CHAPTER 1

INTRODUCTION TO DIRECT SEEDING

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INTRODUCTION

The purpose of this Direct Seeding Handbook is to establish guidelines for the who, what, when, where, how, and how much as relates to seeding directly nuts and seeds to establish a variety of hardwood tree species.

The intent of this handbook is to provide practical information that allows for local modification and input. It may be necessary for the user to read or collect needed information from reference materials provided. It is the intent of the primary developers to borrow from existing knowledge to the fullest extent and to broaden the scope of contents only when local users require further information.

Modifications and improvements will be considered annually, but they will be the result of local requests or a need for more exacting technical information in line with policies and procedures of the Illinois Department of Natural Resources, Division of Forest Resources or the USDA Natural Resources Conservation Service (NRCS).

This handbook provides the basics for successful direct seeding of a variety of forest species. Direct seeding is presented as another tool, together with seedling tree planting, for achieving high-quality stands of hardwood trees.

DIRECT SEEDING SUBCOMMITTEE
of the Association of Illinois Soil and Water Conservation Districts (AISWCD) Forestry Committee

Bob Sloan
AISWCD Forestry Committee Chair
RR1, Box 152
Washburn, IL 61570
Phone: 309/246-8391
email: rsloan@joysta.com

Ray Herman, Volunteer
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Seymour, IL 61875
Phone: 217/687-2712

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Tom Ward, Agroforester
USDA-Natural Resources
Conservation Service
2118 W. Park Court
Champaign, IL 61821
Phone: 217/353-6647, fax -6678
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SWCDs Promoting Direct Seeding

SWCD/NRCS Field Offices involved in direct seeding are indicated with darker shading. This map is current as of May 2002. Prepared by the Natural Resources Conservation Service.
**Direct Seeding Coordinators**

These individuals have a high level of interest in making direct seeding of woody species happen locally and statewide. These individuals are willing, ready, and able to tackle this activity because of current knowledge or ability to learn new skills. These individuals will typically be Resource Conservationists or other persons who work for or with the local Soil and Water Conservation District (SWCD).

**Direct Seeding Coordinator Responsibilities**

- Acts as first level of contact locally.
- Is knowledgeable of direct seeding techniques, local activities, and sites planted.
- Maintains list of direct seeding contractors.
- Helps establish seed needs.
- Helps identify seed trees and/or shrubs for local collection.
- Organizes seed collection.
- Networks with other coordinators concerning seed needs and availability.
- Develops needed reports in a timely manner.
- Arranges for local storage of seeds to maintain quality for planting.
- Helps establish local or regional purchase price and resale price by species needed.
- Has a list or knows what direct seeding equipment is available for collecting, sorting, storing, and planting.
- Determines, with supervisor, what training is needed to carry out these responsibilities.
- Schedules and receives needed training in a timely manner.
- Provides review and development comments to develop and maintain a useful Direct Seeding Handbook.
- Publicizes locally the practice of direct seeding (radio, newspapers, newsletters, information sheets, etc.).
- Maintains photo files for various direct seeding activities.
- Engages in any other activity that positively promotes direct seeding.
DIRECT SEEDING TECHNICAL CONTACTS

These individuals have a high level of interest in making direct seeding of woody species a common occurrence in their county or district. They will generally be individuals with strong technical backgrounds in forestry or forestry related activities. These individuals will typically be District Foresters, District Conservationists, or other professionals proficient with programs and activities related to direct seeding. These persons will be in direct or regular contact with the Coordinator.

Technical Contact Responsibilities

♦ Provides guidance and/or training to the Coordinator.

♦ Provides technical support for program funded or individually initiated direct seeding activities, i.e. develops conservation plans, forest management plans, planting plans, etc. needed to assure successful direct seeding activities.

♦ Develops with others local seed quality criteria and provides this information to local collectors.

♦ Communicates with appropriate Foresters (IDNR, District or State level, or NRCS Agroforester) on direct seeding issues when guidance is needed.

♦ Follows state level guidance (standards, handbook, published reference lists, etc.) for carrying out direct seeding activities or obtains a variance.

♦ Reviews Direct Seeding Handbook and other guidance materials and offers suggestions and comments for improvements.

♦ Helps contractors and others to improve equipment and ability to establish forest plantations by direct seeding.

♦ Talks with Coordinator regularly during busy seasons (collecting, planting, follow-up) to assure quality criteria are followed.

♦ Determines, schedules, and completes training needs in a timely manner.
**DIRECT SEEDING COORDINATORS & TECHNICAL CONTACTS BY COUNTY**

<table>
<thead>
<tr>
<th>Coordinates</th>
<th>Technical Contacts</th>
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</table>
| **Brown County** | Bob Church  
RC, SWCD  
P.O. Box 477  
Pittsfield, IL  62363  
Phone: 217/347-7107 ext. 3 |
| Todd Reische  
511 E. Main  
Mt. Sterling, IL  62353-1378  
Phone: 217/773-3993 ext. 3  
email: Todd.Reische@il.usda.gov |
| **Carroll County** | Ralph Eads  
District Forester, IDNR  
P.O. Box 6  
Mt. Carroll, IL  61053  
Phone: 815/244-3655  
email: reads@dnrmail.state.il.us |
| John Lundquist  
RC, SWCD  
807 C South Clay Street  
Mt. Carroll, IL  61053  
Phone: 815/244-8732 ext. 3  
email: John.Lundquist@il.usda.gov |
| **Champaign County** | Jay Hayek  
District Forester, IDNR  
301 South Date Street  
Gibson City, IL  60936  
Phone: 217/784-4730  
email: jhayek@dnrmail.state.il.us |
| Bruce Stikkers  
RC, SWCD  
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Champaign, IL  61821  
Phone: 217/398-5201 ext. 3  
email: Bruce.Stikkers@il.usda.gov |
| **Crawford County** | John Pearse  
DC, USDA-NRCS  
1212 N. Allen Street  
Robinson, IL  62454  
Phone: 618/544-7517 ext. 3  
email: John.Pearse@il.usda.gov |
| Kendall Crane  
RC, SWCD  
1212 North Allen  
Robinson, IL  62454  
Phone: 618/544-7517 ext. 3  
email: Kendall.Crane@il.usda.gov |
| **Effingham County** | Roger Jansen  
RC, SWCD  
2301 Hoffman Drive  
Effingham, IL  62401  
Phone: 217/347-7107 ext. 3  
email: Roger.Jansen@il.usda.gov |
| Bob Church  
District Forester, IDNR  
P.O. Box 477  
Pittsfield, IL  62363  
Phone: 217/285-2221  
email: bchurch@dnrmail.state.il.us |
| **Fayette County** | Tony Pals  
RC, SWCD  
301 South Third Street  
Vandalia, IL  62471  
Phone: 217/283-1095 ext. 3  
email: Tony.Pals@il.usda.gov |
| Ralph Eads  
District Forester, IDNR  
P.O. Box 6  
Mt. Carroll, IL  61053  
Phone: 815/244-3655  
email: reads@dnrmail.state.il.us |
| **Franklin County** | Dan Spivey  
Acting District Forester, IDNR  
P.O. Box 206  
Fairfield, IL  62837  
Phone: 618/847-3781  
email: djohnson@dnrmail.state.il.us |
| Janice Page  
RC, SWCD  
711 N. DuQuoin Street  
Benton, IL  62812  
Phone: 618/438-5872 ext. 111  
email: Janice.Page@il.usda.gov |
| **Hancock County** | Lori Bollin  
DC, USDA-NRCS  
110 Buchanan Street  
Carthage, IL  62321  
Phone: 217/357-2180 ext. 3  
email: Lori.Bollin@il.usda.gov |
| John Pearse  
DC, USDA-NRCS  
1212 N. Allen Street  
Robinson, IL  62454  
Phone: 618/544-7517 ext. 3  
email: John.Pearse@il.usda.gov |
| **Iroquois County** | Thad Eshleman  
RC, SWCD  
Suite A, 1001 E. Grant Street  
Warsaw, IL  60970  
Phone: 815/432-3946 ext. 112  
email: Thad.Eshleman@il.usda.gov |
| Jay Hayek  
District Forester, IDNR  
301 South Date Street  
Gibson City, IL  60936  
Phone: 217/784-4730  
email: jhayek@dnrmail.state.il.us |

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<tr>
<th>County</th>
<th>Coordinators</th>
<th>Technical Contacts</th>
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<tbody>
<tr>
<td>Lee County</td>
<td>Brenda Merriman RC, SWCD</td>
<td>Tom Wilson District Forester, IDNR P.O. Box 170 Carrollton, IL 62016 Phone: 217/942-3816 Email: <a href="mailto:twilson@dnrmail.state.il.us">twilson@dnrmail.state.il.us</a></td>
<td>Steven Hollister Agronomist, USDA-NRCS 16255 Liberty Street Morrison, IL 61270 Phone: 815/772-2124 Ext. 3 Email: <a href="mailto:Steven.Hollister@il.usda.gov">Steven.Hollister@il.usda.gov</a></td>
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<tr>
<td>Jersey County</td>
<td>Jacquie Simon DC, SWCD</td>
<td>Jerry Misek DC, USDA-NRCS 227 N. Main Street PO. Box 502 Elizabeth, IL 61028-0502 Phone: 815/858-3418 Ext. 3 Email: <a href="mailto:Jerry.Misek@il.usda.gov">Jerry.Misek@il.usda.gov</a></td>
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<tr>
<td>Jo Daviess County</td>
<td>Lester Johnson RC, SWCD</td>
<td>Randy Timmons District Forester, IDNR IVCC East Campus Bldg. 11 815 N Orland Smith Ave. Oglesby, IL 61348 Phone: 815/224-4048 Email: <a href="mailto:rtimmons@dnrmail.state.il.us">rtimmons@dnrmail.state.il.us</a></td>
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<tr>
<td>LaSalle County</td>
<td>Matt Stafford RC, SWCD</td>
<td>Clint Patterson District Forester, IDNR PO. Box 313 Olney, IL 62450 Phone: 618/393-6732 Email: <a href="mailto:cpatterson@dnrmail.state.il.us">cpatterson@dnrmail.state.il.us</a></td>
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<tr>
<td>Lawrence County</td>
<td>Gary Zwilling RC, SWCD</td>
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<td>Bob Sloan Director, SWCD 429 University Henry, IL 61537-9764 Phone: 309/364-3913 Email: <a href="mailto:rsloan@joysta.com">rsloan@joysta.com</a></td>
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<tr>
<td>McDonough County</td>
<td>David King RC&amp;D Coordinator Prairie Hills RC&amp;D Inc. 321 University Drive Macomb, IL 61455 Phone: 309/833-4747 Email: <a href="mailto:David.King@il.usda.gov">David.King@il.usda.gov</a></td>
<td></td>
<td>Jeff Hudgens Forester, Prairie Hills Forestry Consulting 321 University Drive Macomb, IL 61455 Phone: 309/833-4747 Email: <a href="mailto:jhudgens@macomb.com">jhudgens@macomb.com</a></td>
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<tr>
<td>Piatt County</td>
<td>Abbie Sperry RC,SWCD</td>
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<td>Brent Weaver Acting District Forester IDNR Hidden Springs State Forest Shelbyville, IL 62565 Phone: 217/644-2411</td>
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### Direct Seeding Coordinators & Technical Contacts by County

#### Coordinators

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<thead>
<tr>
<th>County</th>
<th>Coordinator Name</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
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<tbody>
<tr>
<td>Schuyler County</td>
<td>Larry Shelts</td>
<td>RR 4, Box 290, Rushville, IL 62681-0290</td>
<td>217/322-3359 ext. 3</td>
<td><a href="mailto:Larry.Shelts@il.usda.gov">Larry.Shelts@il.usda.gov</a></td>
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<tr>
<td>Vermilion County</td>
<td>Resource Conservationist</td>
<td>1905-A US Route 150, Danville, IL 61832</td>
<td>217/442-8511 ext. 3</td>
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<tr>
<td>Wabash County</td>
<td>Charles Trimble</td>
<td>219 W. 9th Street, Mt. Carmel, IL 62863</td>
<td>618/262-4962</td>
<td><a href="mailto:Charles.Trimble@il.usda.gov">Charles.Trimble@il.usda.gov</a></td>
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#### Technical Contacts

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<tr>
<td>Wayne County</td>
<td>Matt Peterson</td>
<td>P.O. Box 406, Havana, IL 62644</td>
<td>309/543-3401</td>
<td><a href="mailto:mpeterson@dnrmail.state.il.us">mpeterson@dnrmail.state.il.us</a></td>
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<tr>
<td>Whiteside County</td>
<td>Jay Hayek</td>
<td>301 South Date Street, Gibson City, IL 60936</td>
<td>217/784-4730</td>
<td><a href="mailto:jhayek@dnrmail.state.il.us">jhayek@dnrmail.state.il.us</a></td>
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<td>Clint Patterson</td>
<td>P.O. Box 313, Olney, IL 62450</td>
<td>618/393-6732</td>
<td><a href="mailto:cpatterson@dnrmail.state.il.us">cpatterson@dnrmail.state.il.us</a></td>
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<tbody>
<tr>
<td>Wayne County</td>
<td>Aime Gregory</td>
<td>P.O. Box 406, Havana, IL 62644</td>
<td>309/543-3401</td>
<td>aime <a href="mailto:Gregory@il.usda.gov">Gregory@il.usda.gov</a></td>
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<tr>
<td>Whiteside County</td>
<td>Dave Harrison</td>
<td>16255 Liberty Street, Morrison, IL 61270</td>
<td>815/772-2124 ext. 116</td>
<td><a href="mailto:Dave.Harrison@il.usda.gov">Dave.Harrison@il.usda.gov</a></td>
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<td>Bruce Currie</td>
<td>23 Industrial Drive, Fairfield, IL 62837</td>
<td>618/847-7516 ext. 3</td>
<td><a href="mailto:Bruce.Currie@il.usda.gov">Bruce.Currie@il.usda.gov</a></td>
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<td>Mark Kaiser</td>
<td>16255 Liberty Street, Morrison, IL 61270</td>
<td>815/772-2124 ext. 116</td>
<td><a href="mailto:Mark.Kaiser@il.usda.gov">Mark.Kaiser@il.usda.gov</a></td>
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#### NOTE: In lieu of those listed, contact an IDNR District Forester.
**LIST OF COUNTY CONTACTS**

People who, for various reasons, are important resources for seed collection and direct seeding.

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Telephone, E-mail</th>
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# List of County Support Persons

People who can support seed collection and direct seeding in various ways.

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Telephone, E-mail</th>
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# References


*Direct Seeding.* 1998, One-Stop Forestry, Postville, IA. 3 pp.


*Copy provided in Appendix of Direct Seeding Handbook.*

**NOTE:** Copies of all of the above are available for up to a 2-week loan from the NRCS State Agroforester. Some references may also be available from IDNR District Foresters, the IDNR Forest Management Staff Forester, and the State Cooperative Extension Forester.