

**Malus 'Red Jade'****Red Jade Crabapple**

**Recommendation:** recommended for Brooks and Bowden, only one plant in both Red Deer and Edmonton survived but did well. In Calgary plants suffered winter dieback most years. Plants in these location require protection. Introduced by the Brooklyn Botanical Garden, NY.

**Trial Average:** **Height:** top grafted **Spread:** 220 cm

**Form:** branches have a dependable weeping habit.

**Features:** Weeping plant with glossy green leaves, profuse white flower in spring and very small red fruits in fall.

**Culture:** Requires protected location in zone 3 and below.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96	96-01	96-00	96-01	96-01	96-01	96
Height-Spread		179-245	129-173	326-188	382-273	289-226	
Rating		5	4	4	4	4.3	
Recommendation	N	S	r	S	S	R	N

**Malus 'Royal Beauty'****Royal Beauty Crabapple**

**Recommendation:** recommended at Calgary, Red Deer and Brooks. All but one plant died at Fairview and none survived at Coaldale. Minor winter kill occurred at Edmonton and Bowden resulting in poor form.

**Trial Average:** **Height:** 93 cm **Spread:** 160 cm

**Form:** small, weeping tree.

**Features:** purple coloured leaves and bark, pink blooms in spring.

**Culture:** regular training and pruning required to maintain form and keep branches off the ground, good for small areas.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96-00	95-00	95-00	95-00	95-00	95-00	95-00
Height-Spread	64-145	75-165	105-202	17-94	122-159	118-194	
Rating	2.0	2.0	4.0	1.5	3.0	4.0	
Recommendation	N	N	R	N	R	R	N

**Malus 'Selkirk'****Selkirk Flowering Crabapple**

**Recommendation:** recommended at all locations, except Calgary where it failed. Introduced by Agriculture and Agri-Food Canada, Morden, MB.

**Trial Average:** **Height:** 2.9 m **Spread:** 2.9 m

**Form:** tree with rounded crown, vase-shaped at maturity.

**Features:** green-bronze leaves, orange-yellow in fall, purplish pink, single flowers, fruit 1.5 cm in size and persistent.

**Culture:** prefers moist, well-drained soils, sunny location, does not tolerate alkaline soil, moderately susceptible to scab, fireblight and mildew.

**Malus 'Selkirk'****Selkirk Flowering Crabapple**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-91	86-94	86-94	86-94	85-91	86-91	87-94
Height-Spread	214-166	353-350	168-110	335-419		314-371	342-306
Rating	3.8	3.5	4.0	4.0			4.4
Recommendation	R	R	r	R	F	R	R

**Malus 'Snowcap'****Snowcap White Flowering Crabapple**

**Recommendation:** recommended at all locations, some fireblight observed at Edmonton. A selection from Agriculture and Agri-Food Canada, Beaverlodge, AB.

**Trial Average:** **Height:** 2.7 m **Spread:** 1.9 m

**Form:** upright tree.

**Features:** green leaves, orange-yellow in fall, white flowers, small, attractive red fruit is a favorite of birds, if not eaten fruit is retained into winter.

**Culture:** prefers moist, well-drained soils, sunny location, does not tolerate alkaline soil.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-91	86-94	86-94	86-94	85-94	86-91	86-91
Height-Spread	306-203	270-168	160-122	290-234	280-200	344-261	220-149
Rating	4.4	4.7	3.8	4.6	4.6	4.6	3.5
Recommendation	R	G	r	R	R	R	R

**Malus 'Thunderchild'****Thunderchild Flowering Crabapple**

**Recommendation:** recommended at all locations. Selected by P. Wright of Saskatoon, SK.

**Trial Average:** **Height:** 2.2 m **Spread:** 1.6 m

**Form:** upright, spreading, broad oval to rounded tree.

**Features:** purple leaves, orange-yellow in fall, single pink flowers before leaves.

**Culture:** prefers moist, well-drained soils, sunny location, does not tolerate alkaline soil, very resistant to fireblight.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91	86-94	84-89	84-94	84-91	84-91
Height-Spread	208-161	257-182	162-78	138-137	242-203	259-212	283-174
Rating	3.9	3.7	3.8	4.0	4.2	4.0	3.8
Recommendation	R	R	r	R	R	R	R

**Malus 'Weeping Rosy Glo'****Rosy Glo Weeping Crabapple**

**Recommendation:** planted in trial in 2002.

**Trial Average:** **Height:** — **Spread:** —

**Form:** weeping crab.

**Features:** bronze-green foliage with bright pink flowers in spring.

**Culture:** excellent specimen plant.

***Philadelphus lewisii* 'Blizzard'****Blizzard Mockorange (COPF)**

**Recommendation:** highly recommended in Brooks and Edmonton though the shrubs did suffer tip kill in Edmonton and they suffered deer damage. Recommended in Red Deer and in Bowden where the shrubs were under stiff competition from weeds. In Calgary and Fairview the plants suffered winter kill each year and in Coaldale the plants were chlorotic due to saline soil.

**Trial Average:** **Height:** 147 cm **Spread:** 140 cm

**Form:** medium size upright shrub.

**Features:** green leaves, single, large white fragrant flowers borne in clusters.

**Culture:** full sun, extreme winter hardiness. Plants can become wild and some tip kill can be expected after winter. Pruning required to keep shape. May be attractive to aphids later in the year.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96-01	96-01	96-00	97-00	96-01	96-01	96-01
Height-Spread	102-64	198-199	123-100	152-130	150-138	181-199	130-137
Rating	1	4	2.2	3.4	3	4.5	2
Recommendation	S	H	r	r	S	H	S

***Philadelphus x virginalis* 'Minnesota Snowflake'****Minnesota Snowflake Mockorange**

**Recommendation:** recommended only at Brooks, satisfactory growth at Grande Prairie, Edmonton (although seldom flowered), Lacombe and Bowden, not recommended at Calgary and failed at Coaldale due to significant winter injury in fourth season. Failed in unprotected locations in Brooks and both protected and unprotected locations in Calgary. Did not bloom in Grande Prairie. Chosen from a seedling population in Alberta.

**Trial Average:** **Height:** 115 cm **Spread:** 110 cm

**Form:** upright, arching, vase-shaped shrub.

**Features:** green leaves, yellow in fall, holds foliage well in fall, double flowers, very fragrant.

**Culture:** tolerates many soils, prefers moist, well-drained soil, full sun or light shade.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91	87-94	85-89	84-91	84-91	85-91
Height-Spread	109-99	152-125	57-49	120-108		140-160	
Rating	2.9	2.7	2.9	2.4		4.0	
Recommendation	S	S	s	S	N	R	F

***Physocarpus opulifolius* 'Dart's Gold'****Dart's Gold Ninebark**

**Recommendation:** recommended at Edmonton, Lacombe, Bowden and Brooks, satisfactory growth at Grande Prairie, failed or not recommended at Calgary and Coaldale.

**Trial Average:** **Height:** 100 cm **Spread:** 130 cm

**Form:** compact, rounded shrub.

**Features:** golden leaves, white flowers, red fruit, papery bark, attractive in winter.

**Culture:** adapts to poor soil conditions, tolerates acid and alkaline soil soils, and dry conditions, rejuvenate by pruning to base in spring.

***Physocarpus opulifolius* ‘Dart’s Gold’****Dart’s Gold Ninebark**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-94	84-91	84-94	84-94	84-91	86-91	84-91
Height-Spread	61-81	154-181	95-99	81-119		126-178	
Rating	3.0	3.2	3.5	3.5		4.2	
Recommendation	S	R	R	R	N	R	F

***Physocarpus opulifolius* ‘Diabolo’****Diabolo® Ninebark**

**Recommendation:** recommended at all sites, highly recommended at Fairview, Calgary and Brooks.

**Trial Average:** **Height:** 1.6 m **Spread:** 1.6 m

**Form:** upright, bushy shrub.

**Features:** bright purple leaves and striking white flowers.

**Culture:** full sun. A little dieback occasionally occurring requiring some pruning. Good hardy shrub useful where good purple foliage is desired.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	00-05	00-05	00-05	00-05	00-05	00-05
Height-Spread	123 - 111	162 - 146	166 - 136	199 - 208	196 - 214	133 - 145
Rating	4	3.7	3.7	4	4.8	3.5
Recommendation	H	R	R	H	H	R

***Physocarpus opulifolius* ‘Nugget’****Nugget Ninebark**

**Recommendation:** introduced by the South Dakota State University. Failed after first winter in Fairview and Coaldale. Highly recommended at Edmonton, Calgary and Brooks, recommended in Red Deer.

**Trial Average:** **Height:** 1.5 m **Spread:** 2.1 m

**Form:** large, dense, bushy shrub.

**Features:** fine textured leaves emerge golden and bronze, mature to lime green

**Culture:** useful in a parks situation – large shrub, can show chlorotic symptoms at end of season.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread		146-131	195-102	142-117	186-233	121-131
Rating		3.0	2.8	2.0	4.0	2.6
Recommendation	F	R	R	H	H	F

***Physocarpus opulifolius* ‘Seward’****Summer Wine® Ninebark**

**Recommendation:** planted in trial in 2005, cross between *Physocarpus opulifolius* ‘Nana’ and Diabolo®

**Trial Average:** **Height:** - **Spread:** -

**Form:** rounded shrub with neat and compact branching

**Features:** dark purple foliage with striking white flowers, more compact than ‘Diabolo’.

**Culture:** full sun, regular water.

***Physocarpus opulifolius* 'Snowfall'****Snowfall Ninebark**

**Recommendation:** highly recommended at Edmonton, Red Deer and Brooks, recommended in Calgary. Chlorotic in Coaldale, failed at Fairview. Selected from plants found on the north shore of Lake Superior by P. Dziuk.

**Trial Average:** **Height:** 1.9 m **Spread:** 2.2 m

**Form:** upright, spreading shrub.

**Features:** medium green leaves, papery bark, large white flower clusters appearing in mid to late spring.

**Culture:** large tough shrub for difficult sites including dry situations and parks.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread		230-245	144-150	236-255	217-260	142-207
Rating		4.0	3.8	3.0	4.0	2.0
Recommendation	F	H	H	R	H	N

***Picea abies*****Norway Spruce**

**Recommendation:** recommended at all locations, grew exceptionally well during testing period, but all plants at the Calgary site were killed during the winter of 1990/91. Late spring frosts in 1987 severely damaged new growth at Lacombe and Bowden.

**Trial Average:** **Height:** 1.7 m **Spread:** 1.1 m

**Form:** pyramidal tree with pendulous branches.

**Features:** green foliage, persistent for several years.

**Culture:** prefers moderately moist, well-drained soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-88	83-88	84-91	84-89	83-88	83-88	84-94
Height-Spread	201-143		54-60	139-86	230-158	289-163	97-69
Rating	4.8	5.0	3.5	4.5	5.0	5.0	4.3
Recommendation	H	H	R	R	H	H	R

***Picea abies* 'Nidiformis'****Bird's Nest Spruce**

**Recommendation:** recommended at all locations, except Lacombe where growth was only satisfactory due to competition.

**Trial Average:** **Height:** 30 cm **Spread:** 65 cm

**Form:** spreading, dense, broad plant with dished centre, low growing.

**Features:** green foliage.

**Culture:** prefers moderately moist, well-drained soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-89	84-93	86-94	86-94	84-94	84-91	
Height-Spread	31-64	37-80	16-29	31-82	31-64	31-74	
Rating	4.2	4.1	2.3	4.2	4.0	4.2	
Recommendation	H	R	s	R	R	R	

***Picea asperata*****Chinese Dragon Spruce****Recommendation:** recommended or highly recommended at all locations. Seed obtained from Kashmir, India.**Trial Average:** **Height:** 1.1 m **Spread:** 1.0 m**Form:** pyramidal tree, very similar to Colorado spruce, but needles not sharp and branches are more upright.**Features:** green foliage.**Culture:** reputed to prefer slightly alkaline soils, may be sensitive to glyphosate herbicide.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	88-94	87-92	87-94
Height-Spread	90-99	127-95	100-127	152-128	152-128	83-86	81-61
Rating	4.5	4.4	4.8	5.0	5.0	4.8	4.5
Recommendation	R	R	r	H	H	H	R

***Picea koyamai*****Recommendation:** recommended at Bowden and Lacombe; however, performance was only satisfactory at all other locations, except Grande Prairie where it failed. Plants tended to be bushy and the leader was susceptible to damage from spring frost. Seed obtained from Kashmir, India.**Trial Average:** **Height:** 0.6 m **Spread:** 0.5 m**Form:** pyramidal tree.**Features:** green foliage.**Culture:** thought to be similar to other spruces, prefers moderately moist, well-drained, acid soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	88-94	87-94	87-94
Height-Spread		46-43	34-36	52-73	74-66	54-70	27-32
Rating		3.3	4.1	4.2	3.8	4.2	4.0
Recommendation	F	S	r	R	S	S	S

***Picea glauca*****White Spruce****Recommendation:** recommended at all locations; however, it did not grow well in alkaline soil conditions or with strong weed competition. Seedlings were used in testing.**Trial Average:** **Height:** 1.5 m **Spread:** 1.1 m**Form:** narrow, pyramidal tree.**Features:** green-blue foliage.**Culture:** native, fast growing, prefers moderately moist, well-drained, acid soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-88	83-88	84-94	84-89	83-88	83-91	84-91
Height-Spread	200-180		107-68	83-85	549-343	282-200	62-35
Rating	4.9	4.9	4.5	4.0	5.0	4.9	3.9
Recommendation	H	H	R	R	H	H	R

***Picea pungens glauca*****Colorado Blue Spruce****Recommendation:** recommended at all locations. Late spring frost in 1987 damaged new growth.**Trial Average:** **Height:** 1.0 m **Spread:** 1.0 m**Form:** large, pyramidal tree.**Features:** foliage varies from green to silvery-blue.**Culture:** prefers moderately moist, well-drained, acid soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-91	83-91	84-91	84-89	83-91	83-91	
Height-Spread	123-101	60-70	83-72	95-104	117-121	152-136	
Rating	4.1	3.0	3.9	4.3	3.7	4.0	
Recommendation	R	R	R	R	R	R	

***Picea pungens* 'Montgomery'****Montgomery Spruce****Recommendation:** recommended at all locations, requires annual pruning to maintain good globe shape. Originally supplied as *Picea pungens* 'Glauca Globosa'; however, has been identified as *Picea pungens* 'Montgomery'.**Trial Average:** **Height:** 65 cm **Spread:** 90 cm**Form:** dwarf, very compact and slow growing, broad cone shaped shrub.**Features:** intensely blue foliage.**Culture:** prefers moderately moist, well-drained, acid soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91	86-94	86-94	84-81	84-91	
Height-Spread	91-106	60-70	35-62	62-81	67-92	74-103	
Rating	4.6	4.2	4.2	4.5	3.5	4.5	
Recommendation	R	R	r	R	R	R	

***Pinus albicaulis*****Western White Pine/Whitebark Pine****Recommendation:** recommended at Grande Prairie, Edmonton and Brooks, not recommended at Calgary where only one plant survived, not tested at other locations.**Trial Average:** **Height:** 0.7 m **Spread:** 1.0 m**Form:** tree with upright, spreading crown.**Features:** bluish-green foliage, needles in fives, 3-8 cm long, bark on young stems is chalk white.**Culture:** alpine plant, in native habitat will grow (very slowly) on very thin soils, prefers full sun and well-drained soils.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-91	83-91			83-91	83-91	
Height-Spread	81-82	72-82			62-180	55-67	
Rating	3.7	3.1				4.4	
Recommendation	R	R			N	R	

***Pinus aristata*****Bristlecone Pine**

**Recommendation:** recommended only at Bowden, satisfactory growth at all other locations, central leaders were injured at Brooks and Calgary during the winters 1990-91 and 1991-92, the single plant which survived at Grande Prairie showed little evidence of winter injury.

**Trial Average:** **Height:** 43 cm **Spread:** 53 cm

**Form:** upright, small tree with irregular, picturesque branching, very slow growing.

**Features:** bluish-green foliage, needles in fives, often dotted with white resinous exudates.

**Culture:** grows well in poor dry soils, full sun, not tolerant of urban conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	87-94	87-94	
Height-Spread	58-39	39-59	21-33	62-70	33-54	43-64	
Rating	4.0 (1 plant)	3.2	3.4	3.8	3.8	4.0	
Recommendation		S	s	R	S	S	

***Pinus cembra*****Swiss Stone Pine**

**Recommendation:** plants were received in poor condition and did not survive. Retrial recommended. Excellent specimens are found in Edmonton area and Lacombe.

**Trial Average:** **Height:** 15 m mature (not based on testing) **Spread:** 10 m mature (not based on testing)

**Form:** dense, conical shaped tree, spreading as it matures.

**Features:** dark green foliage, needles in fives, 5-7.5 cm long, resistant to sunscald.

**Culture:** prefers moist, well-drained, slightly acid soil, good air movement, not tolerant of urban conditions.

***Pinus contorta var. latifolia*****Lodgepole Pine**

**Recommendation:** recommended at Grande Prairie, Edmonton and Bowden, failed at Lacombe and Coaldale 1, not tested at Calgary and Brooks.

**Trial Average:** **Height:** 2.1 m **Spread:** 1.8 m

**Form:** tall slender, straight tree.

**Features:** green foliage, needles in twos, 5 - 7 cm long, rough bark.

**Culture:** prefers moist, well-drained soils, although in native habitat can survive in very poor locations from stony ridges to swamps.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-88	83-88	84-94	84-94			84-94
Height-Spread	189-193			232-165			
Rating	5.0	5.0		4.4			
Recommendation	H	H	F	R			F

***Pinus heldreichii* var. *leucodermis*****Bosnian Pine**

**Recommendation:** recommended at Red Deer and Bowden but winter protection is needed. Plants performed very well in Edmonton until winter of 1997. Poor survival and major winter dieback at other locations.

**Trial Average:** **Height:** 27 cm **Spread:** 44 cm

**Form:** small, low, slow growing, spreading conifer.

**Features:** dark needles in bundles of two.

**Culture:** requires winter protection.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	83-88	83-88	84-94	84-94			84-94
Height-Spread	189-193			232-165			
Rating	5.0	5.0		4.4			
Recommendation	H	H	F	R			F

***Pinus koraiensis*****Korean Pine**

**Recommendation:** not recommended at any location and failed at Coaldale. Deer seriously damaged trees in Brooks. Seed obtained from Kashmir, India.

**Trial Average:** **Height:** 20 cm **Spread:** 15 cm

**Form:** loose, pyramidal tree.

**Features:** dark green foliage, needles in fives, 9-11.5 cm.

**Culture:** adapts to most conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period		87-94			87-94	87-91	87-91
Height-Spread		16-13				20-13	
Rating		1.8					
Recommendation		N			N	N	N

***Pinus ponderosa*****Ponderosa Pine**

**Recommendation:** recommended at Grande Prairie, Edmonton, Calgary and Brooks, failed to establish at Bowden, perhaps due to late frosts. Seed source was Crop Diversification Centre South, Brooks, AB.

**Trial Average:** **Height:** 1.4 m **Spread:** 1.2 m

**Form:** narrow, pyramidal tree, may become short and conical or flat-topped.

**Features:** dark or yellowish-green foliage, needles in threes, sometimes twos, 10-20 cm long, orange-brown furrowed bark.

**Culture:** prefers well-drained loam soil but is drought tolerant, salt tolerant, alkaline tolerant, intolerant of shade.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-91	83-91		84-94	83-91	83-91	
Height-Spread	108-90	192-147			75-80	194-141	
Rating	4.4	4.3			3.8	4.9	
Recommendation	H	H		F	R	H	

***Pinus resinosa*****Red Pine**

**Recommendation:** recommended at all locations where it was tested, protection from the wind needed in Brooks.

**Trial Average:** **Height:** 1.5 m **Spread:** 1.1 m

**Form:** short, densely crowned tree.

**Features:** medium to dark green foliage, needles in twos, 10-12.5 cm long.

**Culture:** tolerates exposed, dry, acid soils, full sun, susceptible to salt and wind damage, extremely cold tolerant, leader is very brittle (crows perching have been known to break them), susceptible to winter browning in Brooks.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94		87-94	
Height-Spread	144-118	243-176	81-52	159-98		126-90	
Rating	4.4	4.6	4.1	3.7		4.2	
Recommendation	R	R	r	R		R	

***Pinus sylvestris* 'Ladoga'****Bugnet Scots Pine**

**Recommendation:** satisfactory growth at Lacombe and Bowden, recommended at all other locations. Selection made by G. Bugnet at Sangudo, AB.

**Trial Average:** **Height:** 2.6 m **Spread:** 1.9 m

**Form:** upright, broad pyramidal tree.

**Features:** bluish-green foliage, good orange-red bark.

**Culture:** prefers well-drained locations, will grow on poor dry locations.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-88	83-88	84-89	84-89	83-94	83-88	84-94
Height-Spread			145-98		454-360	357-240	77-52
Rating	5.0	5.0	3.3	3.2	5.0	5.0	3.5
Recommendation	H	H	S	S	H	H	R

***Pinus sylvestris* 'Prairie Green'****Prairie Green Scots Pine**

**Recommendation:** planted in trial in 2003. Selected at PFRA, Indian Head, SK.

**Trial Average:** **Height:** — **Spread:** —

**Form:** upright, open, broad pyramidal tree, vigorous growth.

**Features:** bluish-green foliage, less browning in winter.

**Culture:** prefers well-drained locations.

***Pinus sylvestris mongolica*****Mongolian Strain Scots Pine**

**Recommendation:** recommended at all locations where it was tested, excellent, hardy pine, fast growing so it looks thin. Seed was obtained from Kashmir, India.

**Trial Average:** **Height:** 2.4 m **Spread:** 1.6 m

**Form:** upright, open, broad pyramidal tree, vigorous growth.

**Features:** bluish-green foliage to brown in winter.

**Culture:** prefers well-drained locations, will grow on poor dry locations.

***Pinus sylvestris mongolica*****Mongolian Strain Scots Pine**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period		87-94	87-94	87-94	87-94	87-94	
Height-Spread		343-201	108-62	259-174	252-175	245-162	
Rating		4.9	4.2	5.0	5.0	5.0	
Recommendation		H	r	H	H	H	

***Populus alba 'Raket'*****Raket White Poplar**

**Recommendation:** satisfactory growth only at Grande Prairie, Lacombe and Coaldale 1, not recommended at any other locations, was winter-killed back to snowline in most locations.

**Trial Average:** **Height:** 2.3 m **Spread:** 1.2 m

**Form:** upright, round-headed tree.

**Features:** dark green leaves on top and silver underneath.

**Culture:** adapted to many soils, requires generous amounts of water, but can survive drought conditions, prune in summer or early fall to avoid 'bleeding', tolerant of urban conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	87-94	87-92	87-91
Height-Spread	191-44	146-122	247-122	199-158	321-167	202-123	259-123
Rating	2.4	2.1	2.8	2.0	2.0		2.5
Recommendation	S	N	s	N	N		S

***Populus alba 'Nivea'*****Silver Poplar**

**Recommendation:** recommended at Grande Prairie, Lacombe, Brooks and Coaldale, satisfactory growth at Bowden, not recommended at Edmonton or Calgary, some winter injury on most plants in most locations, severe suckering.

**Trial Average:** **Height:** 3.9 m **Spread:** 3.6 m

**Form:** upright, round-headed tree.

**Features:** dark green leaves on top and silver underneath, three-lobed leaves.

**Culture:** adapted to many soils, requires generous amounts of water, but can survive drought conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-91	85-94	85-94	85-89	85-91	85-91	85-91
Height-Spread	370-330	290-334	267-170	371-367		490-450	543-524
Rating	4.7		3.0	2.7		4.2	3.8
Recommendation	R	N	r	S	N	R	R

**Populus grandidentata 'Sabre Aspen'****Sabre Aspen**

**Recommendation:** planted in trial in 2001.  
**Trial Average:** **Height:** — **Spread:** —  
**Form:** narrow crown tree.  
**Features:** large green coarse foliage. Smooth bark.  
**Culture:** shade tree.

**Populus x canadensis 'Prairie Sky'****Prairie Sky Poplar (COPF)**

**Recommendation:** planted in trial in 2000. Introduced by Agriculture and Agri-Food Canada, Morden, MB. Satisfactory at Fairview and Edmonton. Recommended at Red Deer, Brooks and Coaldale and highly recommended at Calgary where the plants were moved from the trials in Fall – 03, and measured in Fall – 04\*  
**Trial Average:** **Height:** 5.3m **Spread:** 2.7m  
**Form:** columnar.  
**Features:** shiny green leaves.  
**Culture:** excellent for shelterbelt and hedges. Fast growing, seedless, disease resistant and cold hardy. Good regrowth where dieback or damage has occurred.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	00-05	00-05	00-05	00-04*	00-05	00-05
Height-Spread	300 - 167	394 - 264	472 - 222	648 - 284	608 - 329	784 - 372
Rating	2.7	2.8	3.6	5	3.4	3.8
Recommendation	S	S	R	h	R	R

**Populus x canescens 'Tower'****Tower Poplar (COPF)**

**Recommendation:** recommended at all locations, suffered heavy black aphid infestations at Bowden and Edmonton, tends to 'open-up' if it grows too rapidly in one season, will sucker. Introduced by Agriculture and Agri-Food Canada, Morden, MB.  
**Trial Average:** **Height:** 4.3 m **Spread:** 1.4 m  
**Form:** dense, columnar tree.  
**Features:** glossy green leaves on top and furry white underneath.  
**Culture:** adapted to many soils, requires generous amounts of water, but can survive drought conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-89	84-92	84-89	84-89	84-89	84-92	84-92
Height-Spread	476-129	368-107	415-123	413-182	417-135	503-168	434-124
Rating	3.8	4.1	3.6	4.3	3.5	4.3	4.5
Recommendation	R	R	R	R	R	R	R

**Populus x 'Escot'****Escot Poplar**

**Recommendation:** planted in trial in 2004. Selected at PFRA Indian Head, Saskatchewan  
**Trial Average:** **Height:** — **Spread:** —  
**Form:** columnar hybrid poplar.  
**Features:** narrow form selected for resistance to bronze leaf disease which will attack Tower Poplar and Swedish Columnar Aspen.  
**Culture:** specimen tree or shelterbelt.

44	Ratings:	0 - dead	2 - major dieback	4 - good, some tip kill
		1 - poor, low sprouts	3 - fair, injury to branches	5. excellent, no injury

**Potentilla fruticosa 'Floppy Disc'****Floppy Disc Potentilla**

**Recommendation:** surviving plants in Calgary were satisfactory as were those in Edmonton in 2002 but were destroyed in 2003. Not recommended in Brooks and failed in Fairview and Coaldale.

**Trial Average:** **Height:** 20 cm **Spread:** 45 cm

**Form:** low shrub.

**Features:** green leaves, showy, deep pink flowers.

**Culture:** some protection may be required for good flower color.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	98-03	98-02	98-03	98-03	98-03	98-03
Height-Spread		44-105		45-100	16-32	
Rating		3		3.5	1.4	
Recommendation	F	s	F	S	N	F

**Potentilla fruticosa 'Mango Tango'****Mango Tango Potentilla**

**Recommendation:** recommended at Fairview, Red Deer, Calgary and Brooks. Failed in Coaldale, though there was one struggling surviving plant. Edmonton rated satisfactory as plants had done well then were overcome with weed competition in the last two seasons.

**Trial Average:** **Height:** 0.6 m **Spread:** 0.7 m

**Form:** oval shrub.

**Features:** green leaves, deep orange-yellow bicoloured flowers.

**Culture:** flowers bleach to yellow in intense sun, full to partial shade. Flower colour intensifies late August and into September.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	00-05	00-05	00-05	00-05	00-05	00-05
Height-Spread	49 - 63	51 - 61	73 - 85	78 - 102	61 - 88	36 - 24
Rating	3.5	2	4	3	3.2	1
Recommendation	R	S	R	R	R	F

**Potentilla fruticosa 'Pink Beauty'****Pink Beauty Potentilla**

**Recommendation:** highly recommended in all locations except Coaldale where the plants became chlorotic due to saline conditions and Red Deer where the plants were lost due to mechanical damage. Introduced by the University of Manitoba.

**Trial Average:** **Height:** 82 cm **Spread:** 130 cm

**Form:** rounded shrub.

**Features:** bright green leaves, clear pink flowers hold colour, prolific bloomer. Very symmetrical plants.

**Culture:** hot nights cause colour to wash out.

**Potentilla fruticosa 'Pink Beauty'****Pink Beauty Potentilla**

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96-01	96-01	96-00	96	96-01	96-01	96-01
Height-Spread	63-92	95-155	84-138		99-191	89-126	62-82
Rating	3.5	5	4		5	4.9	1
Recommendation	H	H	h	F	H	H	S

**Potentilla fruticosa 'Red Robin'****Red Robin Potentilla**

**Recommendation:** only one plant survived throughout the trial. In Calgary the one plant was very good but as all others failed it is not recommended.

**Trial Average:** **Height:** 76 cm **Spread:** 100 cm

**Form:** rounded shrub.

**Features:** green leaves, red-orange flowers.

**Culture:** good protection and attention may produce a good plant.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	98-03	98-03	98-03	98-03	98-03	98-03	
Height-Spread					76-100		
Rating					4		
Recommendation	F	F	F	F	N	F	F

**Potentilla fruticosa 'Yellow Gem'****Yellow Gem Potentilla (COPF)**

**Recommendation:** highly recommended at Edmonton, Calgary and Coaldale, recommended at Red Deer, Brooks and Bowden, although the plants were badly damaged by cultivation. Satisfactory at Fairview though plants suffered major tip kill in 1998. Introduced by the University of British Columbia.

**Trial Average:** **Height:** 49 cm **Spread:** 116 cm

**Form:** low, spreading shrub.

**Features:** greyish-green, hairy leaves, bright yellow, ruffled flowers from May until a hard frost.

**Culture:** full sun.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	94-99	94-99	94-99	94-99	94-99	94-99	94-99
Height-Spread	33-83	59-139	29-48	50-130	59-163	*29-50	64-130
Rating	3.0	5.0	1.0	3.0	5.0	4.0	4.0
Recommendation	S	H	R	R	H	r	H

\* data for Brooks was collected for only 3 years then plants had to be moved, the data is not included in trial average

**Prunus nigra 'Princess Kay'****Princess Kay Plum**

**Recommendation:** failed the first year in Fairview and after the third winter in Edmonton. Not recommended in Coaldale where the three remaining plants had very poor shape. Recommended in Red Deer, Calgary and Brooks but requires pruning to maintain shape.

**Trial Average:** **Height:** 2.7 m **Spread:** 1.6 m

**Form:** narrow tree, upright branches, dark bark.

**Features:** green leaves, showy white flowers in spring, black bark stands out in winter will develop fruit.

**Culture:** requires annual maintenance pruning. Pear slug noticed – but minor.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread			265-156	305-181	247-150	267-165
Rating			3.5	3.0	2.7	2.0
Recommendation	F	F	R	R	R	N

**Prunus padus 'Ethel'****Ethel Mayday (COPF)**

**Recommendation:** planted in trial in 2002. Introduction by Lloyd E Lee.

**Trial Average:** **Height:** — **Spread:** —

**Form:** tree.

**Features:** pink flowers.

**Culture:** specimen tree.

**Prunus padus 'Foothills'****Foothills Mayday**

**Recommendation:** ratings for growth and hardiness were excellent for all locations tried except Fairview where the plants suffered major dieback each year. The plant is not recommended due to poor shape and weak crotch angles resulting in significant breakage at all locations.

**Trial Average:** **Height:** 420 cm **Spread:** 330 cm

**Form:** small tree with wide, spreading crown, too open for most ornamental uses.

**Features:** green leaves, orange-yellow fall colour, numerous fragrant flower clusters in May to early June.

**Culture:** adapted to a wide range of soils though leaves show chlorosis in soils with high pH. Annual pruning and training recommended to avoid poor shape and breakage.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks
Trial Period	95-00	91-97	91-97	92-97	91-96	91-96
Height-Spread	171-142	558-409	409-328	455-312	457-349	237-232
Rating	2.0	5.0	5.0	5.0	4.5	4.5
Recommendation	F	N	N	N	N	N

***Prunus padus* 'Sunstar'****Sunstar Mayday**

**Recommendation:** recommended in Red Deer, Brooks and Coaldale, satisfactory in Fairview and Calgary although only 2 plants survived at either site. Not recommended in Edmonton where the poor plants were removed after the 2001 evaluation. Selected by Sunstar Nurseries, Edmonton, AB.

**Trial Average:** **Height:** 3.7 m **Spread:** 2.3 m

**Form:** vigorous, round-headed tree.

**Features:** green leaves, white flower clusters, very fragrant.

**Culture:** routine pruning required to keep vigorous growth in control

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	98-03	98-01	98-03	98-03	98-03	98-03
Height-Spread	278-158	158-48	342-208	503-308	408-294	515-330
Rating	3	2	3.6	3.5	4	4.2
Recommendation	S	n	R	S	R	R

***Prunus virginiana* 'Midnight'****Midnight Schubert Chokecherry (COPF)**

**Recommendation:** planted in trial in 2001. Selection from Lakeshore Tree Farms, Saskatoon, Saskatchewan.

**Trial Average:** **Height:** — **Spread:** —

**Form:** upright tree.

**Features:** deep purple foliage. Non-suckering.

**Culture:** specimen tree.

***Prunus x* 'Carmine Jewel'****Carmine Jewel Cherry (COPF)**

**Recommendation:** planted in trial in 2003. University of Saskatchewan cultivar.

**Trial Average:** **Height:** — **Spread:** —

**Form:** large shrub

**Features:** white spring blossoms, dark green glossy leaves. Dark red fruit.

**Culture:** train as tall shrub, avoid excessive nitrogen fertilizer to maximize fruit production.

***Pyrus* 'Early Gold'****Early Gold Pear (COPF)**

**Recommendation:** planted in trial in 2002. Developed at Jeffries Nurseries, Portage la Prairie., Manitoba.

**Trial Average:** **Height:** — **Spread:** —

**Form:** tree.

**Features:** greenish gold fruit. White flowers in spring.

**Culture:** requires other variety for pollination.

***Quercus ellipsoidalis*****Northern Pin Oak**

**Recommendation:** planted in trial in 2004.

**Trial Average:** **Height:** — **Spread:** —

**Form:** oval form specimen tree.

**Features:** rich green foliage, red fall color.

**Culture:** full-sun.

**Quercus rubra****Red Oak**

**Recommendation:** satisfactory growth at Grande Prairie and Edmonton, but not recommended or failed at all other locations. In Edmonton they were difficult to establish and very slow growing in the first few years, but grew well once established.

**Trial Average:** **Height:** 1.2 m (2 locations only) **Spread:** 1.0 m (2 locations only)

**Form:** tree with upright, rounded crown, pyramidal at youth, rounded at maturity.

**Features:** leaves have sharply pointed lobes and are pinkish to reddish when unfolding to dark green at maturity, yellow-brown to red in fall.

**Culture:** full sun, prefers well-drained sandy loam soil, slightly acid, will develop chlorosis in high pH soils, tolerates air pollution.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-91	83-91	84-94	83-94	83-91	83-91	84-91
Height-Spread	150-118	92-93			35-32		
Rating	3.3	3.0			2.9		
Recommendation	S	S	N	N	N	N	F

**Quercus x warei 'Long'****Regal Prince® Oak (PPAF)**

**Recommendation:** planted in trial in 2002.

**Trial Average:** **Height:** — **Spread:** —

**Form:** upright, oval tree

**Features:** dark foliage with silver underside.

**Culture:** tolerant of a wide range of soil types.

**Rhododendron 'P.J.M.'****P.J.M. Rhododendron**

**Recommendation:** not recommended at any locations, not recommended unless soil is acidic, plants did not survive initial planting at Fairview and Red Deer.

**Trial Average:** **Height:** 35 cm **Spread:** 34 cm

**Form:** rounded shrub.

**Features:** dark green leaves in summer, plum purple in fall, showy mauve flowers.

**Culture:** requires acidic soil.

Site	Fairview	Edmonton	Red Deer	Bowden	Calgary	Brooks	Coaldale 2
Trial Period	94-99	92-97	92-97	92-97	92-97	94-96	94-99
Height-Spread		42-47		30-30	40-62	*54-44	18-10
Rating		3.0		3.0	2.0	2.0	1.0
Recommendation	F	N	F	N	N	n	N

\* data for Brooks was collected for only 3 years then plants had to be moved, the data is not included in trial average

**Ribes alpinum****Alpine Currant**

**Recommendation:** recommended at all locations, only males are planted because they are resistant to white pine blister rust (not a significant problem in Alberta). Introduced by Bailey's Nursery, St. Paul, Mn.

**Trial Average:** **Height:** 80 cm **Spread:** 180 cm

**Form:** densely, rounded shrub.

**Features:** glossy green leaves.

**Culture:** prefers good soils, grows in sun or shade, can be sheared into a hedge.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-94	86-94	86-94	86-94	85-94	85-92	86-91
Height-Spread	127-206	131-241	71-86	163-283	128-207	131-176	107-81
Rating	4.4	4.5	3.7	4.3	4.0	4.4	3.4
Recommendation	R	R	r	R	R	R	R

**Rosa 'BAIFace' Easy Elegance 'Funny Face'****Funny Face Easy Elegance Rose (PPAF)**

**Recommendation:** planted in trial in 2004. Graduate of the Bailey Rose Breeding Program.

**Trial Average:** **Height:** — **Spread:** —

**Form:** compact rounded shrub rose on own roots

**Features:** pink and white painted blooms, disease resistant, green foliage. Continuous blooms.

**Culture:** moist soil, full-sun.

**Rosa 'BAIhero' Easy Elegance 'My Hero'****My Hero Easy Elegance Rose (PPAF)**

**Recommendation:** planted in trial in 2004. Graduate of the Bailey Rose Breeding Program.

**Trial Average:** **Height:** — **Spread:** —

**Form:** self cleaning shrub rose on own roots.

**Features:** young red blooms that fade to deep pink as they mature, satiny green foliage, continuous blooms

**Culture:** moist soil, full-sun.

**Rosa 'BAline' Easy Elegance 'Yellow Submarine'****Yellow Submarine Easy Elegance Rose (PPAF)**

**Recommendation:** planted in trial in 2005.

**Trial Average:** **Height:** - **Spread:** -

**Form:** upright habit.

**Features:** medium yellow recurrent blooms (5 cm) on good green, disease resistant foliage.

**Culture:** full sun, moist conditions.

**Rosa 'BAIing' Easy Elegance 'Grandma's Blessing'****Grandma's Blessing Easy Elegance Rose (PPAF)**

**Recommendation:** planted in trial in 2005.

**Trial Average:** **Height:** - **Spread:** -

**Form:** symmetrical vase-shape form.

**Features:** pink recurrent blooms (5 cm) on dark green, disease resistant foliage.

**Culture:** full sun, moist conditions.

**Rosa 'Champlain'****Champlain Rose**

**Recommendation:** Recommended in Edmonton, Calgary and Brooks though black spot was noted at all locations. Rated satisfactory in Bowden where the plants suffered mechanical damage and in Coaldale where the plants were chlorotic due to saline conditions. The plants did not survive the first winter in Red Deer or Fairview. An Explorer Series Rose from the breeding program at Agriculture and Agri-Food Canada, Ottawa, ON.

**Trial Average:** **Height:** 69 cm **Spread:** 98 cm

**Form:** shrub rose.

**Features:** abundant foliage is glossy, dark green, everblooming, dark red flowers, moderately fragrant.

**Culture:** grows on its own root, can be expected to dieback to crown in zone 4 requiring spring pruning. Very vigorous regrowth.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96	96-01	96-00	96	96-01	96-01	96-01
Height-Spread		54-82	48-56		57-95	56-96	130-160
Rating		4	1.3		4	3.8	3
Recommendation	F	R	s	F	R	R	S

**Rosa 'David Thompson'****David Thompson Rose**

**Recommendation:** recommended at all locations except Brooks and Coaldale where growth was poor due to alkaline soil conditions. Generally requires some pruning to remove winter damaged stems. An Explorer Series Rose from the breeding program at Agriculture and Agri-Food Canada, Ottawa, ON.

**Trial Average:** **Height:** 80 cm **Spread:** 120 cm

**Form:** compact, shrub rose.

**Features:** crinkled, dark green leaves, resistant to blackspot and powdery mildew, double flowers, deep pink, does not form rosehips, repeat blooming from early summer to frost.

**Culture:** sensitive to alkaline soil.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	84-94	84-92	87-91
Height-Spread	113-108	11087	62-71	55-117	87-137	76-128	56-65
Rating	3.3	4.3	3.1	3.1	3.5		2.8
Recommendation	R	R	r	R	R	F	S

**Rosa ‘Jens Munk’****Jens Munk Rose**

**Recommendation:** recommended at all locations, generally requires some pruning to remove winter-killed stems. An Explorer Series Rose from the breeding program at Agriculture and Agri-Food Canada, Ottawa, ON.

**Trial Average:** **Height:** 90 cm **Spread:** 130 cm

**Form:** dense, shrub rose.

**Features:** crinkled, dark green leaves, resistant to blackspot and powdery mildew, double flowers, medium pink, attractive red, rose hips, repeat blooming from early summer to fall.

**Culture:** prefers well-drained soil.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	85-94	87-94	87-91
Height-Spread	81-86	117-130	77-92	92-203	82-129	90-153	75-83
Rating	3.2	4.4	4.2	4.4	3.0	4.5	3.4
Recommendation	R	R	r	R	R	R	R

**Rosa ‘John Cabot’****John Cabot Rose (COPF)**

**Recommendation:** recommended at Bowden, Calgary and Brooks, satisfactory growth at Grande Prairie, Edmonton Lacombe, failed at Coaldale, due to alkaline soil conditions, winter damage on stems. An Explorer Series Rose from the breeding program at Agriculture and Agri-Food Canada, Ottawa, ON.

**Trial Average:** **Height:** 115 cm **Spread:** 130 cm

**Form:** a shrub rose that will climb with support.

**Features:** dark green leaves, resistant to blackspot and powdery mildew, double flowers, medium red, fragrant, repeat blooming from early summer to frost.

**Culture:** prefers well-drained soil, sensitive to alkaline soil conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	85-94	84-94	85-94	85-94	85-91	84-91
Height-Spread	111-98	136-108	36-40	143-165	119-178	174-252	
Rating	2.9	2.7	2.5	3.0	3.4	4.5	
Recommendation	S	S	s	R	R	R	F

**Rosa ‘Meidiland Bonica’****Meidiland Bonica Rose**

**Recommendation:** highly recommended in Edmonton and Bowden, not recommended in Calgary, all test plants in Red Deer died at transplanting, but others are known to be doing very well in the area.

**Trial Average:** **Height:** 52 cm **Spread:** 69 cm

**Form:** small shrub.

**Features:** glossy green leaves, clusters of pink roses, continuous bloomer throughout the summer.

**Culture:** winter-kills to snowline in winter, but vigourously regrows, susceptible to leafspot.

**Rosa 'Meidiland Bonica'****Meidiland Bonica Rose**

Site	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	92-97	82-97	92-87	92-87		
Height-Spread	43-31	58-75		72-101		
Rating	3.5	4.0		2.0		
Recommendation	H	H	F	N		

**Rosa 'Morden Centennial'****Morden Centennial Rose**

**Recommendation:** recommended at Brooks, not recommended at Grande Prairie, and Calgary. In Edmonton plants in trial did poorly, but this rose has done well in other ornamental plantings. Generally requires some pruning to remove winter damaged stems. A Parkland Series Rose from the breeding program at Agriculture and Agri-Food Canada, Morden, MB.

**Trial Average:** **Height:** 110 cm **Spread:** 100 cm

**Form:** shrub rose.

**Features:** dark green leaves, floribunda type rose, medium pink, fragrant, repeat blooming from early summer to frost, red rosehips remain on the branches throughout the winter.

**Culture:** prefers well-drained soil, resistant to blackspot and powdery mildew.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	94-94	84-91			84-91	84-91	
Height-Spread	91-56	118-92			117-114	121-139	
Rating	2.5	2.1			2.0	4.0	
Recommendation	N	N			N	R	

**Rosa 'Noatraum'****Flower Carpet**

**Recommendation:** recommended with winter protection at Edmonton and Red Deer. Plants survived well at Calgary until after the last winter, which had little or no snow cover and therefore it is also recommended with winter protection at Calgary. The plants failed at the other locations.

**Trial Average:** **Height:** 24 cm **Spread:** 33 cm

**Form:** low spreading rose.

**Features:** glossy green leaves, profusion of double deep pink blossoms throughout the season.

**Culture:** hardy with adequate snow cover.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	95-00	95-00	85-00	95-00	95-00	95-00	95-00
Height-Spread		19-23		29-43			
Rating		2.0		3.5			
Recommendation	F	S	F	S	s	F	F

**Rosa 'Prairie Dawn'****Prairie Dawn Rose**

**Recommendation:** recommended at Edmonton, Calgary and Brooks, but only satisfactory growth at Grande Prairie due to competition, generally requires some pruning to remove winter damaged stems. An early introduction from the breeding program at Agriculture and Agri-Food Canada, Morden, MB.

**Trial Average:** **Height:** 160 cm **Spread:** 190 cm

**Form:** shrub rose.

**Features:** green leaves, double, deep pink flowers, repeat blooming from June until frost.

**Culture:** prefers well-drained soil, may dieback to crown in winter, but will regrow in spring.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-89	84-91			84-91	84-91	
Height-Spread	173-190	167-184			135-173	179-210	
Rating	3.2	3.5			3.4	4.5	
Recommendation	S	R			R	R	

**Salix acutifolia****Acute Leafed Willow**

**Recommendation:** recommended at Edmonton, Lacombe, Bowden and Brooks, only satisfactory growth at Calgary and Coaldale, basal suckering gives tree a shrubby untidy appearance, good for shelterbelts with moist conditions.

**Trial Average:** **Height:** 300 cm **Spread:** 320 cm

**Form:** large, sprawling, often a multi-stemmed shrub.

**Features:** green leaves.

**Culture:** sensitive to high pH soils, leaves subject to gall forming insects.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period		88-94	88-94	88-94	84-94	88-94	88-94
Height-Spread		411-521	256-195	262-408	325-388	258-309	187-83
Rating		4.3	4.8	4.2	2.5	4.3	3.3
Recommendation		R	h	R	S	R	S

**Salix alba 'Vitellina'****Golden Willow**

**Recommendation:** recommended at Grande Prairie, Edmonton, Bowden and Brooks, satisfactory growth at Lacombe, Calgary and Coaldale, heavy pruning required to keep tree in bounds, winter damage most years in Calgary.

**Trial Average:** **Height:** 4.8 m **Spread:** 4.7 m

**Form:** broad oval, low headed, often a multi-stemmed tree.

**Features:** green leaves, white underneath, bright yellow stems.

**Culture:** prefers moist soils, prune in summer or fall, full sun, pH adaptable.

**Salix alba 'Vitellina'****Golden Willow**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-89	84-89	84-89	84-89	84-91	84-91	84-91
Height-Spread	331-256	564-588	529-480	651-553	425-517	462-481	425-394
Rating	4.5	4.2	3.0	3.8	3.3	4.3	3.3
Recommendation	R	R	s	R	S	R	S

**Salix arctophila 'Thunder Mountain'****Thunder Mountain Willow**

**Recommendation:** rated satisfactory in Fairview where plants survived with heavy weed infestation and mechanical damage for three years when they were finally lost and in Edmonton where the plants suffered rust on the leaves. In Coaldale the plants were poor due to saline soils. In Calgary and Brooks, the plants survived but steadily declined each year. Selected by Beaverlodge Nurseries, Beaverlodge, AB.

**Trial Average:** **Height:** 14 cm **Spread:** 70 cm

**Form:** dwarf, trailing shrub.

**Features:** glossy green leaves.

**Culture:** Ground hugging willow with big broad leaves. Difficult to maintained in areas with dandelion problems.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96	96-01	96	96	96-01	96-01	96-01
Height-Spread		21-92			13-75	19-92	5-21
Rating		3			3	2.9	1
Recommendation	S	S	F	F	N	N	N

**Salix babylonica 'Lace'****Weeping Green Willow**

**Recommendation:** recommended at Brooks, only satisfactory growth at Red Deer and not recommended at Calgary. Failed in Fairview, Edmonton and Coaldale.

**Trial Average:** **Height:** 3.3 m **Spread:** 1.6 m

**Form:** fast growing weeping shade tree.

**Features:** long bright green leaves, yellow in fall.

**Culture:** fast growing likes full sun.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread			271-216	220-260	502-467	
Rating			2.4	1.0	4.0	
Recommendation	F	F	S	N	R	F

**Salix brachycarpa 'Blue Fox'****Blue Fox Willow**

**Recommendation:** recommended at all locations except Coaldale, where it failed, due to alkaline soils. Introduced by Lakeshore Tree Farms, Saskatoon, SK.

**Trial Average:** **Height:** 130 cm **Spread:** 220 cm

**Form:** upright, globe-shaped shrub.

**Features:** blue-grey leaves.

**Culture:** sensitive to alkaline soils.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	87-94	87-94	87-91
Height-Spread	97-331	191-274	125-144	101-136	179-261	120-191	
Rating	4.5	4.6	5.0	4.0	5.0	4.5	
Recommendation	R	H	h	R	H	R	F

**Salix daphnoides****Daphne Willow**

**Recommendation:** recommended at Bowden, Calgary and Brooks, only satisfactory growth at Edmonton, but grew well when mature, not recommended at Grande Prairie and Lacombe, not tested at Coaldale, plants were untidy and required yearly pruning.

**Trial Average:** **Height:** 4.6 m **Spread:** 4.9 m

**Form:** large, sprawling shrub.

**Features:** dark green leaves with bluish underside, large catkins in late winter.

**Culture:** prefers moist soils.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	85-89	85-94	85-94	85-94	85-91	
Height-Spread		455-504		521-624	484-492	362-333	
Rating		3.0		4.2	4.2	3.6	
Recommendation	F	S	N	R	R	R	

**Salix integra 'Hakura Nashiki'****Nashiki Willow**

**Recommendation:** planted in trial in 2002.

**Trial Average:** **Height:** — **Spread:** —

**Form:** rounded, spreading shrub.

**Features:** variegated green, pink and white foliage.

**Culture:** best in partial shade.

**Salix pentandra****Laurel Leaf Willow**

**Recommendation:** recommended at all locations, not tested at Coaldale.

**Trial Average:** **Height:** 4.2 m **Spread:** 4.1 m

**Form:** low, broad, rounded tree or large shrub.

**Features:** shiny, dark green leaves, deeply furrowed bark.

**Culture:** prefers moist locations.

**Salix pentandra****Laurel Leaf Willow**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	84-89	84-89	84-89	84-94	84-91	
Height-Spread	374-335	480-548	390-309	372-397	468-409	442-440	
Rating	4.8	4.8	4.3	4.0	4.6	4.4	
Recommendation	H	R	R	R	H	R	

**Salix repens****Creeping Willow**

**Recommendation:** recommended in Edmonton and Brooks and satisfactory in Calgary. Not recommended in Fairview, Bowden and Coaldale and plants failed to establish in Red Deer.

**Trial Average:** **Height:** 48 cm **Spread:** 142 cm

**Form:** low, spreading shrub, good groundcover.

**Features:** green leaves with silvery underside, silvery catkins.

**Culture:** pruning recommended to remove occasional dieback.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	97	97-02	97-00	97	97-02	97-02	97-02
Height-Spread		59-235	52-73		25-31	69-216	35-55
Rating		4	1		2	3.7	1
Recommendation	N	R	n	F	S	R	N

**Salix siliciola 'Polar Bear'****Polar Bear Willow**

**Recommendation:** planted in trial in 2003.

**Trial Average:** **Height:** — **Spread:** —

**Form:** large upright deciduous shrub.

**Features:** rounded, hairy, silver-blue foliage.

**Culture:** use as unique specimen or accent.

**Salix 'Felt Leaf'****Felt Leaf Willow**

**Recommendation:** plants failed in Red Deer, Bowden and Calgary. Not recommended at Edmonton, Brooks or Coaldale where plants were not healthy looking plants at the end of the trial or in Fairview where only one plant survived. Selected by Beaverlodge Nurseries, Beaverlodge, AB.

**Trial Average:** **Height:** 74 cm **Spread:** 82 cm

**Form:** low, spreading shrub, groundcover.

**Features:** yellow stems, green, hairy foliage.

**Culture:** seems to defoliate early.

**Salix 'Felt Leaf'****Felt Leaf Willow**

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	97-02	96-01	97	97	96	96-01	96-01
Height-Spread	151-157	137-18				71-194	13-35
Rating	3	3.5				3	2
Recommendation	N	N	F	F	F	N	N

**Salix 'Prairie Cascade'****Prairie Cascade Willow (COPF)**

**Recommendation:** recommended at Brooks, only satisfactory growth at Edmonton, Lacombe, Bowden and Coaldale, not recommended at Grande Prairie or Calgary. Most plants died back to snowline each year in most locations. Those which survived and became more mature sustained only minor tipkill. Introduced by Agriculture and Agri-Food Canada, Morden, MB.

**Trial Average:** **Height:** 2.8 m **Spread:** 4.2 m

**Form:** weeping shade tree.

**Features:** glossy green leaves, yellow in fall, golden stem colour.

**Culture:** prefers adequately moist conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94	87-94	87-94	87-94	87-94	87-94
Height-Spread	170-258	216-442	215-247	218-240		550-413	331-227
Rating	2.7	3.1	3.4	3.7		4.0	3.5
Recommendation	N	S	s	S	N	R	S

**Sambucus canadensis 'Aurea'****Golden Elder**

**Recommendation:** recommended at Brooks, only satisfactory growth at Grande Prairie, Edmonton and Calgary, varying amounts of winter injury in all locations every year, but regrowth is vigorous.

**Trial Average:** **Height:** 210 cm **Spread:** 230 cm

**Form:** upright shrub.

**Features:** golden yellow leaves.

**Culture:** prefers moist, but will tolerate dry soils, grows in sun or partial shade, pH adaptable.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-94			84-94	84-91	
Height-Spread	194-172	251-248			160-190	233-322	
Rating	2.6	3.0			3.3	4.6	
Recommendation	S	S			S	R	

***Sambucus nigra* 'Black Beauty'** **Black Beauty Elder**

**Recommendation:** planted in trial in 2003.  
**Trial Average:** **Height:** — **Spread:** —  
**Form:** large contrast plant.  
**Features:** intense purple-black foliage, massive pink flowers in midsummer, purple berries in late summer.  
**Culture:** full sun to partial shade.

***Sambucus nigra* 'Marginata'** **Madonna Elder**

**Recommendation:** planted in trial in 2001.  
**Trial Average:** **Height:** — **Spread:** —  
**Form:** large contrast plant.  
**Features:** dark green foliage with creamy margins. Large clusters of white flowers.  
**Culture:** —

***Sambucus racemosa* 'Plumosa Aurea'** **Golden Plume Elder**

**Recommendation:** recommended at Edmonton, Bowden, Calgary and Brooks, only satisfactory growth at Grande Prairie and Lacombe, failed at Coaldale 1, possibly due to high pH and competition, some winter damage every year.  
**Trial Average:** **Height:** 190 cm **Spread:** 230 cm  
**Form:** dense, rounded shrub.  
**Features:** deeply incised, gold leaves, small cream flowers in spring.  
**Culture:** prefers moist, but will tolerate dry soils, grows in sun or partial shade.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-94	85-94	85-94	85-94	84-91	85-91	84-94
Height-Spread	171-215	227-37	144-189	198-247	204-231	204-231	
Rating	3.2	3.8	3.0	3.7	4.0	4.0	
Recommendation	S	R	s	R	R	R	F

***Sorbaria sorbifolia* 'Aurora'** **Aurora False Spirea**

**Recommendation:** recommended at all locations, growth was only satisfactory at Grande Prairie, plants easily spread by suckers and are quite invasive, should be cut back every season.  
**Trial Average:** **Height:** 140 cm **Spread:** 140 cm  
**Form:** upright shrub.  
**Features:** deep green leaves, dense, fern-like leaves, large plumes of flowers in June.  
**Culture:** prefers moist, well-drained soil, stunted in dry soils, full sun, pH adaptable.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	88-94	88-94	88-94	88-94	86-91	88-94	88-94
Height-Spread	125-115	144-180	114-75	126-60	163-174	267-331	65-40
Rating	2.0	3.8	3.9	3.9	3.9	5.0	3.6
Recommendation	S	R	r	R	R	H	R

***Sorbus americana*****American Mountain Ash**

**Recommendation:** recommended at all locations, except satisfactory growth at Bowden and Coaldale 1, some pear slug damage recorded at Calgary, damaged also by late spring frost at Edmonton which resulted in multi-stemmed shrubby plants.

**Trial Average:** **Height:** 1.8 m **Spread:** 1.1 m

**Form:** tree with upright, oval-shaped crown.

**Features:** green leaves, orange fall colour, white flowers in spring, bright red fruit attract birds in winter.

**Culture:** prefers moist soil conditions, susceptible to fireblight and sunscald.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-89	83-89	85-89	84-89	83-91	83-91	84-91
Height-Spread	228-144	231-172	154-101	135-72	194-131	171-106	118-58
Rating	4.2	3.8	3.2	3.0	4.2	3.8	2.3
Recommendation	R	R	r	S	R	R	S

***Sorbus aucuparia* 'Rossica'****Russian Mountain Ash**

**Recommendation:** recommended at Edmonton and Bowden, satisfactory growth at Grande Prairie, failed at Lacombe and Calgary, not tested at Brooks and Coaldale.

**Trial Average:** **Height:** 308 cm **Spread :** 145 cm

**Form:** upright, oval pyramidal tree.

**Features:** deep green leaves, yellowish-red fall colour, flowers in spring, bright red fruit in the fall.

**Culture:** prefers acid, well-drained soils, not tolerant of urban conditions, susceptible to fireblight, sunscald and canker.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-94	87-94	85-94	85-94	85-94		
Height-Spread	228-95	375-206		320-133			
Rating	3.2	4.2		4.0			
Recommendation	S	R	F	R	F		

***Sorbus intermedia*****Swedish Whitebeam**

**Recommendation:** planted in trial in 2003.

**Trial Average:** **Height:** — **Spread:** —

**Form:** dense tree.

**Features:** deeply lobed oval leaves, small white flowers in clusters in spring, red fruit. Splendid red fall colour.

**Culture:** full-sun to partial shade, prefers well-drained but moist soils.

***Sorbus scopulina*****Green's Mountain Ash, Western Mountain Ash**

**Recommendation:** recommended at all locations, except Coaldale, where the pH was high, some winter injury most years.

**Trial Average:** **Height:** 2.0 m **Spread:** 1.0 m

**Form:** dense, globular, multi-stemmed tree.

**Features:** green leaves, orange-red in the fall, white flowers in spring, bright red berries remain into winter.

**Culture:** adapts to many soil conditions, sensitive to high pH, susceptible to pear slug damage.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-91	86-94	87-94	87-94	85-94	86-91	86-91
Height-Spread	181-95	170-157	178-72	286-136	170-140	298-95	57-33
Rating	4.0	4.2	4.0	4.4	4.5	3.4	1.6
Recommendation	R	R	r	R	R	R	N

***Spiraea japonica* 'Alpina'****Daphne Spirea**

**Recommendation:** recommended in Edmonton and Brooks. In Calgary, only one plant survived. Plants did not survive in all other locations.

**Trial Average:** **Height:** 21 cm **Spread:** 50 cm

**Form:** dense mat-like shrub, tidy groundcover.

**Features:** small blue-green leaves, short, wiry branches tipped with a cluster of pink flowers.

**Culture:** plants may be pruned back hard occasionally to rejuvenate.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	97	97-02	97	97	97-02	97-02	97
Height-Spread		21-54			13-35	29-60	
Rating		3.2			2	4	
Recommendation	N	R	N	F	N	R	N

***Spiraea japonica* 'Mertyann'****Dakota Goldcharm™ Spirea**

**Recommendation:** failed in Fairview, Red Deer and Coaldale. Satisfactory only at Edmonton, Calgary and Brooks. Introduced by the North Dakota State University.

**Trial Average:** **Height:** 27 cm **Spread:** 52 cm

**Form:** extremely dwarf, mounded shrub.

**Features:** yellowish-gold leaves, reddish tips, fall pinkish-red, bright pink flowers.

**Culture:** full sun.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread		17-36		29-54	33-63	
Rating		2.0		3.0	3.0	
Recommendation	F	S	F	S	S	F

***Spiraea nipponica* 'Halwards Silver'****Halwards Silver Spirea**

**Recommendation:** recommended at all locations, except Grande Prairie where growth was only satisfactory, not tested at Lacombe, may require pruning in the spring to remove dead wood, vigorous regrowth.

**Trial Average:** **Height:** 70 cm **Spread:** 110 cm

**Form:** compact, dense shrub, with upright arching branches

**Features:** dark green leaves, abundant white flowers in late spring

**Culture:** adapts to many soil conditions, full sun

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	87-94	87-94		87-94	87-94	87-94	87-94
Height-Spread	55-55	69-155		49-108	92-143	72-119	66-84
Rating	3.7	4.1		3.5	4.2	4.3	4.2
Recommendation	S	R		R	R	R	R

***Spiraea x arguta* 'Compacta'****Dwarf Garland Spirea**

**Recommendation:** recommended in Edmonton, Calgary and Brooks.

**Trial Average:** **Height:** 82 cm **Spread:** 116 cm

**Form:** dwarf compact shrub.

**Features:** fine textured leaves, masses of small white flowers in early spring.

**Culture:** plants may be pruned back hard occasionally to rejuvenate.

***Spiraea x bumalda* 'Crispa'****Crispa Spirea**

**Recommendation:** recommended at all locations, requires pruning, plants dieback each winter and grow vigorously in the spring.

**Trial Average:** **Height:** 60 cm **Spread:** 78 cm

**Form:** small, compact plant.

**Features:** deeply serrated, crinkled, green-bronze leaves, pink flowers, continuous blooming in summer.

**Culture:** adapts to many soil conditions, becomes chlorotic in alkaline soils, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91	84-94	84-94	85-94	84-91	84-91
Height-Spread	39-48	48-79	50-56	49-62	125-160	59-72	48-67
Rating	3.3	3.5	2.9	3.3	3.7	4.3	3.5
Recommendation		R	N	N	R	R	N

***Spiraea x bumalda* 'Goldflame'****Goldflame Spirea**

**Recommendation:** recommended at all locations, requires pruning, plants dieback each winter and grow vigorously in the spring.

**Trial Average:** **Height:** 60 cm **Spread:** 100 cm

**Form:** dwarf shrub, low mounded.

**Features:** golden, purple tipped leaves, copper-orange with gold in fall, pink flowers.

**Culture:** adapts to many soil conditions, full sun, tolerates hot locations.

62	Ratings:	0 - dead	2 - major dieback	4 - good, some tip kill
		1 - poor, low sprouts	3 - fair, injury to branches	5. excellent, no injury

**Spiraea x bumalda 'Goldflame'****Goldflame Spiraea**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-89	84-89	84-89	84-89	85-91	84-91	84-91
Height-Spread	57-74	85-143	80-138	64-107	52-75	61-88	56-67
Rating	3.0	4.1	3.3	3.0	3.3	3.8	3.0
Recommendation	R	H	R	R	R	R	R

**Spiraea x bumalda 'Golden Carpet'****Golden Carpet Spiraea (PBR#0547)**

**Recommendation:** planted in trial in 2005, introduction from Quebec.  
**Trial Average:** **Height:** - **Spread:** -  
**Form:** dwarf spreading shrub  
**Features:** soft yellow foliage intensifies to bright gold later in season. Occasional pink flower clusters  
**Culture:** full sun, moist conditions

**Spiraea x bumalda 'Green Carpet'****Green Carpet Spiraea (PBR#0546)**

**Recommendation:** planted in trial in 2005.  
**Trial Average:** **Height:** - **Spread:** -  
**Form:** dwarf spreading shrub  
**Features:** medium green foliage changes to reddish in the fall. Pink flower clusters cover plant in summer.  
**Culture:** full sun to part shade, little pruning necessary. Good for borders. Deadheading flowers will promote more flowers.

**Spiraea x bumalda 'Sparkling Carpet'****Sparkling Carpet Spiraea (PBR#0548)**

**Recommendation:** planted in trial in 2005, introduction from Quebec  
**Trial Average:** **Height:** - **Spread:** -  
**Form:** dwarf spreading shrub  
**Features:** golden-lime colored foliage with bronze tinge new growth changes to reddish-purple in fall. Pink flower clusters in summer.  
**Culture:** full sun to part shade, little pruning necessary. Good for borders.

**Spiraea x cinerea 'Grefsheim'****Grefsheim Spiraea**

**Recommendation:** recommended at all locations except Grande Prairie and Edmonton where growth was only satisfactory, may require pruning, as plants can dieback each winter and grow vigorously in the spring.  
**Trial Average:** **Height:** 120 cm **Spread:** 150 cm  
**Form:** low, compact shrub.  
**Features:** green leaves with white flowers in spring.  
**Culture:** adapts to many soil conditions, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-91	85-94	85-94	84-94	85-94	85-91	85-91
Height-Spread	70-100	121-176	102-131	141-181	135-160	120-172	134-108
Rating	3.0	3.0	3.6	4.0	3.7	4.4	3.4
Recommendation	S	S	r	R	R	R	R

***Spiraea x japonica* 'Goldmound'****Goldmound Spirea**

**Recommendation:** recommended at Edmonton, Bowden and Red Deer, growth was only satisfactory at Brooks and Calgary locations, requires pruning, plants dieback each winter and grow vigorously in the spring.

**Trial Average:** **Height:** 46 cm **Spread:** 92 cm

**Form:** very dense, dwarf, compact, ball shaped shrub.

**Features:** yellow leaves, pink flowers, continuous blooming.

**Culture:** adapts to many soil conditions, full sun.

Site	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	91-97	91-97	92-97	91-96	91-96	
Height-Spread	57-108	58-130	45-90	40-77	28-54	
Rating	5.0	5.0	5.0	3.0	3.5	
Recommendation	H	H	H	S	S	

***Spiraea x* 'Korman'****Korman Spirea**

**Recommendation:** satisfactory growth at Edmonton, Bowden, Brooks and Coaldale 1. Not recommended other locations. Introduced by University of Manitoba.

**Trial Average:** **Height:** 70 cm **Spread:** 80 cm

**Form:** low, compact, vase-shaped shrub.

**Features:** green leaves, a profusion of white blooms early in the season.

**Culture:** full sun, does not tolerate high pH soils, susceptible to powdery mildew.

Site	Fairview	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1	Coaldale2
Trial Period	95-00	88-94	88-94	88-94	88-94	88-94	88-94	88-94	95-00
Height-Spread			96-119		59-56		67-80	63-51	81-75
Rating			3.4		2.5		3.6	3.7	3.0
Recommendation	F	F	S	N	S	N	S	S	N

***Symphoricarpos doorenbosi* 'Marleen'****Pink Snowberry (COPF)**

**Recommendation:** planted in trial in 2002.

**Trial Average:** **Height:** — **Spread:** —

**Form:** rounded shrub arching branches

**Features:** dark bluish green foliage, pink clusters of flowers and pinkish white fruit

**Culture:** used for cut flowers.

***Symphoricarpos orbiculatus* 'Taff's Silver Edge'****Taff's Silver Edge Snowberry**

**Recommendation:** planted in trial in 2002.

**Trial Average:** **Height:** — **Spread:** —

**Form:** rounded shrub

**Features:** silver, green and white variegated slightly curled variegated foliage with inconspicuous flowers

**Culture:** specimen plant in full sun to partial shade

**Syringa 'Bailbelle'****Tinkerbell™ Lilac (COPF) (PPAF)**

**Recommendation:** planted in trial in 2001.  
**Trial Average:** **Height:** — **Spread:** —  
**Form:** upright shrub. Smaller lilac.  
**Features:** green foliage and single pink flowers, spicy fragrance.  
**Culture:** foundation planting, hedge or specimen shrub.

**Syringa meyeri 'Palibin'****Dwarf Korean Lilac**

**Recommendation:** recommended at all locations, some tipkill at Grande Prairie most winters, usually does not set seed so dead flower stalks resemble tipkill.  
**Trial Average:** **Height:** 100 cm **Spread:** 130 cm  
**Form:** uniform, dense, compact, rounded shrub, clean and neat branching.  
**Features:** small, dark green leaves, red-purple buds open to pale pink flowers which are early and profuse.  
**Culture:** adapts to many soil types, low maintenance, young plants will flower.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-91	85-94	85-94	85-94	85-94	85-91	85-91
Height-Spread	81-121	119-162	82-88	106-150	99-113	127-185	96-111
Rating	3.9	4.2	3.6	4.6	4.3	4.3	3.7
Recommendation	R	R	r	H	R	R	R

**Syringa reticulata 'Ivory Silk'****Ivory Silk Lilac**

**Recommendation:** recommended in Edmonton, Bowden, and Red Deer, not recommended in Calgary, not tested in Brooks or Coaldale, winterkilled to ground in some years.  
**Trial Average:** **Height:** 236 cm **Spread:** 91.5 cm  
**Form:** columnar shrub.  
**Features:** green leaves, white flowers with very strong fragrance, blooms after all others are spent.  
**Culture:** rootstock suckering is a problem, will tipkill or dieback during cold winters.

Site	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	92-97	92-97	92-97	92-91		
Height-Spread	239-80	272-90	154-67	279-129		
Rating	3.5	4.5	2.5	2.0		
Recommendation	R	R	S	N		

**Syringa x hyacinthiflora 'Blanche Sweet'****Blanche Sweet Lilac**

**Recommendation:** Skinner selection. Failed in Fairview, Calgary and Coaldale. Recommended in Edmonton, Red Deer and Brooks.  
**Trial Average:** **Height:** 1.3 m **Spread:** 1.0 m  
**Form:** upright shrub.  
**Features:** green leaves, blue buds, flowers are fragrant whitish-blue petals tinged with pink.  
**Culture:** use where early fragrant blooms are desired

**Syringa x hyacinthiflora 'Blanche Sweet'****Blanche Sweet Lilac**

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread		159-124	87-79		166-111	
Rating		3.7	3.5		4.6	
Recommendation	F	R	R	F	R	F

**Syringa x prestoniae 'Minuet'****Minuet Lilac**

**Recommendation:** recommended at all locations, vigorous plant, non-suckering. Preston hybrid introduced by Dr. W.A. Cumming.

**Trial Average:** **Height:** 150 cm **Spread:** 110 cm

**Form:** dense, compact shrub, non-suckering.

**Features:** large, dark green leaves, single, light pink flowers in late spring.

**Culture:** adapts to many soil types, not invasive, does not sucker to any extent.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	85-94	85-89	85-94	85-91	85-91	85-91
Height-Spread	140-104	177-145	147-98	152-117	165-111	156-92	93-76
Rating	4.6	4.2	4.3	4.8	4.6	4.6	3.5
Recommendation	H	R	r	H	H	H	R

**Syringa x prestoniae 'Royalty'****Royalty Lilac**

**Recommendation:** recommended at all locations.

**Trial Average:** **Height:** 130 cm **Spread:** 140 cm

**Form:** upright shrub.

**Features:** dark green leaves, single, deep-purple, showy, large flowers in spring.

**Culture:** adapts to many soil types, not invasive, only suckers from base of plant, not roots.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-94	85-94	88-94	85-94	85-91	85-91	85-91
Height-Spread	101-94	181-194	86-94	117-114	170-176	142-165	143-132
Rating	4.0	4.2	3.8	4.6	4.6	4.6	4.4
Recommendation	R	R	r	R	H	H	R

**Tamarix ramosissima 'Summer Glow'****Summer Glow Tamarisk**

**Recommendation:** recommended with protection at Edmonton, Red Deer, Bowden and Brooks. The plants may suffer winter dieback at these locations, the regrowth is vigorous and it will bloom yearly. Severe dieback occurred at Fairview, Calgary and Coaldale where it is not recommended.

**Trial Average:** **Height:** 151 **Spread:** 139

**Form:** loose, open shrub.

**Features:** fine textured, feathery, silvery-blue leaves, pink flower spikes all summer.

**Culture:** tolerant of many soil conditions, hardy roots, top dies back often with vigorous regrowth.

**Tamarix ramosissima 'Summer Glow'****Summer Glow Tamarisk**

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	95-00	95-00	95-00	95-00	95-00	95-00	95-00
Height-Spread	106-69	153-158	147-126	112-121	118-121	251-235	169-144
Rating	2.0	4.0	3.5	4.0	2.0	4.0	2.5
Recommendation	N	R	S	R	N	R	N

**Taxus cuspidata****Spreading Japanese Yew**

**Recommendation:** recommended only at Bowden, growth was satisfactory at Grande Prairie, Edmonton, and Calgary, not recommended at other locations.

**Trial Average:** **Height:** 40 cm **Spread:** 60 cm

**Form:** spreading, vase-shaped shrub.

**Features:** dense, dark green needles, exfoliating bark.

**Culture:** prefers good drainage, does not tolerate high pH, needs a protected area, tolerates urban conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-94	85-94	86-94	86-94	86-94	86-94	86-91
Height-Spread	43-56	34-55	17-38	56-81	36-53	60-81	26-31
Rating	3.6	2.6	2.2	4.1	3.1	2.2	2.0
Recommendation	S	S	N	R	S	N	N

**Thuja occidentalis 'Brandon'****Brandon Cedar**

**Recommendation:** recommended at Grande Prairie and Lacombe (with protection) and Bowden, satisfactory growth at Edmonton (doing well in the city), not recommended at Calgary, failed at Brooks due to severe deer and winter damage, failed at Coaldale as well.

**Trial Average:** **Height:** 90 cm **Spread:** 50 cm

**Form:** dense, columnar large shrub.

**Features:** bright green foliage.

**Culture:** does not tolerate high pH soils, requires good moisture, full sun, protection from high wind and ice damage.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-94	86-94	86-94	84-89	86-91	84-91	84-91
Height-Spread	134-51	80-42	59-33	76-51		85-42	
Rating	4.6	2.8	5.0	4.0			
Recommendation	H	S	h	R	N	F	F

**Thuja occidentalis 'Little Giant'****Little Giant Cedar**

**Recommendation:** recommended at all locations, the plants kept their globe shape for the first five to seven years then began to become more conical.

**Trial Average:** **Height:** 40 cm **Spread:** 40 cm

**Form:** compact, globe-shaped shrub.

**Features:** green foliage.

**Culture:** adapts to many soil types, requires sufficient moisture and is sensitive to high pH soils.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-94	84-91	84-94	84-91	84-91	84-91	84-91
Height-Spread	42-31	49-40	39-33	39-34	40-41	43-45	42-30
Rating	4.2	4.2	4.3	4.1	3.8	4.4	3.6
Recommendation	R	R	R	R	R	R	R

**Thuja occidentalis 'Smaragd'****Emerald Cedar**

**Recommendation:** satisfactory growth at Grande Prairie, Edmonton, Lacombe, Brooks and Coaldale, failed at Bowden and Calgary, perhaps due to high pH soil. Plants do well in the City of Edmonton.

**Trial Average:** **Height:** 40 cm **Spread:** 60 cm

**Form:** small, narrow, uniform, pyramidal tree.

**Features:** bright green foliage.

**Culture:** not adapted to high pH soils, subject to sunscald.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	86-94	86-94	87-94	87-94	87-94	86-91	84-91
Height-Spread	73-35	41-76	41-27		69-36	74-40	65-30
Rating	3.5	2.6	2.7			3.0	2.9
Recommendation	S	S	s	F	F	S	S

**Thuja occidentalis 'Teddy'****Teddy Cedar**

**Recommendation:** planted in trial in 2005.

**Trial Average:** **Height:** - **Spread:** -

**Form:** small global shrub

**Features:** compact global evergreen soft green needles turn plum colour in winter

**Culture:** full sun to part shade, medium moisture

**Tilia americana 'Redmond'****Redmond Linden**

**Recommendation:** recommended at Edmonton, Bowden and Red Deer, not recommended at Brooks or Calgary, significant winter injury occurred 1995/1996.

**Trial Average:** **Height:** 2.9 m **Spread:** 1.2 m

**Form:** upright, pyramidal tree, dense and uniform.

**Features:** very large, dark green leaves.

**Culture:** tolerant of urban conditions.

68	Ratings:	0 - dead	2 - major dieback	4 - good, some tip kill
		1 - poor, low sprouts	3 - fair, injury to branches	5. excellent, no injury

**Tilia americana 'Redmond'****Redmond Linden**

Site	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 1
Trial Period	91-93	91-96	92-97	91-96	91-96	
Height-Spread	443-148	243-195	256-116			
Rating	5.0	3.5	4.5			
Recommendation	H	H	H	N	N	

**Tilia cordata****Littleleaf Linden**

**Recommendation:** recommended at Edmonton and Bowden, satisfactory at Lacombe and Calgary, not recommended at other locations, trees were severely damaged by late spring frost in 1987.

**Trial Average:** **Height:** 195 cm **Spread:** 167 cm

**Form:** tree with broadly pyramidal crown.

**Features:** small, dark green leaves, yellow in fall, cream coloured flowers in July, very fragrant.

**Culture:** prefers moist, well-drained soil, pH adaptable, full sun, tolerates urban conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91	84-94	86-94	84-91	84-91	86-91
Height-Spread	248-105	171-238	107-79	316-299	161-158	201-181	152-102
Rating	2.5	3.5	3.3	3.8	3.2	2.0	2.8
Recommendation	N	R	S	R	S	N	N

**Tilia cordata 'Greenspire'****Greenspire® Linden**

**Recommendation:** recommended at Bowden, satisfactory at Edmonton and Fairview, though only one plant survived in Fairview. In Brooks, Coaldale and Red Deer the plants grew well initially, developed poor shape due to a lot of dieback.

**Trial Average:** **Height:** 305 **Spread:** 131

**Form:** narrow, oval head on a straight trunk.

**Features:** small, dark green leaves, small fragrant yellow flowers.

**Culture:** full sun, prefers moist, well-drained soils.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	95-00	95-00	95-00	95-00	95-00	95-00	95-00
Height-Spread	255-100	389-138	297-128	315-176		356-158	215-86
Rating	4.0	3.0	3.0	3.5		3.0	3.0
Recommendation	S	S	N	R	N	N	N

**Tilia cordata 'Ronald'****Norlin™ Linden (PP8239)**

**Recommendation:** recommended in Edmonton only, though tip kill does occur. Satisfactory in Bowden though the plants were tested in a shady location, Red Deer where only 1 remained in 2001 and Brooks where dieback had misshaped the trees. Not recommended at Fairview where the trees were lost or Coaldale where the trees were severely misshaped. Introduced by Jeffries Nursery, MB.

**Trial Average:** **Height:** 154 cm **Spread:** 168 cm

**Form:** broad, pyramidal head.

**Features:** dark green leaves, yellow in fall.

**Culture:** fast growing, great resistance to sunscald and leaf gall, thought to be hardy tree for northern plains and prairies.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96	96-01	96-00	96-01	96-01	96-01	96-01
Height-Spread		171-184	186-173	172-157	166-147	71-194	161-153
Rating		3	2	3	1.3	3.3	3
Recommendation	N	R	s	S	N	S	N

**Tilia mongolica****Mongolian Linden**

**Recommendation:** plants failed at all locations.

**Trial Average:** **Height:** no data **Spread:** no data

**Form:** tree with rounded crown.

**Features:** dark green leaves.

**Culture:** subject to storm damage, ice and snow.

**Tilia mongolica 'Harvest Gold'****Harvest Gold Linden (PPAF)**

**Recommendation:** satisfactory only in Edmonton where the plants grew well with only tipkill until 2001 when all but one was lost during the very dry winter. Trees were not tried at Fairview. Not recommended at all other locations where the trees suffered dieback, lost leaders and developed poor shape over the duration of the trial.

**Trial Average:** **Height:** 248 cm **Spread:** 167 cm

**Form:** upright, oval, round-headed tree.

**Features:** green leaves to yellow in fall.

**Culture:** fast growing and resistant to sunscald, injury and leaf spot.

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period		96-01	96-00	97-00	96-01	96-01	96-01
Height-Spread		156-150	171-147	170-68	330-216	287-157	297-167
Rating		3	3	1.6	2.5	2.9	2.3
Recommendation		S	N	N	N	N	N

**Tilia x flavescens 'Dropmore'****Dropmore Linden**

**Recommendation:** recommended at Grande Prairie, Edmonton and Coaldale 1, satisfactory at Calgary, failed at Lacombe, Bowden and Brooks, but is known to do well in Brooks.

**Trial Average:** **Height:** 1.9 m **Spread:** 1.6 m

**Form:** tree with pyramidal crown.

**Features:** dark green leaves, yellow in fall, cream coloured flowers in July very fragrant.

**Culture:** not tolerant of high pH soils, resistant to Linden mite.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91	84-94	84-94	84-94	84-92	84-94
Height-Spread	200-150	187-294			172-90		213-93
Rating	3.7	4.1			3.1		3.8
Recommendation	R	R	F	F	S	F	R

**Ulmus americana****American Elm**

**Recommendation:** recommended at all locations except at Calgary site; however, elms are known to grow well in Calgary.

**Trial Average:** **Height:** 2.8 m **Spread:** 2.4 m

**Form:** large tree with vase-shaped crown.

**Features:** green leaves, yellow in fall.

**Culture:** prefers rich, moist soils but does well in a variety of soils, tolerates urban conditions, tolerant to high pH and salty soils, subject to a number of insect pests and diseases. Susceptible to Dutch Elm Disease.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-88	84-88	86-94	84-94	83-88	83-88	84-94
Height-Spread	298-348		231-211	337-241	162-170	356-312	318-156
Rating	3.4	5.0	4.0	4.7	2.0	3.5	4.4
Recommendation	R	H	r	H	N	R	R

\* Alberta is Dutch Elm Disease free at this time (2005)

**Ulmus americana 'Brandon'****Brandon Elm**

**Recommendation:** recommended at all locations, may require some training when young to develop good form, has weak branch angles making it susceptible to splitting from heavy snow or strong winds.

**Trial Average:** **Height:** 4.5 m **Spread:** 2.5 m

**Form:** tree with an upright, spreading crown (more compact than the species).

**Features:** green leaves, yellow in fall.

**Culture:** prefers rich, moist soils, tolerates urban conditions, subject to a number of insect pests and diseases. Susceptible to Dutch Elm Disease.

***Ulmus americana* 'Brandon'****Brandon Elm**

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	88-94	88-94	88-94	88-94	88-94	88-94	88-94
Height-Spread	495-271	581-365	286-118	422-181	517-358	535-350	298-114
Rating	5.0	5.0	5.0	4.9	5.0	4.9	4.4
Recommendation	H	H	h	H	H	H	R

\* Alberta is Dutch Elm Disease free at this time (2005)

***Ulmus davidiana* var *japonica* 'Discovery'****Discovery Japanese Elm (PPAF)**

**Recommendation:** Introduced by R. Durrand, MB. Failed at all sites except two trees in Brooks which were satisfactory.

**Trial Average:** **Height:** 4.6 m **Spread:** 3.1 m

**Form:** upright, vase shaped tree, similar to American elm, but smaller.

**Features:** green leaves, yellow in fall.

**Culture:** highly resistant to Dutch Elm Disease, cold hardy. Selected for disease resistance, surviving plants had poor branching habits requiring pruning to strengthen crotches.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 1
Trial Period	00-05	00-05	00-05	00-05	00-05	00-05
Height-Spread					456-314	
Rating					3	
Recommendation	F	F	F	F	S	F

\* Alberta is Dutch Elm Disease free at this time (2005)

***Ulmus pumila*****Manchurian/Siberian Elm**

**Recommendation:** recommended at all locations except Coaldale where growth was only satisfactory, requires pruning to maintain form.

**Trial Average:** **Height:** 2.9 m **Spread:** 3.3 m

**Form:** upright, spreading tree with fine branching.

**Features:** small, green leaves, yellow in fall.

**Culture:** tolerates many soil conditions, resistant to Dutch elm disease, fast growing, weak branch angles, brittle wood breaks easily, weedy due to seedlings, susceptible to a bacterial disorder called slime flux.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	83-91	83-91	87-94	84-94	83-91	83-91	84-91
Height-Spread	290-331		239-269	355-364	130-199	406-572	339-218
Rating	3.8	4.5	3.9	4.2	3.5	4.3	2.9
Recommendation	R	R	r	R	R	R	S

***Viburnum dentatum*****Arrowwood Viburnum**

**Recommendation:** recommended at most locations, except satisfactory at Calgary and failed at Coaldale 1, some winter injury occurs in most years.

**Trial Average:** **Height:** 110 cm **Spread:** 120 cm

**Form:** upright, dense shrub.

**Features:** dark, glossy green leaves, red-purple in fall, flat clusters of white flowers in June.

**Culture:** prefers well-drained soil, but tolerates many soil conditions, full sun or part shade, produces suckers.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	85-91	85-94	84-94	85-94	85-94	85-91	86-91
Height-Spread	91-105	137-133	73-68	106-126	111-125	136-154	
Rating	3.2	3.2	3.3	3.7	3.1	4.4	
Recommendation	R	R	R	R	S	R	F

***Viburnum dentatum* ‘Christom’****Blue Muffin™ Arrowwood Viburnum**

**Recommendation:** planted in trial in 2004.

**Trial Average:** **Height:** — **Spread:** —

**Form:** rounded compact plant.

**Features:** glossy green foliage. White flowers cover plant in spring. Rich blue berries later in summer

**Culture:** full-sun to shade, most soil types. Low hedge or foundation planting.

***Viburnum lantana*****Wayfaring Tree**

**Recommendation:** recommended at Edmonton, Lacombe, Bowden and Brooks, satisfactory growth at Grande Prairie and Coaldale, did not survive transplanting in Calgary.

**Trial Average:** **Height:** 120 cm **Spread:** 130 cm

**Form:** coarse, upright, rounded shrub.

**Features:** dark gray-green leaves, purple-red in the fall, flat clusters of white flowers in June.

**Culture:** prefers loamy, well-drained soil but tolerates dry conditions, sun or part shade.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-94	86-94	84-94	86-94	84-91	86-91	84-91
Height-Spread	81-79	137-203	100-99	178-183	90-63	172-185	98-79
Rating	3.0	4.1	3.8	4.1		4.3	3.1
Recommendation	S	R	R	R	N	R	S

***Viburnum lantana* ‘Mohican’****Mohican Wayfaring Tree**

**Recommendation:** highly recommended in Calgary, Brooks and Coaldale. Satisfactory in Edmonton and Red Deer and failed at Fariview. Introduced by the U.S. National Arboretum.

**Trial Average:** **Height:** 129 cm **Spread:** 149 cm

**Form:** dense, globe-shaped shrub.

**Features:** thick, leathery, dark green-gray leaves, large, cream coloured flower clusters.

**Culture:** does well in saline areas.

***Viburnum lantana* 'Mohican'****Mohican Wayfaring Tree**

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 1
Trial Period	98-03	98-02	98-03	98-03	98-03	98-03
Height-Spread		78-153	67-65	138-147	152-177	157-169
Rating		2.5	2.7	4.6	4.7	5
Recommendation	F	S	S	H	H	H

***Viburnum opulus* 'Compactum'****Compact European Cranberry**

**Recommendation:** recommended at Edmonton, Bowden and Brooks, not recommended at Grande Prairie and Calgary, failed at Coaldale. Plants did not set fruit in northern test locations.

**Trial Average:** **Height:** 45 cm **Spread:** 65 cm

**Form:** compact, rounded shrub.

**Features:** dark green leaves, yellow in fall, white flowers in early spring, showy fruit which last throughout winter.

**Culture:** tolerates a wide range of soils, pH adaptable, full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-91	84-91		84-94	84-91	84-91	84-94
Height-Spread	30-48	61-82		28-47		58-87	
Rating	14.9	3.9		3.5		3.8	
Recommendation	N	R		R	N	R	F

***Viburnum opulus* 'Roseum'****European Snowball, Common Snowball Viburnum**

**Recommendation:** recommended at Bowden, Brooks and Calgary, satisfactory at Edmonton and Red Deer, failed at Grande Prairie. Plants have not flowered at the northern locations.

**Trial Average:** **Height:** 131 cm **Spread:** 137 cm

**Form:** upright, rounded shrub.

**Features:** green leaves, yellow in fall, abundant ball shaped flower clusters in early spring, flowers are sterile.

**Culture:** adapts to a wide range of soil types and pH's, moist soils, partial shade or full sun.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	91-97	91-97	92-97	92-97	91-96	91-96	
Height-Spread		172-188	140-161	98-88	115-142	132-106	
Rating		3.0	4.0	3.0	4.0	4.5	
Recommendation	F	S	R	S	R	H	

***Viburnum sargentii* 'Onondaga'****Onondaga Viburnum**

**Recommendation:** Introduced by the USDA. Satisfactory only at all sites except Edmonton where it was not recommended. Edmonton site may have had poor plants because of weed competition. Plants wintered at most sites but plants were slow and unimpressive.

**Trial Average:** **Height:** 0.9 m **Spread:** 0.6 m

**Form:** globe-shaped shrub.

**Features:** velvety maroon leaves maturing to deep green with purple tinge, flowers white with purple hue, fruit red. Good red fall colour.

**Culture:** good for screen or shrub border.

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	00-05	00-05	00-05	00-05	00-05	00-05
Height-Spread	62-38	57-82	108-54	63-70	140-84	117-60
Rating	2.2	1.2	2	2	2.6	2.8
Recommendation	S	N	S	S	S	S

***Viburnum trilobum* 'Alfredo'****Alfredo Compact American Cranberry**

**Recommendation:** recommended at all locations, except growth was only satisfactory at Bowden and not recommended at Calgary. Plants have seldom set fruit at the northern locations.

**Trial Average:** **Height:** 90 cm **Spread:** 100 cm

**Form:** dense, compact, rounded shrub.

**Features:** green leaves, deep red in fall, flat clusters of white flowers, edible, bright red fruit.

**Culture:** prefers moist, well-drained soil, but will tolerate a wide range, excessive water stress causes rapid decline in plant, full sun or partial shade.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-94	84-91	85-94	84-89	84-91	84-91	84-91
Height-Spread	90-107	137-144	74-75	78-84		109-129	71-68
Rating	4.5	4.2	4.1	3.3		4.0	4.2
Recommendation	R	R	r	S	N	R	R

***Viburnum* x 'Emerald Triumph'****Emerald Triumph Viburnum**

**Recommendation:** A hybrid of *V. lantana* x *V. rhytidophyllum*. Introduced by the University of Minnesota Landscape Arboretum. Highly recommended in Edmonton, Calgary, Brooks and Coaldale, recommended in Red Deer, failed at Fairview.

**Trial Average:** **Height:** 1.4 m **Spread:** 1.7 m

**Form:** mid-sized, rounded shrub.

**Features:** glossy deep green leaves.

**Culture:** good contrast mid-sized shrub

**Viburnum x 'Emerald Triumph'****Emerald Triumph Viburnum**

Site	Fairview	Edmonton	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	99-04	99-04	99-04	99-04	99-04	99-04
Height-Spread		142-163	76-95	169-218	165-205	126-169
Rating		4.6	2.9	4.6	5.0	4.2
Recommendation	F	H	R	H	H	H

**Weigela florida 'Centennial'****Centennial Weigela**

**Recommendation:** recommended only at Brooks and Lacombe, growth was satisfactory at all other locations, except Calgary where it is not recommended, needs some pruning to remove winter damaged tips.

**Trial Average:** **Height:** 150 cm **Spread:** 120 cm

**Form:** compact, rounded shrub.

**Features:** dark green leaves, many ruby red flowers in early summer, then sporadically throughout the season.

**Culture:** prefers well-drained soil, but tolerates a wide range, full sun, tolerant of urban conditions.

Site	Grande Prairie	Edmonton	Lacombe	Bowden	Calgary	Brooks	Coaldale 1
Trial Period	84-94	84-94	87-94	84-89	84-91	84-91	84-94
Height-Spread	138-121	147-117	127-89	184-160		136-134	156-111
Rating	3.1	2.6	3.3	2.8		3.9	3
Recommendation	S	S	r	S	N	R	S

**Weigela florida 'Ruby Queen'****Ruby Queen® Weigela**

**Recommendation:** planted in trial in 2005

**Trial Average:** **Height:** - **Spread:** -

**Form:** intermediate rounded shrub

**Features:** reddish burgundy foliage with pink flowers

**Culture:** full sun, use for accent planting.

**Weigela florida 'Rumba'****Rumba Weigela (COPF)**

**Recommendation:** recommended in Edmonton where the plants suffered heavy winter kill in 2001 but enjoyed vigorous regrowth and in Brooks where the trees suffered winter injury with good regrowth resulting in lovely plants. In Calgary, plants survived but suffered winter kill and had few flowers. Not recommended at other locations. Introduced by Agriculture and Agri-Food Canada, Ottawa, ON.

**Trial Average:** **Height:** 60 cm **Spread:** 85 cm

**Form:** fast growing, spreading, compact shrub, suitable for ground cover.

**Features:** nice rounded shrub with green leaves and dark red flowers; profusely blooming in early summer then light bloom into the fall.

**Culture:** Some pruning required to remove dieback in spring

**Weigela florida 'Rumba'****Rumba Weigela (COPF)**

Site	Fairview	Edmonton	Bowden	Red Deer	Calgary	Brooks	Coaldale 2
Trial Period	96	96-01	96-00	96	96-01	96-01	96-01
Height-Spread		67-96	65-104		71-87	70-110	28-25
Rating		4	2		3.8	4	1
Recommendation	N	R	N	F	S	R	N