XLT (h)	4	4	30	4	30	30	10	30	4	30	12	18	12	12	30	30
	Warrant	(e)	(e)	(e)	(e)	(e)	(e)	(e)(x)	(e)	4	(k)	9	9	(e)	(e)	9	(e)
	Zidua	(j)	(j)	(j)	(j)	(j)	(j)	(j)	(j)	(j)	12	(j)	(j)	(j)	(j)	(j)	12



Months to plant forage crops after herbicide application on **corn**

		NON-LEGUME FORAGE CROPS									LEGUME FORAGE CROPS					MAX ROTATION (a)	
		ANNUAL RYEGRASS	BARLEY	BUCKWHEAT	CEREAL RYE	OATS	PEARL MILLET	SORGHUM	TRITICALE	WHEAT	RADISH	ALFALFA	CLOVER	COWPEA	FIELD PEA		VETCH
PRE-PLANT- INCORPORATED	Acetochlor (Harness)	18	18	18	18	18	18	18	18	4	18	9	9	9	9	9	18
	Dual II magnum	12	4.5	(b)	4.5	4.5	12	12	12	4.5	2 (c)	4 (c)	9 (c)	12	12	12	12
	Outlook	(b)	4	(b)	4	4	(b)	(b)	(b)	4	(b)	(b)	(b)	(b)	(b)	(b)	(b)
	Zidua	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	12	(e)	(e)	(e)	(e)	(e)	12
PRE-EMERGENCE HERBICIDES	Acetanilide+atrazine premix (Harness Xtra)	18	18	18	18	18	18	18	18	4	9	9	9	9	9	9	18
	Acetochlor (Surpass EC)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	4	(d)	(b)	(b)	(b)	(b)	(b)	(b)
	Atrazine	(f)	(f)(g)(h)	(f)	(f)(g)(h)	(f)(g)(h)	(f)	(b)	(f)	(f)(g)(h)	(f)	(f)	(f)	(f)	(f)	(f)	(f)
	Anthem (c)	18	18	18	18	18	18	18	18	6	18	10	18	11	11	18	18
	Callisto (i)	18	4	4	4	0	0	0	4	4	18	10	18	18	18	18	18
	Dicamba (Clarity) (c) (j)	(k)	(k)	4	(k)	(k)	(k)	(k)	(k)	(k)	4	4	4	4	4	4	4
	Dual II magnum	12	4.5	(b)	4.5	4.5	12	12	12	4.5	2 (c)	4	9	12	12	12	12
	Fierce	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	12	(e)	(e)	(e)	(e)	(e)	12
	Hornet WDG	10.5	4	26	4	4	26	26	26	4	26	10.5 (l)(m)	26	26	10.5,18 (c)	26	26
	Instigate	18	4,9 (g)	4,9 (g)	4,9 (g)	4,9 (g)	4,9 (g)	10 (l)	4,9 (g)	4,9 (g)	18	10 (l)	18	18	18	18	18
	Lumax (h)	18	4.5	(b)	4.5	(b)	(b)	18	18	4.5	18	18	18	18	18	18	18
	Outlook	(b)	4	(b)	4	4	(b)	(b)	(b)	4	(b)	(b)	(b)	(b)	(b)	(b)	(b)
	Princep 4L	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)
	Prowl H2O	10, 12 (h)	4 (l)	12	12	12	12	10, 12 (h)	12	4 (l)	12	12	12	0	12	12	12 (c)
	Python WDG	9	4	9	4	4	9	9	9	4	26	4	26	26	4	26	26
	Resolve Q (c)	18	9	9	9	9	9	10,18 (l)	9	3,9 (g)	18	10,18 (l)	10,18 (l)	18	10	18	18
	Sharpen (c) (j)	6	0	6	0	0	0	0	0	0	6	6	6	6	3	6	6
	Surestart	26 (n)	(b)	26 (n)	(b)	(b)	26 (n)	12	26 (n)	4	26 (n)	18 (b)(l)(m)	18 (b)(l)(m)	(b)	(b)	18 (b)(l)(m)	26 (n)
	Valor (c)	6, 12 (l) (p)	4	6, 12 (l) (p)	4	5,10 (p)	6, 12 (l) (p)	1 (l)	6, 12 (l) (p)	2 (l)	6, 12 (l) (p)	5,10 (p)	5,10 (p)	6, 12 (l) (p)	4	6, 12 (l) (p)	6, 12 (l) (p)
	Verdict	(b)	4 (g)	(b)	4 (g)	4 (g)	(b)	(b)	(b)	4 (g)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
	Zemax	18	4.5	18	4.5	4.5	18	18	18	4.5	18	18	18	18	18	18	18
	Zidua	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	12	(e)	(e)	(e)	(e)	(e)	12



Oats and Radishes

- Good for first timers
- Plant later into July
- Winter Kills
- Good combination prior to corn
- Two root types/depths
- Con – potential nutrient leaching due to no spring growth
- The stench can be strong





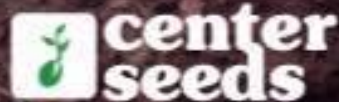
Rye as a Cover Crop

- Great if going to Soybeans
- Needs more intense management if going to corn
 - Need to kill in time prior to planting
 - Use extra nitrogen to cover until residue releases
- Great weed control
- Scavenges nutrients





Prevented Planting



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www.centerseeds.com
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Matt Boucher
Potential Ag
Dwight, IL
Potentialag.com

Husky 66 lbs/A

Relay for forage and grazing

Jerry Oats	Barsica Rapeseed
Cowpeas	Barkant Turnip
Austrian Winter Pea	Crimson Clover
Taproot Radish	Rootmax ARG
Trophy Rapeseed	Sunn Hemp

- 2 forage harvest, one in late fall with wet baling & 1 early spring
- Summer & winter cover
- Diverse exudation for soil biology stimulation
- Wakes up microbiology
- Two periods of nutrient enhancement.... late summer and early fall

Melt Away 25 lbs/A

All done by December

Jerry Oats	Cowpeas
German Millet	Sunflower
Purple Top Turnip	Buckwheat
Taproot Radish	
Vigor Sorghum Sudangrass	

- Will protect soil during summer and late fall
- Winter termination
- Can be planted before beans or corn
- Helps to increase available micro nutrients zinc, boron, etc.

Combelt 30 lbs/A

Nutrient builder for corn

Jerry Oats	Cowpeas
Crimson Clover	Sunflower
Sunn Hemp	Buckwheat
Austrian Winter Pea	
Vigor Sorghum Sudangrass	

- Will provide a diverse flush of nutrients for next seasons corn crop
- Designed to have slow nutrient release
- Easy to terminate in spring

Rejuvenator 30 lbs/A

Soil healer for longer fallow period

Perdovik Sunflower	Jerry Oats
Purple Top Turnip	Buckwheat
Austrian Winter Pea	Sunn Hemp
Taproot Radish	Cowpea
Jumbo ARG	
Vigor Sorghum Sudangrass	

- Formulated for enhance the soil biologicals
- Unlocks & protects vulnerable nutrients
- Will mostly winter kill
- Cleans soil of some chemical buildup

All covers are coated and inoculated
Any of these mixes can be formulated for organic use



Fertilizer – What's left?

- Phosphorus and Potassium
 - Should be present in saturated soils
 - Running water will move soil and move nutrients
- Nitrogen
 - Depends on application timing, product, saturation, temperature, etc.
 - Would not assume much is there for 2020





Keeping Busy

- Haul lime
- Fix waterways and washouts
- Tile fields
- Finish your honey do lists
- Hope for a warm dry fall
- Remember you aren't alone – it's been stressful so take care of yourself





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