

Online Cover Crop Selector Tool and Training

MCCC Cover Crop Selector Tool

<u>Goals</u>: Ranks cover crops for up Soil Drainage Information: to 3 attributes (such as Nitrogen Eliminates cover crop Source, Nitrogen Scavenger, species based on soil Erosion Fighter, etc.) suitability <u>Detailed Information Sheets</u>: Generated by clicking cover crop specie name Rye, Winter Cereal Information Sheet considerations for using Rye, Winter Cereal in Indiana Cultural Trait Scientific Name: Secale cereale Rye, Winter Cereal Location: Indiana Life Cycle: Cool Season Annual Rye, Winter Cen ash Crop: nor Growth Habit: Upright Rye, Winter Cereal Preferred Soil pH: 5 oil Drainage: N in. Germination Temp.: 34 Heat Tolerance: Good Drought Tolerance: Very Goo Shade Tolerance: Go Cover Crop Selection Informat Flood Tolerance: Good Cover Crop Selected: Rve, Winter Cerea ow Fertility Tolerance: Excellent over Crop Attribute #1 Winter Survival: Expected Cover Crop Attribute #2 Comments: over Crop Attribute #3 Use within the state: Emergin Potential Advantage Soil Impact - Subsoiler: Very Good oil Impact - Frees P and K: Drilled Seeding Depth: 2/-3 Impact - Loosens Topsoil: Ver Drilled Seeding Rate: 50-90 lb /A PLS Rve, Winter (Soil Ecology - Nematodes: Fycel roadcast Seeding Rate: 55-100 lb./A PLS Rye, Winter C Soil Ecology - Disease: Good Aerial Seeding Rate: 60-108 lb./A PLS Rye, Winter Cen oil Ecology - Allelopathic: Exc Seed Count: 18,160 Seeds Ecology - Choke Weeds: Exc Seed Count: Seeds/ ther - Attract Beneficials: Fai Frost Seed: No Other - Bears Traffic: Very Go Fly-free Date: No Comments Potential Disadvantages Termination Informa

> Cover crop species that don't meet soil drainage class requirements or goals drop off the suggested list

Online Cover Crop Selector Tool available at mccc.msu.edu



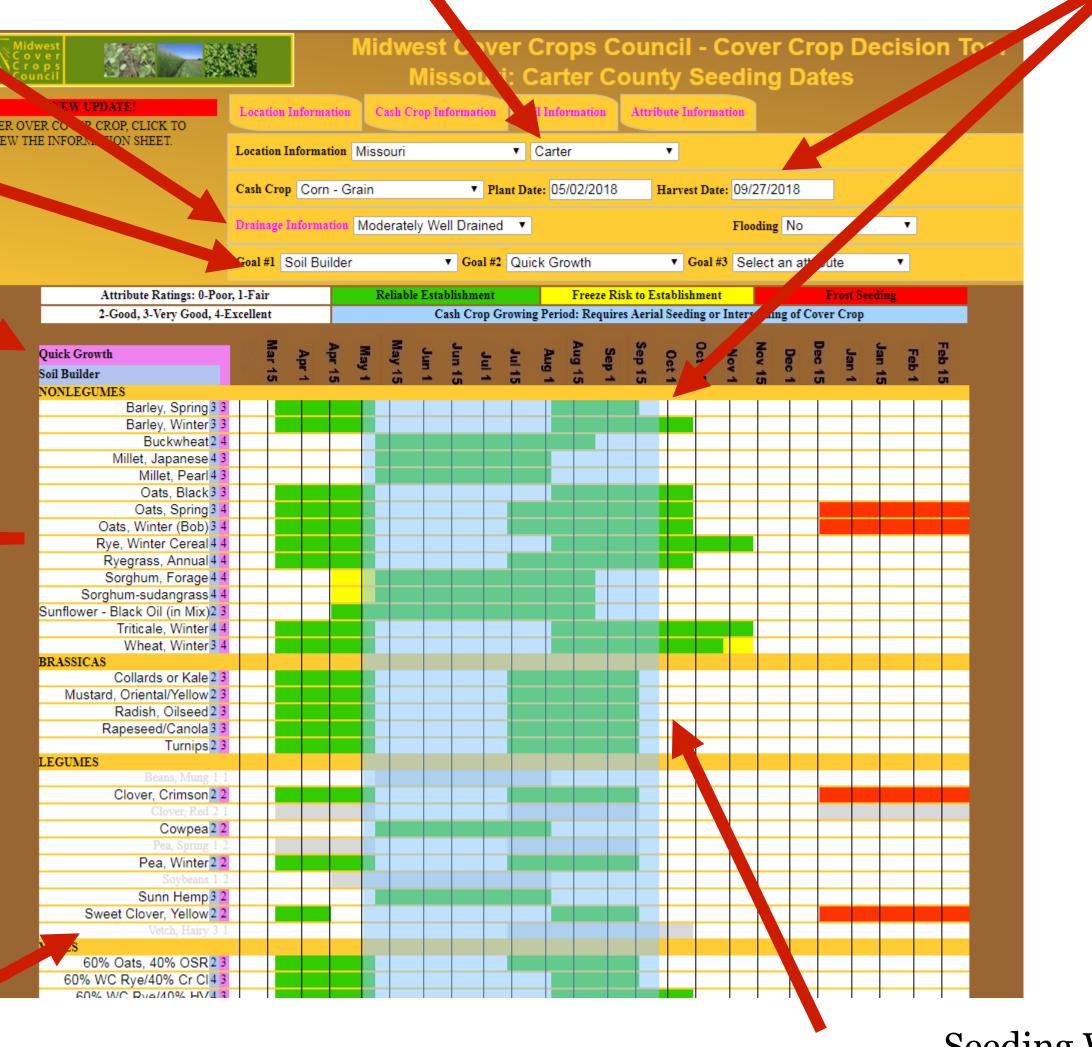
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Midwest Cover Crops Council

SARE PROJECT ENCI7-159

Location: 30 year local climate data influences seeding date

<u>Cash Crop</u>: Planting/Harvest dates remind users of timeframe the crop is in windows for individual counties the field and whether or not interseeding is necessary (blue box on seeding chart)



Seeding Windows based on county level climate data Green - reliable establishment Yellow – freeze risk to establishment <u>Red</u> – frost seeding

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Professional Development

This professional development project will improve cover crop knowledge for cover crop professionals as well as farmers and crop advisors in 8 states. Cover crop professional teams include Extension, University Specialists, NRCS, SWCD, seedsmen, crop advisors, and farmers.

Activities

- Organize statewide cover crop professionals into a team to create or update the MCCC cover crop selector tool for their state
- Cover crop professionals meet in-person with MCCC program manager for team building and to begin discussions for selector tool work
- Information for the selector tool is reached through team consensus during a series of web conferences
- MCCC builds or updates each state's selector tool
- Conservation professionals from that state will be invited to a training on using new MCCC resources Progress to Date
- Nebraska is currently in progress from another project
- South Dakota team is in place and in the process of making recommendations
- North Dakota team has met in person and will begin discussions soon



in the MCCC North Dakota Cover Crop Selector Tool.

- MCCC Selector Tool currently available for these states
 - Indiana
 - Ohio*
 - Michigan*

- Illinois*
- Wisconsin* • Minnesota*
- *States to be updated as part of this project

Special thanks to our partners



North Dakota cover crop experts discuss options to include

- Iowa*
- Missouri
- Kansas

