POTENTIAL BENEFITS OF COVER CROPS

The addition of cover crops in a farm rotation has the potential to produce multiple benefits. These benefits include, but are not limited to:

- Reduced soil erosion
- Increased soil organic matter
- Increased nutrient management
- Reduced soil compaction
- Increased water infiltration
- Reduced weed pressure
- Livestock forage/grazing

Seed Suppliers

<table>
<thead>
<tr>
<th>NAME</th>
<th>LOCATION</th>
<th>TELEPHONE</th>
<th>WEBSITE</th>
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<tr>
<td>212 SEED &amp; AG, INC</td>
<td>BIRD ISLAND, MN</td>
<td>320-365-4041</td>
<td><a href="http://WWW.PRAIRIECREEKSEED.COM">WWW.PRAIRIECREEKSEED.COM</a></td>
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<tr>
<td>AGASSIZ SEED &amp; SUPPLY</td>
<td>WEST FARGO, ND</td>
<td>701-282-8118</td>
<td><a href="http://WWW.AGASSIZSEED.COM">WWW.AGASSIZSEED.COM</a></td>
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<tr>
<td>ALBERT LEA SEED</td>
<td>ALBERT LEA, MN</td>
<td>800-352-5247</td>
<td><a href="http://WWW.ALSEED.COM">WWW.ALSEED.COM</a></td>
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<tr>
<td>ASMUS FARM SUPPLY</td>
<td>RAKE, IA</td>
<td>641-566-3658</td>
<td><a href="http://WWW.AFSCHEM.COM">WWW.AFSCHEM.COM</a></td>
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<td></td>
<td>FULDA, MN</td>
<td>507-425-3338</td>
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<tr>
<td>CUNNINGHAM SEED FARMS</td>
<td>SLEEPY EYE, MN</td>
<td>507-794-7323</td>
<td>NONE</td>
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<tr>
<td>GREEN COVER SEED</td>
<td>BLADEN, NE</td>
<td>402-469-6784</td>
<td><a href="http://WWW.GREENCOVERSEED.COM">WWW.GREENCOVERSEED.COM</a></td>
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<tr>
<td>JERRY ACKERMANN / LACROSSE SEED</td>
<td>LAKEFIELD, MN</td>
<td>507-920-8483</td>
<td><a href="http://WWW.LACROSSESEED.COM">WWW.LACROSSESEED.COM</a></td>
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<tr>
<td>LACROSSE SEED</td>
<td>LACROSSE, WI</td>
<td>800-328-1909</td>
<td><a href="http://WWW.LACROSSESEED.COM">WWW.LACROSSESEED.COM</a></td>
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</table>
COVER CROP ESTABLISHMENT
Cover crop establishment methods included:
• Drill or Planter
• Broadcast (with and without incorporation)
• Interseeding into standing cash crop
  o Aerial or high-clearance vehicle
  o High-clearance drill or similar unit
• Frost seeding
• Manure slurry seeding

COVER CROP TERMINATION
Cover crop termination methods include:
• Frost/freezing
• Herbicides
• Mechanical
  o Tillage
  o Mowing
  o Roller/crimper
## Custom Seeding

<table>
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<th>NAME</th>
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<tr>
<td>ADVANTAGE AG AIR</td>
<td>WARREN, MN</td>
<td>218-745-7607</td>
<td>AERIAL</td>
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<tr>
<td>AGRIMAX</td>
<td>FISHER, MN</td>
<td>218-891-2211</td>
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<tr>
<td>ARNT AERIAL SPRAYING</td>
<td>WORTHINGTON, MN</td>
<td>507-376-3305</td>
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<tr>
<td>BLUE EARTH FLYING SERVICE</td>
<td>BLUE EARTH, MN</td>
<td>507-526-7264</td>
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<tr>
<td>CARLSON’S AG AVIATION</td>
<td>WENDELL, MN</td>
<td>320-760-2854</td>
<td>AERIAL</td>
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<tr>
<td>CUSTOM CONSERVATION SERVICE</td>
<td>LAKE WILSON, MN</td>
<td>507-920-8186</td>
<td>HIGH-CLEARANCE VEHICLE</td>
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<tr>
<td>FAIRMONT AERIAL AG, INC</td>
<td>FROST, MN</td>
<td>507-236-1938</td>
<td>AERIAL</td>
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<tr>
<td>FRITZ JENSEN</td>
<td>CLARKS GROVE, MN</td>
<td>507-473-0156</td>
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<td>HEIDERSCHEIDT AERIAL, LLC</td>
<td>SLEEPY EYE, MN</td>
<td>507-794-7540</td>
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<tr>
<td>J-BIRD HELICOPTERS, LLC</td>
<td>MANKATO, MN</td>
<td>507-381-2315</td>
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<td>JOHNSON AIRSPRAY, INC</td>
<td>ARGYLE, MN GRAFTON, ND</td>
<td>218-437-6415 701-352-3700</td>
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<tr>
<td>KROGMAN AERIAL SPRAYING</td>
<td>RENVILLE, MN</td>
<td>320-329-3471</td>
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<tr>
<td>LEADING EDGE AERIAL SPRAYING, LLC</td>
<td>DELL RAPIDS, SD</td>
<td>605-321-7372</td>
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<tr>
<td>LESMEISTER FLYING SERVICE</td>
<td>SABIN, MN</td>
<td>218-789-7150</td>
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<tr>
<td>OLSEM AERIAL APPLICATION SERVICES, LLC</td>
<td>WESTBROOK, MN</td>
<td>507-360-1281</td>
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<td>PETERSON AERIAL SPRAYING</td>
<td>STAPLES, MN</td>
<td>218-894-1987</td>
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<td>RED RIVER SPRAY SERVICE, LLC</td>
<td>DENT, MN</td>
<td>701-866-8129</td>
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<tr>
<td>SCOTT’S HELICOPTER SERVICES</td>
<td>LE SUEUR, MN</td>
<td>507-665-4064</td>
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<td>SHADY KNOLL FARM</td>
<td>REDWOOD FALLS, MN</td>
<td>507-640-0993</td>
<td>DRILL/PLANter</td>
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<td>TERYJON AVIATION</td>
<td>ST. PETER, MN</td>
<td>507-931-2419</td>
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<td>TOM FICK</td>
<td>LUVERNE, MN</td>
<td>507-920-9474</td>
<td>NO-TILL AIR DRILL</td>
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<tr>
<td>WEST CENTRAL AG-AIR, INC</td>
<td>FERGUS FALLS, MN</td>
<td>218-736-7220</td>
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EQUIPMENT AVAILABILITY AND FUTURE OPTIONS

Cover crop related equipment and technologies are quickly adapting to the needs and operations of farmers. Co-ops, equipment manufacturers, local conservation offices, and farmers themselves are developing new equipment or retrofitting old equipment for new uses that are specific to cover crop establishment.

- **Drill or Planter:** Contact your local implement dealer for purchase or lease cost.
- **Fertilizer Spreader:** Contact your local co-op for availability and rental cost.
- **High-clearance Vehicle:** Contact your local co-op for availability of a high-clearance vehicle capable of granular fertilizer application and therefore cover crop seeding.
- **Interseeder Drill (or similar unit):** One unit, commonly called the Pennsylvania Interseeder (http://www.interseedertech.com/product-details/), is capable of planting, side-dressing nitrogen, and drilling in cover crops at V4-V8 in corn. Other similar units are being manufactured by equipment companies. Farmers are also building similar units.
- **No-till Drill:** Contact your local soil and water conservation district or local co-op for availability and rental/lease cost.
- **ROWBOT:** A Minnesota company in development for a robot unit that will be capable of side-dressing nitrogen and seeding cover crops. www.rowbot.com Contact, Kent Cavender-Bares

QUESTIONS? ADDITIONS?

Contact: Jill Sackett Eberhart, University of Minnesota Extension – Mankato, MN
507-389-5541, sacke032@umn.edu
NOTICE:
The businesses in this document are in no way being endorsed by the University of Minnesota. Each business and contact have been recommended by farmers or ag professionals for cover crop related work and for inclusion in this document.

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