

## Native Plant Propagation Websites

**Native Plant Information Network**, Lady Bird Johnson  
Wildflower Center  
<http://wildflower.utexas.edu/>

**The PLANTS Database**, USDA, NRCS. 2006  
<http://plants.usda.gov>. National Plant Data Center, Baton Rouge, LA 70874-4490 USA. The PLANTS Database provides standardized information about vascular plants, mosses, liverworts, hornworts, and lichens of the U.S. and its territories. It includes names, plant symbols, checklists, distributional data, species abstracts, characteristics, images, crop information, automated tools, onward Web links, and references. This information primarily promotes land conservation in the United States and its territories, but academic, educational, and general use is encouraged. PLANTS reduces government spending by minimizing duplication and making information exchange possible across agencies and disciplines.

**Native Plant Propagation Protocol Database**, sponsored by the *NativePlants Journal*  
<http://www.nativeplantnetwork.org/network/>. The Native Plant Network is devoted to the sharing of information on how to propagate native plants of North America (Canada, Mexico, and US). Searchable database, can upload protocols of species you successfully grow. Not sure anyone is editing the information for accuracy?!

**Prairie Moon Nursery**, Winona, MN  
<http://www.prairiemoon.com/plantingguidelines.php>  
Guidelines for planting a prairie and post-planting management, seed counts, propagation information, seed treatments, price list

**PlantFinder Database, Missouri Botanical Garden**, Kemper Center for Home Gardening  
<http://www.mobot.org/gardeninghelp/plantfinder/Alpha.asp>  
Plant info for comprehensive list of species, woody, annual, perennial, etc, not exclusively natives.

**Native Iowa Woodland Understory Restoration: A Guide to Collecting and Germinating Seeds**, Center for Prairie Studies, Grinnell College, Grinnell, IA  
<http://web.grinnell.edu/individuals/mottll/resources.htm>

**Illinois Wildflowers**  
<http://www.illinoiswildflowers.info/index.htm>. This website has descriptions, photographs, and range maps of many native species of vascular plants in Illinois from various habitats (prairie, savanna, woodlands, wetlands). Copyright © 2002-2006 by John Hilty, All Rights Reserved. Last Updated: 10-29-06

**Ontario Rock Garden Society**  
<http://www.onrockgarden.com/>, this guide provides recommendations for germination of over 4600 seeds listed in the seed exchange of the Ontario Rock Garden Society from 1995 to 2003. For each species, a single germination technique has been chosen from several successful approaches for dry seed stored 6 months @ 20 °C, except where noted. While this data is based primarily on the experience of ORGS members, we

have also relied extensively on methods described by Norman Deno (*Seed Germination Theory and Practice*), Dr. Pavel Slaby (<http://web.kadel.cz/flora>) and Tom Clothier ([www.anet-chi.com/~manytimes/index.htm](http://www.anet-chi.com/~manytimes/index.htm)).

**Manual of Grasses for North America**, Utah State University.  
<<http://herbarium.usu.edu/grassmanual/>> Species distribution maps, good line illustrations, taxonomic treatments, etc.

**Grasses of Iowa**. Iowa State University Department of Ecology, Evolution, and Organismal Biology  
<http://www.eeob.iastate.edu/research/iowagrasses/index.html>.

**Green Landscaping with Native Plants** Environmental Protection Agency (EPA)  
<http://www.epa.gov/greenacres/> website for native landscaping in Mid-West

## Native Plant Propagation/ID Books

**An illustrated guide to Iowa prairie plants**. Christiansen P, and M. Muller. 1999. University of Iowa Press. Iowa City, Iowa. 237p.

**Handbook of Wildflower Cultivation**. Taylor K, and S. Hamblin. 1963. Macmillan Company. New York. 307p.

**How to Know the Grasses**. Pohl, Ricard W. 1978. William C. Brown Company, Dubuque, IA.

**Native Grass Seed Production Manual**. Smith, R. Jr. and S. Smith, Eds. Cooperative publication of USDA-NRCS Plant Materials Program, Ducks Unlimited Canada, Manitoba Forage Seed Assoc., and Univ. of Manitoba. Contact Ducks Unlimited, Winnipeg 204-953-8200 (\$30.00 plus shipping)

**The New England Wild Flower Society guide to growing and propagating wildflowers of the United States and Canada**. Cullina W. 2000. Houghton Mifflin Company. Boston, Massachusetts. 322p. Some helpful information for propagating native forbs.

**North American Prairie**. Weaver, J.E. 1954. Lakeside Press, R.R Donnelley & Sons Company, Chicago, IL and Crawfordsville, IN. (excellent source of information on habitat preferences of native species, root development).

**North American Range Plants, 4<sup>th</sup> Ed**. Stubbendieck, James, S.L. Hatch, C.H. Butterfield. 1992. University of Nebraska Press, Lincoln and London Good line drawings of native grasses with field characters, soil preferences, range maps.

**Nursery Manual, The**. Bailey L. 1928. Macmillan Company. New York. 456p.

**Plant Propagation.** Hartmann H, Kester D, Davies F. 1990. Prentice-Hall, Inc. Englewood Cliffs, New Jersey. 647 p.

**Prairie Propagation Handbook.** Rock, H. Milwaukee Boener Botanical Garden.

**Prairie Seedlings Illustrated: An identification guide.** Vol. 1: Twenty selected grasses and forbs. Jackson, L. and Dittmer, L. 1997. Dept. of Biology, Univ. of Northern Iowa, Cedar Falls, IA. (Write to: Prairie Seedlings Illustrated, Dept. of Biology, Univ. of N. Iowa, Cedar Falls, IA 50614, \$5/copy)

**The Prairie Garden: 70 native plants you can grow in town or country.**

Smith R, and B. Smith. 1980. University of Wisconsin Press. Madison, Wisconsin. 219p.

**Propagation of Wetland Plants, Herbaceous Plants, Shrubs and Trees.**

McIninch, S.M., and E.W. Garbisch. 2003. Environmental Concerns, Inc., P.O. Box P, 201 Boundary Lane, St. Michaels MD 21663.

**Restoring the Tallgrass Prairie: An illustrated Manual for Iowa and the Upper Midwest.** 1994. Shirley, S. University of Iowa Press, Iowa City. (good information on propagation by seed, division)

**Seed Germination Theory and Practice.** Deno, Norman C. 1993.: based on experiments on 145 families, 805 genera, and about 4000 species. 2<sup>nd</sup> Ed. (Write to: Norman C. Deno, 139 Lenor Drive, State College PA 16801)

**Seed Production, Principles and Practices.** McDonald, M. and L.O. Copeland, International Thomson Publishing.

**Tallgrass Restoration Handbook.** Packard S, and C. Mutel. 1997. Island Press. Washington, D.C. 463p.

**The Complete Handbook of Plant Propagation.** Wright, R. 1973. Macmillan Publishing. New York, New York. 191 p.

**Tallgrass Prairie Wildflowers.** Ladd, D. and F. Oberle. 1995. Published in cooperation with The Nature Conservancy. Falcon Press Publishing Co., Inc. Helena-Billings, MT.

**Wildflowers of the Tallgrass Prairie, the Upper Midwest.** Runkel, S. and D. Roosa. 1989. Iowa State University Press, Ames, IA.

## Research Papers on Native Seed Germination

**Seeds: Ecology, Biogeography, and Evolution of Dormancy and Germination.** Baskin, C. and Baskin, J. 1998.. Academic Press. (highly technical, but lots of tables summarizing

germination treatments by family, and summaries of germination research, including native genera)

**Seed germination and dormancy**  
Black, M. 1970.. Sci. Prog. Oxford Vol. 58 pp. 379-393.

**Viability and germination of seeds and early life history of prairie plants.**  
Blake, A.K. 1935. Ecol. Monographs, Vol. 5. No. 4 pp 405-460

**Notes on prairie species in Iowa. I. Germination and establishment of several species.** Christiansen, P. and Landers, R.Q. 1966. J. of Iowa Acad. of Science. Vol. 73 pp 51-59.

**Germination of prairie forbs *Liatris aspera* Michx. and *Amorpha canescens* Pursh.** Churbuck, L. M. 1975. M.S. Thesis, University of Northern Iowa, Cedar Falls, IA 50614.

**Germination studies of Wisconsin prairie plants.**  
Greene, H.C. and J.T. Curtis. 1950. The American Midland Naturalist. Vol. 43. No. 1 pp 186-194.

**The influence of exposure to winter temperatures upon seed germination in various native american plants.**  
Nichols, G.E. 1934. Ecology, Vol. 15, No. 4 pp 365-373.

**Seed dormancy of *Panicum virgatum* L. on the Shoreline Sand Dunes of Lake Erie.**  
Zhang, J. and M. Maun. 1989. American Midland Naturalist. 122:77-87.

**Native Seedlings:**

**Prairie Seedlings Illustrated: An identification guide. Vol. 1: Twenty selected grasses and forbs.** Jackson, L. and Dittmer, L. 1997. Dept. of Biology, Univ. of Northern Iowa, Cedar Falls, IA. (Write to: Prairie Seedlings Illustrated, Dept. of Biology, Univ. of N. Iowa, Cedar Falls, IA 50614, \$5/copy)

**Central Region Seedling ID Guide for Native Prairie Plants.** October 2005. USDA NRCS Elsberry Plant Materials Center, Missouri Dept. of Conservation (MDC), Grownative! Write to: Missouri Dept. of Conservation, PO Box 180, Jefferson City, MO 65102. Ph 573-751-4115. <http://mdc.mo.gov/grownative/plantID/>

## Weeds/Weed Seedling ID References

**Common Weed Seedlings of the North Central States.** Chomas, A.J., J.J. Kells, J.B. Carey. 1998. Michigan State University, East Lansing, MI. Copies can be purchased from: Bulletin Office, 10-B Ag. Hall, Michigan State University, East Lansing, MI 48824-1039; phone 517-355-0240).

**Weed Seedlings.** Kummer, Anna P. 1951. The University of Chicago Press, Chicago, Ill. (includes drawings of a number of native plants)

**Nebraska Weeds.** Nebraska Dept. of Agriculture. 1971. Nebr. Dept. of Ag., Lincoln, NE (includes native species!)

**Weeds of Northern U.S. and Canada.** Royer, F. and R. Dickinson. 1999. The Univ. of Alberta Press/Lone Tree Publishing.

**Websites:**

<http://www.extension.unm.edu/distribution/cropsystems/DC1351.html#tail>  
(U. of MN Extension, list of species w/link to seedling photo)

<http://www.weeds.iastate.edu/weed-id/weedid.htm>  
(Iowa State, list of species w/link to seedling photo)

[http://www.ppws.vt.edu/scott/weed\\_id/rightsid.htm](http://www.ppws.vt.edu/scott/weed_id/rightsid.htm)  
(Virginia Tech, Procedure and Q's about identifying weed seedlings, step by step)

<http://www.msue.msu.edu/msue/iac/e1363/e1363.htm>  
(Michigan St, many seedling pics, talks about each species, Nice)

<http://www.gov.on.ca/OMAFRA/english/crops/weedquiz/index.html>  
(Weed seedling quiz from Ontario)

[http://www.btny.purdue.edu/Faculty/Gibson/slideviewer.fcgi/folder=Faculty/Gibson/Weed\\_Seedlings\\_PPT](http://www.btny.purdue.edu/Faculty/Gibson/slideviewer.fcgi/folder=Faculty/Gibson/Weed_Seedlings_PPT)  
(Weed seedling identification slide show)

<http://www.theseedsite.co.uk/seedlings11.html>  
(Many weed seedling photos)

## Seeding/Harvesting Equipment Vendors

**AGCO**, [www.agcocorp.com/](http://www.agcocorp.com/)

See website for equipment and dealers

Manufacturer, marketer, distributor of agricultural equipment worldwide.

**Ag-Renewal, Inc.**, [www.ag-renewal.com/](http://www.ag-renewal.com/)

1710 Airport Road, Weatherford, OK 73096 PH 800.658.1446, FAX 405.772.6887, email: [ag-renewal@itlnet.net](mailto:ag-renewal@itlnet.net)  
Flail-Vac seed harvesters, cleaners

**BEFCO, Inc.** [www.befco.com/](http://www.befco.com/)

1781 S. Wesleyan Blvd., Rocky Mount, NC 27802. PH 252.977.9920, FAX 252.944.9718.  
Hop Spreaders (fertilizer/seed)

**Brillion Farm Equipment**, [www.brillionfarmeq.com/](http://www.brillionfarmeq.com/)

200 Park Ave., Brillion, WI 54110. PH 800.409.9749, FAX 920.756.3409, Email: [biwfesales@brillionironworks.com](mailto:biwfesales@brillionironworks.com).  
Manufactures a full line of tillage, seedbed preparation and planting equipment.

**Great Plains**, [www.greatplainsmfg.com/](http://www.greatplainsmfg.com/)

1525 E. North Street, P.O. Box 5060, Salina, KS 67401.  
Planters, precision seeding, drills, sprayers, tillage equipment

**Herd Seeder Co. Inc.**, [www.herdseeder.com/](http://www.herdseeder.com/)

2383 South US 35, Logansport, IN 46947. PH 574.753.6311.  
Spreaders (fertilizer/seed)

**Land Pride, Div. of Great Plains Mfg., Inc.**, [www.landpride.com/](http://www.landpride.com/)

1525 E. North Street, P.O. Box 5060, Salina, KS 67401.  
Turf type seeders, mowers, turf equipment.

**Kincaid Equipment Mfg**, [www.kincaidequipment.com/](http://www.kincaidequipment.com/)

P.O. Box 400, Haven, KS 67543. PH 620.465.2204 or 800.854.7287.

Combines, cleaners, harvesting equipment

**Prairie Habitats, Inc.**, [www.prairiehabitats.com/](http://www.prairiehabitats.com/)

P.O. Box 10, Argyle, Manitoba. Canada, ROC OBO. PH 204.467.9371, FAX 204.467.5004. Pull-type, front-end loader, and hand held seed strippers

**Sukup Manufacturing Company**, [www.sukup.com/](http://www.sukup.com/)

P.O. Box 677, 1555 255<sup>th</sup> St, Sheffield, IA USA 50475-0677. PH 641.892.4222, FAX 641.892.4629, Email: [info@sukup.com](mailto:info@sukup.com).  
Landscape seeders (turf)

**Truax Company, Inc.**, [www.truaxcomp.com/](http://www.truaxcomp.com/)

4300 Quebec Avenue North, New Hope, MN 55428. PH 763.537.6639, FAX 763.537.8353.

Native grass drills, Trillion broadcast seeder, Seed slinger, Range drills

**Market Farm Implement**, [www.marketfarm.com/](http://www.marketfarm.com/)

257 Fawn Hollow Road, Friedens, PA 15541. PH 814.443.1931  
Vicon Fertilizer Spreader (broadcast seeding ) /[cfms/vicon\\_fertilizer\\_spreader.cfm](http://cfms/vicon_fertilizer_spreader.cfm)

## Seed Processing/Cleaning Equipment

**A.T. Ferrell Company, Inc.** [www.clipperseparation.com/](http://www.clipperseparation.com/)

1440 South Adams Street, Bluffton, IN 46714 USA. PH 800.248.8318, FAX 260.824.5463, Clipper Cleaner seed and grain cleaners

**Carter Day International** [www.carterday.com/](http://www.carterday.com/)

Large scale seed cleaning equipment

**Cimbria Bratney Companies, Inc.** [www.bratney.com/cim/](http://www.bratney.com/cim/)

3400 109th St., Des Moines, IA 50322 PH 800.247.6755 FAX 515-276-2067  
Seed cleaning/processing equipment

**Commodity Traders International**, [www.commoditytraders.biz/](http://www.commoditytraders.biz/)

101 E. Main Street, PO Box 6, Trilla, IL 62469 USA.  
PH 217.235.4322, FAX 217-235-3246. Email: [sales@commoditytraders.biz](mailto:sales@commoditytraders.biz)

Seed cleaning, grain handling, feed milling, recycle processing equipment

**Crippen Manufacturing Company** [www.crippenmfg.com/](http://www.crippenmfg.com/)

400 Woodside Drive, St. Louis, MI USA 48880, PH. 800.872.2474, FAX 989.681.3818

Seed and grain processing equipment

**Forsbergs Inc.** [www.forsbergs.com/](http://www.forsbergs.com/)

P.O. Box 510, 1210 Pennington Ave, Thief River Falls, Mn. 56701-0510  
1-800-654-1927

Forsberg electric seed scarifier, they also offer a full line of seed cleaning equipment.

**Mill-Mac, LLC** [www.mill-mac.com/](http://www.mill-mac.com/)

Box 16355, Missoula, MT 59808. PH 866-240-0069  
Seed and grain cleaning equipment

**Oliver Manufacturing Company, Inc.** [www.olivermfgco.com/](http://www.olivermfgco.com/)

P.O. Box 512, Rocky Ford, CO 81067, PH 888.254.7813, FAX 719.254.6371  
Gravity tables

**Popp Engineering, Inc.** [www.poppengineeringinc.com/](http://www.poppengineeringinc.com/)

P.O. Box 1871, Ames, IA. 50010, (515) 232-6118

Seed production facility services, equipment resources

**Seedburo Equipment Company** [www.seedburo.com/](http://www.seedburo.com/)

1022 W. Jackson Blvd. Chicago, IL 60607

Phone Toll-Free: 800-284-5779 (US & Canada) Fax: 312-738-5329

Seed cleaning/storage equipment

**Westrup, Inc.**, [www.westrup.com/](http://www.westrup.com/)  
700 E. Park Blvd., Ste. 210, Plano, TX 75074  
Westrup seed cleaning equipment air/screen cleaner, gravity table, brush machine, indent cylinder, belt sorter, debearder

**Winona Attrition Mill Co.**, [www.winonaattritionmill.com/](http://www.winonaattritionmill.com/)  
1009 W 5<sup>th</sup> Street, Winona, MN, 55987. PH 507.452.2716.  
Seed cleaning equipment, conveyors, hammer mills

### **Horticultural Supplies**

**DeWitt Company**, [www.dewittcompany.com/](http://www.dewittcompany.com/)  
905 South Kingshighway, Sikeston, MO 63801, 800.888.9669  
Landscape fabrics, weedbarrier 6 ft and 12 ft widths.

**Hummert International**, [www.hummert.com/](http://www.hummert.com/)  
4510 Earth City Expressway, Earth City, MO 63045. PH 800.325.3055  
Comprehensive horticultural supplies, greenhouses. On-line catalog.

**Inman Irrigation, Inc.**, [www.inmanirrigation.tripod.com/](http://www.inmanirrigation.tripod.com/)  
892 Arapaho Road, Inman, KS 67546. PH 800.886.2380  
Irrigation equipment

**EMD Crop BioScience** [www.nitragin.com/](http://www.nitragin.com/)  
(Formerly Liphatech) PH 800.558.1003.  
Innoculants for legumes

**Stuewe and Sons, Inc.** [www.stuewe.com/](http://www.stuewe.com/)  
2290 SE Kiger Island Dr, Corvallis, OR 97333-9425 USA,  
800.553.5331  
Greenhouse conetainers, trays, dibbles, zipset bands, etc.

## **Seed Storage Equipment/Supplies**

**Bag Lady, The**  
1743 Hwy. 601 South, Lugoff, S.C. 29078, 1-800-BAG-LADY  
custom sized cotton duct bags with draw strings to fit 30 gallon plastic can for bulk harvest of small production plots

**Cerf Brothers Bag Company**  
4240 Ryder Trail Drive, Earth City, MO PH 800.237.3224  
Manufacture seed bags.

**Hubco, Inc.**, [www.hubcoinc.com/](http://www.hubcoinc.com/)  
P.O. Box 1286, 215 South Poplar, Hutchinson, KS 67504-1286.  
PH 800.563.1867, FAX 620.663.5053, Email: [hubcoinc@mindspring.com](mailto:hubcoinc@mindspring.com)  
Manufacture and printer of cloth, woven and non-woven packaging, custom bags

**Kapak Corporation.** [www.kapak.com/](http://www.kapak.com/)  
5305 Parkdale Dr, St. Louis Park, Mn. 55416-1681, 1-800-527-2557  
Heat sealer and foil pouches for long term seed storage of small lots.

**Fischbein Company**, [www.fischbein.com/](http://www.fischbein.com/)  
151 Walker Road, Statesville, NC 28625. PH 704.871.1159,  
FAX 704.872.3303, Email: [sales@fischbein.com](mailto:sales@fischbein.com).  
Bag closing (sewing, sealing, etc), bag packaging technology

**Spear Envelope Company**, [www.spearenvelope.com/](http://www.spearenvelope.com/)  
2802 Hedberg Dr, Hopkins, MN 55305. PH 952.545.7124, FAX 952.545.0196, Email: [thegang@spearenvelope.com](mailto:thegang@spearenvelope.com)

**Spot Cooler, Inc.** [www.spot-coolers.com/](http://www.spot-coolers.com/)  
38243 Eagle Way, Chicago, IL 60678. PH 800.367.8675  
Dehumidifiers, compact coolers, portable or permanent