



IRIS

NEWSLETTER

Alberta Native Plant Council
Box 4524, Station SE, Edmonton, Alberta T6E 5G4

ISSUE 12

Winter 1992

Editor's Note

A year has passed since our last successful Conference and AGM in Edmonton. (Over 200 people attended, stretching our lunch provisions past the point of no return). The planning for our 1992 leap year conference is complete. The program includes slides to banish your February blues, an update of current research on riparian poplars and groundsel, a discussion of rare Alberta species and special spaces, and a panel discussion on problem species - the invaders. Lunch will be provided (enough for all), and for those attending the short Annual General Meeting, hot pizza will be served. Please register early so we can estimate space and food needs.

Positions are open for Treasurer, Southern Director, Newsletter Editor and Information and Education Chairperson as well as anything else you would like to do. The ANPC board is a working group. If you feel like doing something constructive for our environment, think about joining us. We meet every second month in Edmonton, Red-Deer or Calgary, we get lots of constructive work done and we enjoy ourselves in the process.

Our new Seed Directory is included. Thanks go to Carole Callenso for helping to compile it. We will be sending copies to the Alberta Landscape Architects Association, Landscape and Nursery Trades Associations, Horticultural Societies and District Agriculturalists. Please pass your copy along to interested parties if you are not using it.

Acting Editor (this issue only)
Dana Bush

Questions, comments, submissions re. the newsletter?? Please write to: The Editor, ANPC, Box 4524, Station 'SE', Edmonton T6E 5G4

COUNCIL NEWS

Alberta Native Plant Council

Executive

Chairman: Elisabeth Beaubien (Dept. of Botany, University of Alberta)

Vice-Chairman: Cliff Wallis (Consultant, Naturalist)

Secretary: Lorna Allen (Biologist, Natural and Protected Areas, Alberta Forestry, Lands and Wildlife)

Treasurer: Julie Hrapko (Botanist, Provincial Museum)

Director (Northern Region): Linda Kershaw

Director Southern Region): Kathleen Wilkinson (Biologist, Consultant)

Director (Federation of Alberta Naturalists representative): Derek Johnson (Canadian Forestry Service)

Past Chairman: Dr Peter L. Achuff (Dept. of Forest Science, University of Alberta)

Committees

Education and Information: Call Joyce Gould

Conservation Action Committee: Cliff Wallis 271-1408

Rare Plants Committee: Derek Johnson (436-8231)

Reclamation and Horticulture Committee: Dana Bush (282-3975) or Kathy Wilkinson (278-3203)

CONFERENCES 1992

12% by 2000

JANUARY 25, 1992
Percy Page Centre
11759 Groat Road
EDMONTON

- Status of representative habitats in Alberta
- Workshops on preserving additional areas.
- The leading role taken by Industry in saving the habitat

Contact: Federation of Alberta Naturalists
Box 1472
Edmonton, Alberta T5J 2N5
\$30.00 before January 20, 1992.
Late registration \$40.00

13TH NORTH AMERICAN PRAIRIE CONFERENCE

AUGUST 6-9
WINDSOR, ONT.

- Prairie management
- Prairie restoration and rehabilitation
- Native American Perspective
- Managing the human element
- Roadside Prairies
- Landscaping with Native Prairie Plants
- New research on Prairie Ecosystems and Oak Savannas

Contact: Paul Pratt.
Dept. of Parks & Recreation
2450 McDougal St.,
Windsor, Ontario N8X 3N6
(519) 966-5852

THIRD PRAIRIE CONSERVATION AND ENDANGERED SPECIES WORKSHOP

FEBRUARY 14-16, 1992
Brandon University
BRANDON MANITOBA

- Prairie Conservation Action Plan
- Agriculture & Wildlife Conservation Policy
- Endangered Species
- Rural Economics & Prairie Species
- Biological Diversity
- Chemicals & Wildlife
- On-Farm Soil & Water Conservation
- Endangered Spaces Campaign

Contact: Rural Development Institute
Rural Development Institute
Brandon University
Brandon Manitoba
R7A 6A9

For Edmonton Bus Call Elisabeth 438-1462
For Calgary Bus Call Howard 283-3392
Regular fee \$25.00, Student \$15.00, Saturday Banquet \$22.00, Friday lunch \$8.00, Saturday lunch \$8.00.
Please register by January 31, 1992.

SOCIETY FOR ECOLOGICAL RESTORATION

AUGUST 9-14, 1992
University of Waterloo
WATERLOO, ONTARIO

- Park and Forest Management
- Restoration of Urban, Urban fringe, and rural lands
- Aboriginal perspectives on restoration
- Great Lakes bioregional issues
- Regional landscape planning
- Environmental education
- Community-based restoration
- 3 days of guided field trips are planned, 2 of them shared with the 13th annual N.A. Prairie Conference

Contact: Nik Lopoukhine, Acting Director
Natural Resources Branch,
Environment Canada
10 Wellington Street,
Hull, Quebec, K1A 0H3
(819) 997-4900

Stamp Out Winter! Look at Plants All Year Long with the . . .

EDMONTON PLANT STUDY GROUP

Meetings in the New Year will resume as follows:

Workshops/Lab Meetings:

2nd Thursday of the month in Botany 521 or the Herbarium on the sixth floor (Botany) of the Bio Sciences Building, University of Alberta, 7:30 p.m.

Lecture Meetings:

4th Thursday of the month in the ground-floor Lecture Room, Provincial Museum, 7:30 p.m.

January 23, 1992

Pat Mitchell, a biologist with Alberta Environment, and coeditor of Atlas of Alberta Lakes, will talk on "Aquatic Vegetation of Albertan Lakes." (PM)

February 27, 1992

Ann Smreciu, botanist, will speak of her recent work with legumes in a lecture and slide show entitled "Native Legumes for Reclamation." (PM)

March 26, 1992

In his presentation, "Prairie Restoration: Can We Do It?" Dean Nernberg, botanist, describes his work at Last Mountain Lake, Saskatchewan, and the U of A, on the feasibility of using native grass species to recreate prairie. (PM)

Lectures are informal, and followed by a question period, refreshments and socializing. Suggestions of further topics and volunteer speakers are always welcome.

Workshops at the U of A may consist of mounting specimens from the University's collection, looking at herbarium specimens, or focusing on a specific group or groups of plants. Check with Patsy Cotterill (481-1525) before the second Thursday of the month for more information.

For more information on meetings, phone Margaret Flatman (451-0429, evenings) or Patsy Cotterill (481-1525, evenings).

There'll be plenty to do . . . in 1992!

Plant Study Group members are compiling a list of venues in and around the city of Edmonton for field trips in 1992, and leaders to lead them. Ideally, there will be one evening walk a week throughout the season. The idea is to re-discover some of our good, local plant-hunting grounds and monitor the more interesting plants that were listed in the "Checklist of the Non-Cultivated Vascular Plants Occurring in the City of Edmonton," published recently in the Edmonton Naturalist. Let us know if you wish to receive the field-trip list or can volunteer as a leader.



Hardy BBT Limited

CONSULTING ENGINEERING & ENVIRONMENTAL SERVICES

Our Project No. CE01261
Your Reference No.

December 3, 1991

The Editor
A N P C
Box 4524, Station 'SE'
Edmonton, Alberta
T6E 5G4

Dear Joan:

Re: Proposed Westcastle Four Seasons Report - Rare Plants

In the Fall 1991 issue of Iris, Dave Shepard reported the tentative identification of *Viola macloskeyi* in the proposed development area. Due to uncertainty of identification we requested that Dr. John Packer examine several specimens, who confirmed the violet as being the common *Viola palustris*.

To date, the number of rare plants (according to Packer and Bradley 1984) found in the area is four, which are listed as follows:

Common Name	Scientific Name	Distribution
1) Bear grass	<i>Xerophyllum tenax</i>	Widespread in pine forest from valley bottom to above treeline.
2) Large flowered ragwort	<i>Senecio megacephalus</i>	Sparse above treeline.
3) Mountain box	<i>Pachystima myrsinites</i>	Widespread in pine forest from valley bottom to treeline.
4) Red twinberry	<i>Lonicera utahensis</i>	Occasional in pine forest and clearings.

According to Packer and Bradley (1984), in Alberta these species are wholly restricted to the extreme southwestern part of the province especially Waterton Lakes National Park, but are not infrequent within it. These species are also found in southern British Columbia, and nearby states including Montana, Idaho, Utah and south to California.

I would appreciate your adding this clarification to the next issue of Iris.

Yours truly,

Hardy BBT Limited

David E. Reid, M.Sc., P.Biol.
Manager, Resource Inventory and Analysis
Environmental Services Division

Packer, J.G., and C. Bradley. 1984. A checklist of rare vascular plants in Alberta. Alberta Culture. Provincial Museum of Alberta. Natural History Occasional Paper No. 5. Edmonton, Alberta.

The Alberta Native Plant Councils' Second Annual (1991)

NATIVE SEED CATALOGUE - SOURCES AND SUPPLIERS

The following is a list of companies and organizations where native seed or plants might be obtained. This list should not be considered complete. Anyone knowing of companies which should be included, or information which should be altered, please contact the ANPC or Dana Bush 282-3975.

All plants listed here are considered native to Alberta by John Packer in:
Flora of Alberta E.H. Moss. 2nd Edition 1983, John Packer. Univ. of Toronto Press.

Native plants used for reclamation should be chosen on a regional basis only. Species should not only be native to the specific site, but the original plant material should be collected in the same bio-geo-climatic region. Eg. Reclamation projects around Edmonton should use species native to and collected from the Aspen Parkland around Edmonton. Lethbridge projects should specify plants native to and collected from the mixed grass prairie in southern Alberta. Please use a local grower and specify local plant material.

Growers and Reclamation specialists have a responsibility to use material which has been collected and propagated in an ethical manner. Check to ensure that trees, shrubs and perennials have been propagated, not wild dug.

SEED HOUSES

ALBERTA

Calgary Zoological Society

P.O. Box 3036, Stn. B.

Calgary, AB T2M 4R8

Donna Balzar

(403) 232-9300

- zoo members can order 5 packets of seed . 1990 seed list included 18 "wildflowers", 12 of which are native.

- after March 14, 1992, zoo visitors may also be able to order seed. Call Donna for more information.

Devonian Botanic Garden

987-3054

The U of A., Edmonton, AB T6G 2E1

Devon, Alberta

- \$26.75 single membership gives you the quarterly newsletter (Kinnikinnick) and one free pass to the garden.

- members may order up to 25 packets of seed . The 1990-91 catalogue listed 29 species of Alberta native plants.

- catalogue gives tips on pretreatment requirements for seed germination.

- most seed originates from the garden or is donated by Alberta gardeners.

Hannas Seeds

Box 849, Lacombe AB, T0C 1S0

Nick Hanna

1-800-661-1529

782-6671 FAX 782-6503

- orders grass seed from Big Sky Montana, and harvests some from native stands in Alberta.
- did not give details on sources of individual species or Latin names.

Grasses: *Agropyron dasystachyum* (Northern & Streambank wheatgrass), *Agropyron smithii* (Western wheatgrass), *Agropyron spicatum* (Bluebunch wheatgrass), *Agropyron trachycaulum* (Slender wheatgrass), *Agrostis scabra* (Ticklegrass), *Bouteloua gracilis* (Blue grama), *Calamovilfa longifolia* (Prairie sandreed), *Deschampsia cespitosa* (Tufted Hairgrass), *Koeleria cristata* (= *K. macrantha*) (Prairie Junegrass), *Oryzopsis hymenoides* (Indian ricegrass), *Poa palustris* (Fowl Bluegrass), *Sporobolus cryptandrus* (Sand Dropseed), *Stipa comata* (Needle and thread), *Stipa viridula* (Green Needlegrass), Basin Wildrye, Alkali grass *Puccinellia* ?, Switch grass

Forbs: *Achillea millefolium* (yarrow), *Artemisia* spp. (Sagewort spp.) *Artemisia cana* (Sage Brush), *Astragalus* spp. (Milkvetch spp.) *Atriplex argentea* ? (Saltbush) *Gaillardia aristata* (Gaillardia), *Helianthus* spp. (sunflower) *Linum lewisii* (Lewis Blueflax), *Petalostemon* spp. (Prairie Clover), *Potentilla* spp. (Cinquefoil spp.), *Ratibida columnifera* ? (Prairie coneflower), *Sphaeralcea* spp. (Globe mallow)

Shrub seeds:

Eurotia lanata (Winter fat), *Symphoricarpos albus* (Snow Berry), *Sarcobatus vermiculatus* (Greasewood), *Prunus virginiana* (Choke Cherry),
Rosa spp. (Rosebush), *Rhus trilobata* (Skunk-bush)

Pickseed

Box 3230, Sherwood Park, Alberta, T8A 2A6

464-0350 (call collect)
FAX 464-0305

- grass seed from Montana and Idaho (Big Sky)
- Slender, Western, Sodar Streambank, & Northern Wheatgrass

Prairie Seeds Inc.

Box 428, Nisku Alberta T0C 2G0

Dave Ingledew or Kerby Lowen

(403) 955-7345

1-800-222-6443

- specialize in grasses and have a few forbs.
- carries seed from Big Sky, Montana and Wyoming Some seed grown in Alberta.
- inquire where the seed originates from. Has imported *Deschampsia cespitosa* from Germany
- has some standard mixes but will make custom mixes as well.

Native Mixture: R-9 Wetland 20% Alpine Bluegrass *Poa alpina*, 15% Fowl Bluegrass *Poa palustris*, 25% Alkali Grass *Puccinellia distans* ?, 25% Tufted Hairgrass *Deschampsia cespitosa*, 15% Oxley Cicer Milkvetch "Nudocoat"

Native Mixture R-10 Dryland 25% Western Wheatgrass *Agropyron smithii*, 20% Northern Wheatgrass *Agropyron dasystachyum*, 15% Tufted Hairgrass *Deschampsia cespitosa*, 15% Rangelander Alfalfa "Nudocoat", 25% Parkway Crested Wheatgrass

Also carries: Revenue Slender Wheatgrass, Walsh Western Wheatgrass, Sodar Streambank Wheatgrass, Elbee Northern Wheatgrass, *Bouteloua gracilis* Blue Grama, *Festuca saximontana* Alpine Fescue, *Koeleria macrantha* Junegrass, *Oryzopsis hymenoides* Indian Rice Grass, *Poa alpina* Alpine Bluegrass, *Poa palustris* Fowl Bluegrass, *Stipa comata* Needle and Thread, *Stipa viridula* Green Needle Grass

Forbs: Wild Flower Mix contains some native and some non-native species.

The Professional Gardener Company Limited

formerly **Golden West Seeds**

915-23 Avenue S.E., Calgary,
Alberta T2G 1P1

Art Dahlman

263-4200

Fax 273-0029

- seed comes from Montana, Oregon and Idaho. Sales are wholesale.

- availability depends on volume and supplier and species not shown on list may be available upon request.

Grasses: *Agropyron dasystachyum*, *Agropyron smithii*, *Agropyron riparium* (Sodar), *Agropyron trachycaulum*, *Alopecurus pratensis*, *Bouteloua gracilis*, *Calamovilfa longifolia*, *Deschampsia caespitosa*, *Elymus canadensis*, *Elymus cinereus*, *Elymus junceus*, *Festuca idahoensis*, *Festuca ovina*, *Festuca rubra*, *Festuca scabrella*, *Koeleria cristata*, *Phalaris arundinacea*, *Phleum pratense*, *Poa compressa*, *Puccinellia distans*, *Stipa comata*, *Stipa viridula*.

Forbs: *Achillea millefolium*, *Balsamorhiza sagittata*, *Chrysanthemum leucanthemum*, *Hesperis matronalis*, *Liatris punctata*, *Linum lewisii*, *Monarda fistulosa*.

Forb seed usually custom mixed to site requirements.

Tannas, Clare & Cathy

637-2473

- plans to have commercial quantities fall 1992, more spp. in future.

- grass seed now, but will introduce wildflowers later.

Bromus anomalus, *Bromus ciliatus*, *Bromus carinatus*, *Agropyron subsecundum* = *A. trachycaulum*

Beckmannia syzigachne - will grow to order

ONTARIO

Canadian Wildflower Society

35 Bauer Crescent

Unionville, Ontario L3R 4H3

-\$25.00 gives you a quarterly magazine, and 6 free packages of seed

-most articles and seed are from eastern Canada

IDAHO

Flowers of Tomorrow, Inc.

P.O. Box 818

Parma, Idaho 83660

Nancy Caudill

1 (208) 722-7333

FAX (208) 722-7335

- supplies flower seed to Alberta Nurseries

- registered varieties and wild collected seed

- will custom grow

Achillea millefolium, *Coreopsis tinctoria*, *Iris missouriensis*, *Linum lewisii*, *Petalostemon purpureum*, *Ratibida columnaris*, *Rudbeckia hirta*

High Altitude Gardens

1(800) 874-7333

PO Box 4619

Ketchum Idaho 83340

- carries vegetable, flower, herb and grass seed suitable for 6000 ft. elevation or harsh climate.

- Latin and common names but no indication which species are introduced.

- no collecting guidelines published in catalogue.

- specializes in open pollinated seeds and organic production.

- lists lbs./acre, oz./sq.ft. and % Live Seed (PLS)

Forbs: *Achillea millefolium*, *Balsamorhiza sagittata*, *Camassia quamash*, *Castilleja* sp., *Coreopsis tinctoria*, *Epilobium angustifolium*, *Eriogonum umbellatum*, *Gaillardia aristata*, *Geranium viscosissimum*, *Helianthus annuus*, *Linum perenne lewisii*, *Pedicularis groenlandica*.

Grasses: *Festuca idahoensis*, *Oryzopsis hymenoides*, *Sitanion hystrix*, *Stipa comata*

Jacklin Seed Company (1990 list)

(208)773-7581

West 5300 Jacklin Avenue

Post Falls, Idaho, USA 83854-9499

Grass: *Agropyron spicatum* (Secar bluebunch), *Agropyron riparium* (Sodar Streambank) = *A. dasystachyum*, *Agropyron dasystachyum* (Critana thickspike), *Agropyron smithii* (Common western), *Agropyron smithii* (Rosana western), *Agropyron trachycaulum* (Revenue slender), *Poa ampla* (Sherman big bluegrass) = *Poa juncifolia*, *Oryzopsis hymenoides* (Nezpar Indian ricegrass), *Puccinellia distans* (Distans alkaligrass)

Prairie Seed Source

P.O. Box 1131, Des Moines, Idaho 50311, USA

Northplan/Mountain Seed (1990 list)

(208) 882-8040

P.O. Box 9107

FAX (208) 882-7446

Moscow Idaho 83843-1697 USA

-wholesale

Forbs: *Allium sp.p.*, *Antennaria rosea*, *Achillea millefolium*, *Actaea arguta* (= *A. rubra*), *Aconitum delphinifolium*, *Anaphalis margaritacea*, *Aquilegia flavescens*, *Aquilegia formosa*, *Arnica cordifolia*, *Artemisia ludoviciana*, *Balsamorhiza sagittata*, *Campanula rotundifolia*, *Camassia quamash*, *Castilleja spp.*, *Clintonia uniflora*, *Delphinium nuttallianum*, *Disporum hookeri*, *Disporum trachycarpum*, *Dodecatheon spp.*, *Epilobium angustifolium*, *Epilobium latifolium*, *Eriogonum umbellatum*, *Erythronium grandiflorum*, *Fritillaria pudica*, *Gaillardia aristata*, *Gentiana calycosa*, *Geum triflorum*, *Helianthus annuus*, *Iliamna rivularis*, *Geranium viscosissimum*, *Iris missouriensis*, *Liatris punctata*, *Linum lewisii*, *Lupinus argenteus*, *Lupinus sericeus*, *Mimulus lewisii*, *Penstemon gracilis*, *Penstemon procerus*, *Ratibida columnifera*, *Smilacina racemosa*, *Smilacina stellata*, *Sphaeralcea spp.*, *Solidago spp.*, *Streptopus amplexifolius*, *Yucca glauca*, *Zygadenus spp.*

Trees and Shrubs: *Acer glabrum*, *Alnus incana* (= *A. tenuifolia*), *Amelanchier alnifolia*, *Arctostaphylos uva-ursi*, *Artemisia cana*, *A. frigida*, *A. tridentata* (3 varieties), *Atriplex canescens*, *Betula occidentalis*, *Betula papyrifera*, *Ceanothus velutinus*, *Chimaphila umbellata*, *Chrysothamnus nauseosus*, *Clematis ligusticifolia*, *Cornus canadensis*, *Cornus stolonifera*, *Crataegus douglasii*, *Elaeagnus commutata*, *Kalmia latifolia*, *Philadelphus lewisii*, *Phyllodoce empetrifolmis*, *Physocarpus malvaceus*, *Populus tremuloides*, *Prunus virginiana*, *Rhus trilobata*, *Ribes aureum*, *Ribes viscosissimum*, *Rosa woodsii*, *Rubus parviflorus*, *Shepherdia occidentalis*, *Shepherdia canadensis*, *Spirea spp.*, *Symphoricarpos albus*, *S. occidentalis*, *Vaccinium scoparium*

Coniferous Trees: *Abies lasiocarpa*, *Juniperus scopulorum*, *Picea engelmannii*, *Pinus contorta*, *Pinus flexilis*, *Pseudotsuga menziesii*,

Grasses: *Poa alpina*, *Poa canbyi*, *Phalaris arundinacea*, *Sporobolus cryptandrus*, *Bouteloua gracilis*, *Deschampsia caespitosa*, *Koeleria cristata* (= *K. macrantha*), *Stipa viridula*, *Stipa comata*, *Dactylis glomerata*, *Oryzopsis hymenoides*, *Calamovilfa longifolia*, *Sitanion hystrix*, *Agropyron spicatum*, *A. trachycaulum*, *A. dasystachyum*, *A. smithii*.

MONTANA**Big Sky Wholesale Seeds, Inc.**

(406) 434-5011

Box 852 Shelby Montana 59474

(406) 434-5600

- variatal species (registered) from across the midwest.

- grown in Montana, Washington, N.&S. Dakota. Big Sky will tell you where it is raised.

- some seed collected from native sites

-selection of forbs and grasses, but common names only are listed. Would not supply Latin names.

-supplies Alberta Wheatpool, Prairie Seeds, Professional gardeners, Pick Seeds, Hanna Seeds, United Grain Growers.

Grass: *Bouteloua gracilis*, *Oryzopsis hymenoides*, *Koeleria cristata* (= *k. macrantha*), *Phalaris arundinacea*, *Stipa viridula*, *Stipa comata*, *Dactylis glomerata*, *Agropyron spicatum* var. *inerme*, *A. spicatum*, *A. trachycaulum*, *A. dasystachyum*, *A. smithii*.

Forbs: *Balsamorhiza sagittata*, *A. spicatum*, *Galium* spp., *Gaillardia* spp., *Prunus virginiana*, *Potentilla* spp., *Lupinus* spp., *Petalostemon purpureum*, *Artemisia cana*, *A. frigida*, *Symphoricarpos* spp., *Achillea* spp., *Rosa* spp., *Helianthus* spp.

NEBRASKA

Stock Seed Farms, Inc.

RR #1, Box 112

Murdock, Nebraska 68407

NORTH DAKOTA

Rogne-Schumacher Seedfarm

(701)-428-3839

RR2 Box 231

Kindred, ND 58051

UTAH

Granite Seed

(801) 531-1456

P.O. Box 177

FAX (801) 768-3967

Lehi, Utah 84043

(801) 768-4422

- \$50.00 minimum order

- specializes in land reclamation. - no seed collection guidelines.

- excellent catalogue with Latin and common names. Indicates introduced species and sources of original seed material.

- most seed from Inter-mountain west. Will select seed lots for your area.

- lists recommended seeding rates and # seeds/lb.

Grasses: *Agropyron dasystachyum* (Thickspike wheatgrass), *Agropyron Riparium* (Streambank wheatgrass), *Agropyron smithii* (Western wheatgrass), *Agropyron spicatum* (Bluebunch wheatgrass), *Agropyron trachycaulum* (Slender wheatgrass) *Beckmannia syzigachne* (American Slough Grass), *Bouteloua gracilis* (Blue grama), *Bromus marginatus* (*B. altissimus* (Mountain brome), *Calamovilfa longifolia* (Prairie sandreed), *Deschampsia caespitosa* Tufted hairgrass), *Distichlis stricta* (Inland saltgrass), *Elymus canadensis* (Canada wildrye), *Elymus cinereus* (*E. piperi*) (Great Basin Wild Rye), *Festuca idahoensis* (Idaho fescue) *Koeleria cristata* (= *K. macrantha*) (Prairie Junegrass) *Oryzopsis hymenoides* (Indian ricegrass), *Phalaris arundinacea* (Reed canarygrass), *Phragmites communis* (= *P. Australis*) (Alkali bullrush), *Poa alpina* (Alpine bluegrass), *Poa ampla* (= *P. juncifolia*) (Big Bluegrass), *Poa canbyi* (Canby bluegrass), *Poa sandbergii* (Sandberg bluegrass), *Puccinellia distans* (Alkaligrass), *Schizachyrium scoparium* (Little Bluestem), *Sitanion hystrix* (Bottlebrush squirreltail), *Sporobolus cryptandrus* (Sand dropseed), *Stipa columbiana* (Columbia needlegrass), *Stipa comata* (Needle and thread), *Stipa viridula* (Green Needlegrass)

Forbs: *Achillea millefolium*, *Anaphalis margaritacea*, *Aquilegia canadensis*, *Aquilegia flavescens*, *Aquilegia formosa*, *Aster engelmannii*, *Balsamorhiza sagittata*, *Campanula rotundifolia*, *Castilleja rhexifolia*, *Coreopsis tinctoria*, *Cornus canadensis*, *Epilobium angustifolium*, *Erigeron speciosus*, *Eriogonum umbellatum*, *Gaillardia aristata*, *Geranium viscosissimum*, *Hedysarum boreale*, *Helianthus annuus*, *Iris missouriensis*, *Liatris spicata*, *Linum lewisii*, *Lupinus sericeus*, *Monarda fistulosa*, *Oenothera biennis*, *Oenothera caespitosa*, *Osmorhiza occidentalis*, *Petalostemon purpureum*, *Ratibida columnaris*, *Solidago rigida*, *Sphaeralcea coccinea*

Trees and Shrubs: *Amelanchier alnifolia*, *Artemisia cana*, *Artemisia frigida*, *Artemisia ludoviciana*, *Artemisia tridentata* (3 varieties), *Atriplex canescens*, *Ceanothus velutinus*, *Chrysothamnus nauseosus*, *Cornus stolonifera*, *Mahonia repens*, *Pinus contorta latifolia*, *Pinus flexilis*, *Prunus virginiana*, *Pseudotsuga menziesii*, *Rhus trilobata*, *Ribes aureum*, *Rosa woodsii*, *Sambucus racemosa*, *Shepherdia argentea*, *Shepherdia canadensis*, *Symphoricarpos albus*

NURSERIES

ALBERTA

Alberta Tree Nursery and Horticultural Centre

RR6, Edmonton AB T5B 4K3

Brenden Casemont
(RITE) 472-6043

- supplies trees and shrubs for shelter belt program.
- supplies Lodgepole pine and Colorado spruce for Arbor Day
- supplies Provincial Parks Dept. with some native species

Bearberry Creek Greenhouses

Jan & Heinjo Lahring

638-4231

West of Sundre

- hardy perennials, trees and shrubs for foothills and mountain areas.
- some prairie species.
- limited quantities of perennials.

Trees and Shrubs:

Amelanchier alnifolia (Saskatoon), *Cornus stolonifera* (Red Osier Dogwood), *Elaeagnus commutata* (Wolf Willow), *Sorbus scopulina* (Rocky Mtn. Mountain Ash), *Juniperus horizontalis* (Creeping Juniper), *Juniperus scopulorum* (Rocky Mountain Juniper), *Picea glauca* (White Spruce)

Forbs: *Campanula rotundifolia* (Harebell), *Epilobium angustifolium* (Fireweed), *Gaillardia aristata* (Gaillardia), *Galium boreale* (Bedstraw), *Antennaria spp.* (Pussytoes), *Polemonium spp.* (Jacob's Ladder)

Beaverlodge Nurseries

354-2195

Box 127 Beaverlodge AB T0H 0C0

- Hardy fruits, flowers, shrubs and trees
- limited selection of native plants
- company is re-organizing. Low on stock this year, but will be back in production next year.

Bow Point Landscapes

Pamela Wright
242-8018

Box 16, Site 24, R.R. 12

Springbank. T3E 6W3

- will custom grow trees, shrubs and perennials.
- specializes in trees, shrubs and sod.
- species identification is from Donald Hoog, "Trees & Shrubs for the Northern Plains"

Trees and Shrubs: *Arctostaphylos uva-ursi* (Kinnikinnick), *Populus tremuloides* (Aspen Poplar), *Betula fontenalis* ? (Birch), *Larix spp.* (Siberian Larch), *Prunus virginiana* (Red-leaf Chokecherry), *Amelanchier alnifolia* (Saskatoon), *Cornus stolonifera* (Red Osier Dogwood), *Elaeagnus commutata* (Wolf Willow), *Potentilla fruticosa* (Shrubby Cinquefoil), *Rhus trilobata*, *Ribes aureum* (Golden Currant), *Ribes Spp.* (Wild Gooseberry), *Salix spp.* (Willows) *Pinus flexilis* (Limber Pine)

Coaldale Nurseries

Hans Kuperus
345-4633

Box 1267, Coaldale AB T0K 0L0

- seed is purchased (and collected) from Sweetgrass Montana.
 - grows shrubs and trees from seed or imports seedlings from Montana.
- Potentilla fruticosa*, *Symphoricarpos albus*, *Populus tremuloides*, *Shepherdia argentea*, *Amelanchier alnifolia*, *Rhus trilobata*, *Artemisia tridentata*, *Abies lasiocarpa*