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Variety Notes on Some
**TREE FRUITS GROWN
IN PRAIRIE ORCHARDS**

by

W. R. LESLIE
Superintendent

DOMINION EXPERIMENTAL STATION
Morden, Man.

EXPERIMENTAL FARMS SERVICE



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Variety Notes on Some Tree Fruits Grown in Prairie Orchards

INTRODUCTION

Home garden orchards are developing across the Canadian Prairies. A considerable proportion of the people planting and tending tree fruits seek information as to the origin and general features of their subjects. Comment is given here on most of the varieties prominent at the present time. Doubtless there are several scores of other named varieties that are producing useful fruits in some localities. The aim of the notes that follow is to assist home-makers in gaining a fuller intimacy with the fruits they cultivate.

The information supplied relates to the origin, the general character of tree, and fruit. Unless otherwise stated, the season of a variety is for those localities with climatic conditions resembling Morden, Manitoba.

Multitudes of additional young seedlings are coming into bearing across the three Prairie Provinces each year. A proportion of them may be expected to win popularity based on their behaviour. In time some will replace varieties that now are well regarded. Each seedling is a new variety, differing much or little from its mother parent in tree and in fruit.

Persons seeking guidance in choice of varieties for their particular district are directed to the nearest Experimental Farm or Station, to the University, or the Provincial Department of Agriculture. Every fruit grower will benefit from joining the Horticultural Society serving his territory.

LIST OF VARIETIES DESCRIBED

Apples

1. Acheson
2. Anis
3. Anisette
4. Anoka
5. Antonovka
6. Atlas
7. Battleford
8. Beacon
9. Beautiful Arcade
10. Blushed Calville
11. Bode
12. Breakey
13. Charlamoff
14. Cortland
15. Crimson Beauty
16. Daniels Red Duchess
17. Delicious
18. Duchess of Oldenburg
19. Dulcet
20. Erickson
21. Fameuse
22. Fireside
23. Galetta
24. Gipsy Girl
25. Godfrey
26. Green Sweet
27. Haralson
28. Hibernial
29. Heyer 12
30. Horace
31. Hume
32. Jethro
33. Joyce
34. Lobo
35. Lowland Raspberry
36. Manan
37. Manbee
38. Manitoba
39. Manitoba Spy
40. Manred
41. Mantet
42. Manton
43. Melba
44. Melvin
45. Mendel
46. Morden Russet
47. Moris
48. Mortof
49. Moscow Pear apple
50. Mount
51. Okabena
52. Ostem
53. Ostrakoff
54. Patricia
55. Patten
56. Pedro
57. Petrel
58. Pine Grove Red
59. Prairie Spy
60. Red Astrachan
61. Redant
62. Rupert
63. Spangelo
64. Stevenson
65. Tetofsky

66. Victory
67. Watts
68. Waukon
69. Wealthy
70. Yellow Transparent

Crabapples

1. Adam
2. Alberta
3. Alexis
4. Almey
5. Amur
6. Anaros
7. Angus
8. Beauty
9. Bedford
10. Calros
11. Columbia
12. Dauphin
13. Dolgo
14. Elkhorn
15. Florence
16. Garnet
17. Geneva
18. Hopa
19. Hyslop
20. Louise
21. Magnus
22. Manito
23. Morden 347
24. Morden 352
25. Olga
26. Osman
27. Piotosh
28. Printosh
29. Redman
30. Red River
31. Rescue
32. Robin
33. Rondo
34. Rosilda
35. Saska
36. Seugog
37. Silvia
38. Sugar
39. Toba
40. Trail
41. Transcendent
42. Virginia
43. Wapella
44. Whitney

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2. Harbin
3. Mendel
4. Minn. #4
5. Parker
6. Pioneer #3
7. Pushkin
8. Tait-Dropmore
9. Tait #1
10. Tait #2
11. Ussurian

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2. Chow
3. Hulan
4. Lalin
5. Manchu
6. Manchurian
7. Mandarin
8. Morden #601
9. Ninguta
10. Robust
11. Sansin
12. Scout
13. Siberian
14. Sing
15. Sino
16. Tola
17. Zun

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2. Assiniboine
3. Belgian Gage
4. Bounty
5. Champa
6. Cheney
7. CKC
8. Compass
9. Convoy
10. Cooper
11. Cree
12. Dandy
13. Dropmore Blue
14. Dura
15. Elliott
16. Ember
17. Emerald
18. Etopa
19. Ezaptan
20. Fiebing
21. Gloucester
22. Grenville
23. Hanska
24. Haralson #4
25. Heaver
26. Hennepin
27. Ivanovka
28. Kaga
29. Kahinta
30. Kota
31. La Crescent
32. Loring Prize
33. Lunn
34. Mammoth
35. Mandarin
36. Manor
37. Mansan
38. McRobert
39. Mina
40. Monitor
41. Mordel
42. Mordena
43. Mount Royal
44. Nicollet
45. Norther
46. Ojibwa
47. Oka

48. Olson
49. Omaha
50. Opata
51. Oziya
52. Pembina
53. Pipestone
54. Prolific
55. Radisson
56. Raynes
57. Redcoat
58. Red Cortland
59. Red Wing
60. Ruby
61. Russian Green Gage
62. Sansoto
63. Sapa
64. Sapalta
65. Stevens
66. Superior

67. Tawena
68. Tecumseh
69. Terry
70. Toka
71. Tokata
72. Tom Thumb
73. Tonka
74. Underwood
75. Valley River
76. Waneta
77. Winnipeg
78. Winona
79. Zumbra

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2. Advance
3. Black Beauty
4. Brooks

5. Mando
6. Manmoor
7. Oahe
8. Sioux

Sour Cherries

1. Bessarabian
2. Coronation
3. Dyehouse
4. Early Richmond
5. Ground (Mongolian)
6. Homer
7. Koslov
8. Montmorency
9. Moscow
10. Shubianka
11. Vladimir
12. Wragg

APPLES

Acheson (Mrs. J. H. Acheson, Edmonton, 1941, seedling of Delicious). Tree hardy and productive at Edmonton. Fruit large, ovate, greenish yellow, flesh fine textured, sub-acid, quality above medium; season mid-August and September.

Anis (Russia). Tree vase-shaped, hardy, productive. Fruit roundish oblate conic, small to medium, pale yellow washed red, flesh fine, juicy, sub-acid, pleasant, quality fair to good; season October to December.

Anisette (Russia). Seems identical with Duchess of Oldenburg.

Anoka (South Dakota 1918, seedling of Mercer wild crab). Tree moderate grower, medium in hardiness, very early bearing. Fruit is of Duchess type but less showy, coarse in texture, rather dry and lacking flavour, season September.

Antonovka (Russia). Tree vigorous, upright, hardy, productive. Fruit large roundish, ribbed, irregular, pale yellow; flesh fine, juicy, spicy, mild; quality fair, good for sauce, season October to December. This variety is prominent on the steppes of Russia.

Atlas (Experimental Farm, Ottawa, 1910, Winter St. Lawrence seedling). Tree moderately vigorous, productive at Morden. Fruit above medium size, roundish, conic, ribbed; pale yellow washed and striped orange red, flesh tender, juicy, pleasant, spicy, sub-acid; quality good; season October to December.

Battleford (Murray Somerville, North Battleford, Sask., 1934, seedling of Russian). Tree very hardy but subject to fire blight. Fruit above medium size; long conic, pale yellow, striped and washed dull red; flesh somewhat coarse, sub-acid, pleasant; quality fair to good; season late August and early September.

Beacon (Minn. 423, 1908, seedling of Malinda). Tree vigorous, hardy. Fruit medium size, round to slightly conic; yellowish heavily washed deep red; flesh yellowish, medium tough, juicy, mild sub-acid; skin thick, tough; quality good; season September and early October.

Beautiful Arcade or *Repka Kislaga* (Russia). Tree vase-shaped, hardy, productive. Fruit medium size; roundish, slightly conic; pale greenish yellow blushed pink; flesh white, sweet; quality fair; season, short, late August to early September.

Blushed Calville (Russia). Tree moderately vigorous, hardy, fruitful. Fruit medium to large; roundish conic, angular; greenish yellow, sometimes with pink blush on sunny side; flesh white, crisp, juicy, tender; quality medium; season late August and lasting about two weeks.

Bode (Russia). Tree upright-spreading, vigorous, hardy, productive. Fruit above medium size; roundish oblate, slightly ribbed; pale yellow sometimes pink blushed; flesh white, tender, juicy, briskly sub-acid, mild flavour, quality fair to good; season September.

Brakey (Experimental Station, Morden, 1935, seedling of Blushed Calville). Tree spreading, vigorous, blossoms extra large, productive. Fruit medium to below medium in size, roundish, amber well washed and striped scarlet and red; flesh whitish, fine textured, melting, juicy, mild, sprightly and spicy; quality good; season September to November.

Charlamoff (Russia). Hardy, vigorous tree. Fruit medium to large, oblong, conical, angular; skin pale yellow, well streaked and splashed with carmine, flesh coarse, sub-acid, pleasant. Season late August.

Cortland (Experiment Station, Geneva, New York, Ben Davis \times McIntosh). Tree moderately hardy, bears early. Fruit resembles McIntosh but is lighter red in skin colour, more oblate and flesh firmer. It is only for most favourable locations.

Crimson Beauty (F. P. Sharp, Woodstock, New Brunswick). Tree medium hardy, spreading, productive. Fruit medium size, roundish; greenish yellow well washed with crimson; flesh yellowish, tender, slightly acid, little flavour; season early August to late August. Sometimes erroneously named Early Red Bird.

Daniels Red Duchess (Minnesota). A bud sport with fruit more generally red in colour.

Delicious (Iowa, 1895). Too tender.

Duchess of Oldenburg (Russia). Tree moderately vigorous, spreading, hardy, productive. Fruit medium size, roundish to oblate; yellow splashed and streaked bright red; flesh white, tender, juicy, acid; quality medium but excellent for cooking; season late August and September.

Dulcet (Experimental Farm, Ottawa, 1911, Langford Beauty seedling). Tree vigorous, upright, productive at Morden. Fruit medium size, roundish, greenish yellow washed crimson; flesh yellowish, tender, juicy, sweet, quality good, season mid-September to November.

Erickson (John and Charles Erickson, Aitkin, Minn., 1910, from seeds distributed by Minnesota Horticultural Society). Tree vigorous, upright-spreading hardy, productive, but has suffered somewhat from fire blight at Morden. Fruit large to very large, roundish-conic, ribbed; pale greenish yellow, striped and washed bright red and carrying heavy bluish bloom; flesh white, somewhat coarse, juicy, mild sub-acid, quality fair to good; season September and October. Of the Duchess type but rougher fruit.

Fameuse, or Snow (Eastern Canada from French seeds). Too tender.

Fireside (Minnesota Fruit Breeding Farm, 1943, released in 1927 as Minn. 993, a cross-bred apple, record of parentage uncertain). Tree vigorous, round-topped, less susceptible than Wealthy to fire blight. Fruit large, roundish conic, bright medium red, lightly striped with darker red; skin medium; flesh yellowish, medium coarse, medium tender and juicy; flavour mild sub-acid, very rich and pleasant; quality unexcelled for dessert purposes; season November to April. Trees thriving at Morden until some killing occurred in autumn freeze of 1942.

Galleta (Experimental Farm, Ottawa, 1906, seedling of Wealthy). Tree hardy, productive. Fruit medium, roundish oblate, pale yellow blushed red on sunny side; flesh white, crisp, tender juicy, sub-acid, pleasant; quality good for dessert; season late August and early September.

Gipsy Girl; also known at Titovka (Russia). A very large apple, splashed with red. Discarded, owing to heavy susceptibility to fire blight disease.

Godfrey (Experimental Station, Morden, 1931, seedling of Patten). Tree upright, spreading, vigorous, productive. Fruit medium size, round ovate; pale yellow washed bright red, striped red; bloom waxy; skin medium thick; flesh whitish, crisp, fine-textured, juicy, sprightly, aromatic, pleasant; quality good; season October to February.

Green Sweet (Russia). Tree vigorous, spreading, hardy, productive. Fruit medium, roundish conic, greenish yellow, flesh greenish white, juicy, sweetly acid, quality fair for cooking; season September. Apparently, there is a late variety of the same name grown in the eastern States.

Haralson (Minn. No. 90, 1918, seedling of Malinda). Tree vigorous, pyramidal, very hardy, with wide-angled crotches, productive annually. Fruit about size of Wealthy but deeper; ripens in October, greenish yellow heavily overlaid with dull red stripes and splashing; flesh white, firm, fine-grained, juicy, mild, sub-acid; quality good in late winter, excellent for cooking; season January to May. Fruit is suggestive of Stayman Winesap. Fruit requires thinning in June.

Hibernal (Russia). Tree vigorous, spreading, open growth, productive. Fruit large, oblate-conic, greenish yellow washed and striped with purplish red, skin russeted around the stem cavity, flesh yellow, crisp, juicy, acid; quality good for cooking; season September to November.

Heyer No. 12 (A. Heyer, Neville, Saskatchewan, seedling of Russian apple). Tree very hardy, productive. Fruit $2\frac{1}{2}$ inches, amber colour, flesh somewhat coarse, juicy, acid; quality fair; season mid-August to September. This small apple has been succeeding widely and is as reliable as many crab apples.

Horace (Experimental Farm, Ottawa, 1908, Langford Beauty seedling). Tree moderate grower. Fruit suggestive of Fameuse; quality good for dessert; season September and October.

Hume (Experimental Farm, Ottawa, 1916, seedling of McIntosh). Tree hardier than McIntosh. Fruit medium size, roundish oblate slightly ribbed, yellow well washed dark crimson; flesh yellowish white, crisp, juicy, quality good, season October to November.

Jethro (Experimental Farm, Ottawa, 1911, Wealthy seedling). Tree vigorous, hardy and productive at Morden. Fruit more conic than Wealthy, but resembles it. Season late September to December.

Joyce (Experimental Farm, Ottawa, 1911, seedling of McIntosh). Tree spreading, productive at Morden. Fruit medium size, roundish oblate, ribbed; skin yellow washed crimson, thick, tender; flesh dull white, tender, juicy, melting, sub-acid, aromatic; quality very good; season September and October.

Lobo (Experimental Farm, Ottawa, 1906, seedling of McIntosh). Tree vigorous, hardy and productive at Morden. Fruit resembles McIntosh but is a fortnight earlier, darker red, and less aromatic.

Lowland Raspberry (Russia). Tree medium hardy, moderate bearer. Fruit roundish, conic, angular, pale yellow washed with bright red; flesh white, crisp, juicy, soft, tender, sub-acid; good quality; season late August and early September.

Manan (Experimental Station, Morden, 1930, seedling of Antonovka). Tree upright-spreading, vigorous, hardier than most standard apple trees, productive. Fruit medium to large, round conic, resembling Northern Spy in appearance; greenish yellow washed and striped deep red; flesh whitish, crisp, fine grained, juicy, somewhat tart, slightly acid; quality fair, good for cooking; season October to January.

Manbee (Experimental Station, Morden, 1936, a chance seedling in a crab apple hedge row). Tree spreading, vigorous, hardy, productive. Fruit 2 by $2\frac{3}{8}$ inches, oblate, irregular; yellow washed and striped bright red; flesh white, fine, crisp, sweet, sub-acid; quality fair to good; season mid-August to September. Of promise as a small apple or large crab apple for Northern territories.

Manitoba (Experimental Station, Morden, 1931, seedling of Duchess of Oldenburg). Tree roundish, vigorous, less hardy than most Morden Station introductions, productive at Morden. Fruit medium size, roundish oblate; yellow with a scarlet blushed cheek; flesh whitish, fine-textured, crisp, melting, juicy, spicy, sub-acid; quality very good; season November through February.

Manitoba Spy (Experimental Station, Morden, 1931, seedling of Patten). Tree upright-spreading, vigorous, productive. Fruit large to very large, resembles

Northern Spy in shape and colour, somewhat ribbed; flesh greenish amber, somewhat coarse-grained, tender, juicy, mild acid to sub-acid; quality good for eating and cooking; season November to February.

Manred (Experimental Station, Morden, 1930, seedling of Anisim). Tree spreading, moderate grower, hardy, productive. Fruit small to medium, roundish, yellow well covered with bright red, surfaced with grey bloom; skin thin; flesh whitish with sometimes red streaks, fine-grained, sub-acid; quality fair to good; season October through November.

Mantet (Experimental Station, Morden, 1929, seedling of Tetofsky). Tree upright, moderately vigorous, hardy, productive. Fruit medium to below medium in size, roundish, amber heavily washed and striped with bright red; flesh whitish, fine grained, tender, juicy, aromatic; quality excellent; season late August and September. Has fruited in Swan River and Peace River Valleys. This promises to be a popular eating apple in early season. One of the finest.

Manton (Experimental Station, Morden, 1929, seedling of Antonovka). Tree upright, spreading, vigorous, productive. Fruit medium to large, oblate, irregular; $3\frac{1}{2}$ by $2\frac{3}{4}$ inches, greenish amber heavily washed carmine, some stripes, russet about the stem cavity; flesh creamy white, close and fine grained, crisp, very juicy, sub-acid; quality medium to good; season January to May. A late winter apple.

Melba (Experimental Farm, Ottawa, 1908, seedling of McIntosh). Tree vigorous, spreading, considerably hardier than McIntosh. Fruit medium size, roundish conic, ribbed; pale waxy yellow washed with carmine and crimson, carrying light bluish bloom; skin tender, perfumed; flesh white, crisp, tender, juicy, sub-acid, sprightly, aromatic; quality very good. Season late August to early October.

Melvin (Experimental Farm, Ottawa, 1905, seedling of Wealthy). Tree spreading, productive at Morden. Fruit medium size, round oblate; yellow well washed light red; flesh whitish, crisp, juicy, sprightly, pleasing; quality good; season late September to November.

Mendel (Experimental Farm, Ottawa, 1906, seedling of Wealthy). Tree of Duchess habit, vigorous, hardy at Morden. Fruit medium to large; roundish; yellow well washed with bright red; flesh dull white, crisp, juicy, sub-acid; quality good; season November to February.

Morden Russet (Experimental Station, Morden, 1935, seedling of Anisim). Tree upright, spreading, moderately vigorous, productive. Fruit small to medium, round, golden brown, heavily russeted; flesh amber yellow, close, fine grained, sub-acid, suggestive of Golden Russet; quality fair to good; season October to January.

Moris (Experimental Station, Morden, 1930, seedling of Anis). Tree spreading, moderately vigorous, one of the hardiest standard apples, productive. Fruit medium size, 2-10/16 by 1-15/16 inches, yellow heavily blushed red, many bright red stripes; skin thin, tough, greasy; flesh amber white, smooth tender, very juicy, pleasantly tart; quality medium; season November through January.

Mortof (Experimental Station, Morden, 1929, seedling of Tetofsky). Tree upstanding, vigorous, hardier than its sister Mantet, productive. Fruit medium to below medium in size, greenish yellow washed red and sparingly striped; skin lightly waxed; flesh whitish, fine-grained; melting, juicy, pleasant sub-acid quality medium to good; season September to December.

Moscow Pear Apple (Russia). Tree upright, vigorous, hardy, healthy, annually productive. Fruit medium size, roundish conic, pale yellow, flesh white, tender, juicy, sub-acid, pleasant; quality medium to good, being superior to Blushed Calville; season late August and September.

Mount (Experimental Station, Morden, 1937, seedling of Antonovka). Tree upright, spreading, vigorous, one of the hardier standard apples, productive. Fruit large, often $3\frac{1}{2}$ inches in diameter, round oblate to ovate, pale yellow washed scarlet with red stripes; skin thin, tough; flesh white, crisp, juicy, tart, core large; quality fair, good for cooking; season November through January.

Okabena (Minnesota, 1871, seedling of Oldenburg). Tree hardy, spreading. Fruit small to medium, roundish-oblate, skin thick, tough, light yellow streaked and splashed with crimson; flesh creamy white, crisp, quality medium; season late September early October.

Ostem (Experimental Station, Morden, 1936, seedling of Ostrakoff). Tree upright, vigorous, productive. Fruit large, ovate, suggestive of Stayman Winesap in shape; colour greenish yellow washed red with indistinct stripes; stem long slender; skin medium tender; flesh greenish white, tender, juicy, sprightly, spicy, pleasant; quality good; season December to March.

Ostrakoff (Russia) Tree upright, hardy, productive. Fruit medium size, roundish, stem thin, skin thick, pale yellow, lightly blushed carmines; flesh dull white, firm, sub-acid; quality medium; season October to December.

Patten (C. G. Patten, Iowa, 1885, a seedling of Oldenburg). Tree vigorous, spreading, hardy, productive. Fruit large, round-oblate; skin thin, tough, pale yellow blushed scarlet; flesh white with yellow tint, firm, coarse, acid; quality good for cooking; season October to December. Sometimes called Patten Greening.

Patricia (Experimental Farm, Ottawa, 1914, seedling of McIntosh). Tree much harder than McIntosh. Fruit resembles McIntosh but is smaller, pale yellow well washed bright crimson, flesh yellowish with traces of red, fine grained, juicy, tender, sub-acid; quality excellent; season October to December. Should be thinned to obtain size of fruit.

Pedro (Experimental Farm, Ottawa, 1911, seedling of McIntosh). Tree vigorous, spreading, harder than McIntosh. Fruit above medium, oblate conic, greenish yellow mostly washed crimson; skin thin, tough; flesh dull white, crisp, tender, melting, juicy, briskly sub-acid, McIntosh-like; quality good; season September and October.

Petrel (Experimental Farm, Ottawa, 1907, seedling of Shiawassee). Tree moderately hardy. Fruit above medium size, roundish; pale yellow washed carmine; skin thick, tender; flesh white, tender, pleasant, sub-acid; quality very good; season September.

Pine Grove Red (A. P. Stevenson, Morden, seedling of Duchess, prior to 1920). Tree vigorous, about as hardy as Hibernial, somewhat subject to blight. Fruit medium size, conic, yellow, heavily washed and striped with two shades of red; flesh greenish, firm, fine, mild, sprightly; quality medium; season late September to December.

Prairie Spy (Minnesota No. 1007, a seedling apple of uncertain parentage, 1923). Tree spreading, vigorous, hardy and productive at Morden. Fruit ripens about mid-October, medium to large, shape resembles Northern Spy, yellow heavily covered attractive bright red washing and stripes; flesh creamy white, crisp, juicy, sprightly sub-acid, aromatic; quality excellent; season November to April.

Red Astrachan (Sweden). Tree medium hardy, upright, light cropper. Fruit roundish, pale green covered with crimson, flesh white, crisp acid, season early August. Not recommended.

Redant (Experimental Station, Morden, 1936, seedling of Antonovka). Tree upright, spreading, vigorous, productive. Fruit large, deep, roundish, deep yellow washed bright to dull red, with some indefinite striping; stem short; skin medium; flesh creamy white, fine grained, somewhat soft, melting, mild, sweet; quality good, season October through January.

Rupert (Experimental Farm, Ottawa, 1897, seedling of Russian apple). Resembles Yellow Transparent in many respects, but somewhat hardier and better in quality, season mid-August.

Spangelo (Experimental Station, Morden, 1930, seedling of Crusoe). Tree upright, strong growing, healthy, productive. Fruit large, ovate, pale green heavily washed bright red; skin thin, toughish; flesh whitish, smooth, juicy, sweetish, sub-acid; quality good; season September through November.

Stevenson (Experimental Station, Morden, 1931, seedling of Patten). Tree upright-spreading, strong grower, strong crotches, healthy, productive. Fruit large, round ovate, irregular, green washed maroon, striped dark red; stem short; skin thick, tough; flesh creamy amber, medium coarse, firm, crisp, juicy, sweetish sprightly, spicy; quality medium, good for cooking; season December through March. A durable winter apple.

Tetofsky (Russia). An early greenish yellow apple. Has blighted heavily.

Victory (Minnesota Fruit Breeding Farm, 1943, formerly released as Minn. 396, probably from a McIntosh mother). Tree is spreading, vigorous and productive. Fruit is medium to large, round oblate, bright red, medium waxy bloom; flesh white, fine-grained, tender, juicy, aromatic; flavour similar to McIntosh but slightly more acid; quality excellent for both dessert and cooking; season October 15 to mid-March. Hardiness for Manitoba conditions is yet to be determined but indications are that it is more adapted than McIntosh. Unfortunately, it is susceptible to fire blight injury.

Watts (Experimental Station, Morden, 1931, seedling of Patten). Tree spreading, vigorous, moderately productive. Fruit large, roundish, irregular, slightly ribbed, greenish yellow, blushed red with short stripes; stem long slender; skin thick; flesh greenish white, somewhat coarse grained, crisp, juicy, sweet; quality medium, good for baking; season November to February.

Waukon (C. H. Sykes, Moorhead, Minn.) Of wealthy type but evidently hardier and a more vigorous tree in the Red River Valley. It seems to tolerate heavy clay soil better than most standard apples.

Wealthy (Peter M. Gideon, Excelsior, Minn., 1869, from seed of Cherry crab). Tree moderately vigorous, roundish habit, productive at Morden, particularly in alternate years. Fruit medium to large, roundish conic; skin greenish yellow blushed and striped with bright red; flesh white, fine, crisp, tender, juicy, agreeable sub-acid, aromatic, quality good; season October to January.

Yellow Transparent (Russia). Tree a moderate grower with bark that tends to sunscald, hence usually short-lived on the northern prairies. Fruit medium large, roundish, pale yellow; flesh white, crisp, juicy, sprightly sub-acid; quality good; season early August.

CRABAPPLES

Adam (W. J. Boughen, Valley River, Manitoba, seedling of Siberian crab). Tree upright, spreading, moderate grower, extra hardy, productive. Fruit roundish, small to medium; pale yellow striped and washed red; flesh crisp, juicy, acid, slightly astringent; quality fair to good; season September.

Alberta (Experimental Farm Ottawa, 1910, *Malus baccata* × Haas). Tree strong grower, productive, resistant to fire blight. Fruit 1.6 inches across, 1.4 inches deep, round, slightly ribbed; greenish yellow with red cheek; flesh white, juicy, somewhat astringent; quality fair; season late September to mid-October.

Alexis. Same origin as Dolgo and almost identical in tree and fruit characters.

Almey (A Rosybloom crabapple, second-generation, *Malus baccata* × *Malus Niedzwetzkyana*, introduced at Dominion Experimental Station, Morden, 1945, named in honor of J. R. Almey, Horticulturist of the Canadian Pacific Railway Company, Winnipeg, who rated it most highly as an ornamental lawn tree).

Tree upright, vigorous, healthy, hardy. Flowers are a commanding bright red. The individual flower, opening from a carmine bud, is large, slightly concave, a glistening red except at the base of each petal, which is white, forming a five-sided star. Intensity of bloom colour retained well. Fruits are small, oval, maroon, and persist into the winter season.

Amur (South Dakota Experiment Station, 1912, seedling of Cherry crab). Tree upright, moderate grower, very hardy, productive. Fruit small, 1 by 1½ inches, roundish oblate, pink mostly covered dark red with light bluish bloom; skin thin, tough; flesh whitish tinged red, firm, juicy, sprightly, acid; quality good for jelly, rather small for canning; season mid-September.

Anaros (Experimental Station, Rosthern, Saskatchewan, seedling of Antonovka). Tree vigorous, spreading, very hardy. Fruit round oblate, 1½ inches, yellow washed crimson; flesh yellow, crisp, acid but pleasant; quality good; season late September.

Angus (Experimental Farm Ottawa, 1913, Dean×Ontario). Tree vigorous, productive at Morden. Fruit to 2¾ inches, oblate roundish, pale yellow washed dull crimson, flesh yellow, crisp, tender, juicy, sub-acid, sprightly; quality fair; season September to early November.

Beauty (South Dakota, 1919, seedling of Cherry crab). Tree spreading, vigorous, hardy, strong crotched, very productive. Fruit round oblate, small, dark yellow almost covered with bright red washing and stripes; flesh white, crisp, very juicy, acid; quality fair to good but fruit is small; season September to December. The tree seems of much value for topworking.

Bedford (Experimental Farm, Brandon, seedling of Cluster). Tree moderately vigorous, spreading, very hardy, healthy, strongly crotched, productive. Fruit round oblate, size to 1¾ inches; yellow heavily washed dull red; skin thin, waxy; flesh yellow, firm, crisp, juicy, briskly sub-acid; quality fair; season mid-September and October. Valuable for topworking.

Calros (Experimental Station, Rosthern, Saskatchewan, seedling of Blushed Calville). Tree vigorous, upright, productive, very hardy but has blighted severely at Morden. Fruit round conic, 1¼ inches, yellow heavily covered crimson; flesh yellow, acid; quality fair; season September and October.

Columbia (Experimental Farm, Ottawa, 1910, Siberian crap×Broad Green). Tree strong grower, extra hardy, comparatively free from fire blight. Fruit to 1½ inches, conic, ribbed pale green well washed red, some stripes of dark red; flesh yellowish, juicy, sub-acid, slightly astringent; quality fair; season late September and October. Columbia seedlings are vigorous, even, and valuable as root stocks.

Dauphin (W. J. Boughen, Valley River, Manitoba, crab seedling). Tree very hardy, productive at early age. Fruit roundish conic, 1¼ inches by 1½, dark yellow striped and splashed dull red, flesh yellow, melting, sub-acid, mild flavour; season early September.

Dolgo (Experiment Station, Brookings, South Dakota, 1917, from Russia 1897). Tree vigorous, upright, productive. Fruit small, long rounding conic, pointed, yellow heavily washed scarlet; flesh yellow, crisp, juicy, acid, somewhat astringent; quality excellent for jelly; season late August and early September.

Elkhorn (Experimental Farm, Ottawa, 1913, Jewell×Gideon). Tree very rapid grower, round headed, productive, healthy, very hardy for a Saunders second-cross apple. Fruit to 2¼ inches, round-oblate, yellow, mostly covered with crimson; stem long, slender; skin thin, tender; flesh yellowish, crisp, juicy; core large; flavour acid but not astringent, pleasant; quality medium; season late September to December.

Florence (Peter M. Gideon, Excelsior, Minnesota, about 1885). Tree spreading, moderate grower, healthy, hardy, heavy annual bearer. Fruit medium size,

oblate, skin thin, tough, yellowish white overspread with bright pinkish red; flesh yellow with red markings, crisp, juicy, briskly sub-acid, core small; quality medium to good; season late August to mid-September.

Garnet (W. J. Boughen, Valley River, Manitoba, Yellow Siberian crab seedling). Tree upright, strongly crotched, hardy, useful for topworking. Fruit medium size, red, useful for jelly, season early October.

Geneva (Experimental Farm, Ottawa, sister of Scugog). Tree upright spreading, growing well at Morden, but considered less hardy than many of its sisters. Flowers large, deep colour. Fruit $2\frac{1}{2}$ by 2 inches, carmine and oxblood red, large, and useful for jelly making; season early September.

Hopa (South Dakota, 1920, *Malus Niedzwetzkyana* × *Malus baccata*). Tree of small size, spreading, thin branches, very floriferous with crimson blossoms, productive. Fruit suggests a very large Dolgo, long oval-ovate, $1\frac{3}{4}$ × $1\frac{9}{16}$ inches, rich in pectin, of some use for jelly but valued chiefly as a showy lawn tree and as a source of virile pollen.

Hyslop (origin unknown, planted for about 100 years). Tree upright-spreading, moderately vigorous but only a light bearer at Morden. Fruit medium large; yellow washed with deep crimson and carrying thick blue bloom; flesh yellow, firm, sub-acid, astringent, good for cooking; season late September and October.

Louise (Experimental Farm, Ottawa, sister of Scugog). Fruit fairly large; red and green, juicy, sour and hard, makes good apple sauce.

Magnus (Experimental Farm, Ottawa, 1910, *Malus prunifolia* × *Simbirsk* No. 9). Tree vigorous, very hardy, productive. Fruit to $1\frac{1}{2}$ inches, roundish; pale yellow washed scarlet; flesh firm, sub-acid, aromatic, slightly astringent; quality good; season late September, early October.

Manito (Experimental Farm, Ottawa, seedling of *Malus Niedzwetzkyana*). Tree roundish, small, leaves large, hardy and productive at Morden. Flowers purplish red. Fruit large $2\frac{5}{8}$ by $2\frac{1}{4}$ inches, roundish, irregular; bordeaux to olive lake in colour; flesh reddish, coarse; quality fair; season early September.

Morden 347 (*Martha* × *Dolgo*, given this re-test number by Dominion Experimental Station, Morden, 1941). Tree upright, hardy, healthy, moderately productive. Fruit suggests a very large Dolgo, long oval-ovate $1\frac{3}{4}$ × $1\frac{9}{16}$ inches, colour yellow, usually completely washed with light scarlet; skin thin; flesh orange-yellow, firm, crisp, juicy, sprightly. Quality good as dessert, very good canned, orange pink, tending to retain shape. Season late August.

Morden 352 (*Dolgo* × *Haralson*, given re-test number at Dominion Experimental Station, Morden, 1945). Tree upright, round-headed, moderately vigorous, healthy, apparently very hardy, branches strongly crotched, heavily productive. Fruit oblong oblate, large $1\frac{3}{4}$ × $1\frac{1}{2}$ inches, creamy yellow completely washed dark red to crimson, covered with medium bluish bloom; stem long, slender; core medium; flesh white tinged red, firm, crisp, very juicy; flavour crabby but sweet, sprightly; quality fair to good for dessert, particularly in winter; excellent when canned, rosy pink with bright red juice, shape retained. Season early September to March.

Olga (Experimental Station, Brookings, South Dakota, 1919; *Duchess* of Oldenburg × *Cherry* crab). Tree moderate grower, spreading, strongly crotched, hardy, very productive. Fruit 1 by $1\frac{3}{8}$ inches, oblate; dark yellow mostly covered bright red and overlaid with bluish bloom; flesh yellow, fine, crisp, acid; quality fair to good; season early September to October.

Osman (Experimental Farm, Ottawa, 1910, *Siberian* crab × *Osimoë*). Tree moderate grower, extra hardy, productive. Fruit $1\frac{7}{16}$ by $1\frac{3}{16}$ inches, roundish oblate, irregular; pale yellow washed crimson; skin medium, tending to split into checks in some seasons; flesh yellow, crisp, tender, acid and slightly astringent; quality fair; season late August.

Piotosh (Experimental Farm, Ottawa, 1915, Pioneer×McIntosh). Tree vigorous and productive. Fruit to $1\frac{7}{8}$ inches, roundish; yellow heavily washed bright crimson; skin thin, tender; flesh yellow, red tinged near skin, crisp, breaking, juicy, sub-acid, pleasant, not astringent; quality good; season October and November.

Printosh (Experimental Farm, Ottawa, 1914, Prince×McIntosh). Tree vigorous, hardier than Rosilda. Fruit to 2 inches, roundish to oblate, calyx dehiscent, colour pale yellow blushed pinkish red; skin thick; flesh white, crisp, juicy, sub-acid, pleasant; quality fairly good; season September and October.

Redman (Experimental Farm, Ottawa, 1918, Prince × McIntosh). Tree moderately vigorous, spreading, productive. Fruit to $2\frac{1}{4}$ inches; oblate roundish; cavity russeted, sometimes lipped; yellow heavily washed dark crimson, light bluish bloom; flesh tinged red, firm, fine, juicy, sub-acid; quality good; season September and October.

Red River (Experimental Station, Fargo, North Dakota; Dolgo × Delicious). Tree upright-spreading, moderate grower, hardy at Morden. Fruit large for crab, roundish, oblong, irregular; yellow mostly covered bright to dull red; ripens in October; flesh yellow, mildly acid, lightly astringent; rather flat in flavour; quality fair to good; season October to February.

Rescue (Experimental Station, Scott, Saskatchewan; seedling of Blushed Calville). Tree moderate grower and bearer, very hardy. Fruit slightly over $1\frac{1}{2}$ inches, round ovate, greenish yellow washed and striped dull red; flesh yellowish white, firm, sweet sub-acid, free from astringency; quality good; season late August.

Robin (Experimental Farm, Ottawa, 1910; Siberian crab × Simbirsk No. 9). Tree moderate grower, very hardy, fairly productive. Fruit $1\frac{1}{2}$ inches, round, deeply and evenly ribbed, yellow blushed red; flesh firm, juicy, sub-acid, slightly astringent; pleasant quality, good for canning; season late August and September.

Rondo (Experimental Farm, Ottawa, 1911, seedling of Salome). Tree hardy at Morden. Fruit $1\frac{3}{4}$ x $2\frac{1}{8}$ inches, oblate roundish; yellow, often completely covered with bright red and overlaid with thin bluish bloom; skin thick, tough; flesh deep yellow, firm, crisp, briskly sub-acid, slightly astringent; quality fair. Season December to March. Useful for Christmas decorations.

Rosilda (Experimental Farm, Ottawa, 1915, Prince × McIntosh). Tree vigorous, upright. Fruit to $2\frac{1}{4}$ inches, long, roundish; cavity russeted, often lipped; pale yellow nearly covered bright crimson; light pinkish bloom; skin tender; flesh yellowish tinged red, firm, crisp, juicy, briskly sub-acid, perfumed; quality good, and excellent for canning. Season early September. Somewhat susceptible to fire blight.

Saska (Dr. Seager Wheeler, Rosthern, Sask., chance seedling). Tree upright, spreading, productive, fully hardy at Rosthern, Sask. Fruit about $1\frac{1}{2}$ inches in diameter; well covered with bright red; cans well. Season early September.

Scugog (Experimental Farm, Ottawa, seedling of *Malus Niedzwetzkyana*). Tree upright, small, alternate bearer, has suffered somewhat from fire blight at Morden. Flowers are amaranth purple. Fruit $1\frac{5}{8}$ x $1\frac{1}{4}$ inches, bordeaux colour with some portion paler; flesh fine, red; quality good, makes red juice and excellent deep red jelly. Season early September.

Silvia (Experimental Farm, Ottawa, 1910, Siberian Crab × Yellow Transparent). Tree fairly vigorous, upright, hardy, productive. Fruit $1\frac{1}{2}$ inches deep, ovate, pointed, ribbed, pale yellow; flesh juicy, sub-acid, pleasant; quality good. Season a few days in early August.

Sugar (South Dakota Experimental Station, 1919, seedling of Antonovka). Tree upright, hardy, productive. Fruit round oblate, somewhat conic, size to 2 inches, yellow with bronze blush; flesh close, sweetish; quality fair to good for sauce. Season September and October.

Toba (An Apple Crab, Rosilda \times Angus, introduced 1936 by the Dominion Experimental Station, Morden). Tree upright, spreading, vigorous, healthy, fully hardy at Morden. Fruit large for a crab, $1\frac{1}{4}$ inches, long ovate, flattened at apex, colour yellow, all or nearly all covered with rich red, overlaid with heavy waxy bloom, flesh crisp, tender, juicy, aromatic, sprightly, core medium small; quality fair, to good, good for canning and jelly, very good quartered for pies. Season early September.

Trail (Experimental Farm, Ottawa, 1911, Northern Queen \times Rideau). Tree hardy, productive, roundish. Fruit to $1\frac{1}{8}$ inches, oblate, roundish, pale yellow washed and striped orange red; flesh yellowish, firm, crisp, breaking, very juicy, sweetly sub-acid; sprightly, free of astringency; quality very good as dessert, excellent for cooking. Season late August to mid-October.

Transcendent (Origin unknown, planted since 1844). Tree vigorous, spreading, drooping branches, large leaves, productive where free of fire blight. Fruit medium large, roundish, ribbed, bright yellow blushed orange red, sometimes carrying thin bloom; flesh deep yellow, firm, crisp, juicy, briskly sub-acid, slightly astringent; quality good for cooking. Season September. *Not* recommended for prairie gardens owing to its intense susceptibility to fire blight disease, and the danger of transmitting the disease to other varieties.

Virginia (N. K. Fluke, Davenport, Iowa). Tree vigorous grower, relatively hardy and productive at Morden, unless infected with blight, from which it may suffer heavily. Fruit medium size, roundish, flattened; yellow washed thinly with red; flesh juicy acid. Quality fair for canning. Season September to November.

Wapella (Experimental Farm, Ottawa, 1912, Dean \times Ontario). Tree hardy but subject to fire blight on the prairies. Fruit to $2\frac{1}{2}$ inches, oblong conic, deeply ribbed; russeted cavity; pale yellow blushed crimson; flesh yellowish, firm, crisp, breaking, juicy, briskly sub-acid, sprightly, pleasant; quality good. Season November to March.

Whitney (A. R. Whitney, Franklin Grove, Illinois). Tree upright habit, slow grower, moderately productive but short-lived in Manitoba. Fruit very large for a crab; round ovate; yellow washed and striped with deep red; flesh yellowish, crisp; juicy; quality good; season late August and early September.

PLUMS AND PLUM HYBRIDS

Aitkin (Found growing in woods in Aitkin County, Minnesota, 1896). Tree spreading, vigorous, productive. Fruit large, oval; deep red; skin thin; flesh yellow juicy, sweetish; quality fair; season about mid-August. Dependable in Saskatchewan.

Assiniboine (South Dakota Experiment Station, 1908. Seedling of wild plum from Thomas Frankland, Stonewall, Man.). Tree upright, very hardy, productive. Fruit large on young trees, oval, light red; skin thin, tender; flesh yellow, juicy, tender; quality good for canning; season first of September.

Belgian Gage (Alidor Andries, Deloraine, Manitoba, grew it from seed of *Prunus domestica* secured in Belgium. He claims this variety to be fixed in genetic constitution, coming true to the mother parent from seed). Tree spreading, not hardy in upper fruit bud but fruiting regularly on lower branches with Mr. Andries in the Turtle Mountains. Fruit round, $1\frac{1}{4}$ inches, dark yellow with heavy white waxy bloom, durable; skin tender; flesh yellow, firm, fine, perfumed, spicy flavour, exceedingly sweet; quality very good. Season early September.

Bounty (Experimental Station, Morden, 1939, seedling of Assiniboine, released in 1933 as Morden 105). Tree upright-spreading, vigorous, very hardy, annually productive. Fruit medium to large, $1\frac{1}{4}$ to $1\frac{3}{8}$ inches; roundish oblong but somewhat wedge shaped; dark red with light waxy bloom and numerous dots; skin thin and slightly bitter; flesh orange yellow, tender, juicy, sweet; quality fair for dessert, good for canning, season third week of August. The Assiniboine seed from whence came *Bounty*, *Mordel* and *Norther* was donated by the Minnesota State Fruit Breeding Farm in 1922.

Champa (South Dakota Experiment Station, 1912, seedling of Sioux). Bush upright, larger than the common sand cherry, hardy, productive. Fruit small, oval, dark purple; skin medium; flesh green, juicy; quality fair; season early September.

Cheney (from the woods of Wisconsin). Tree upright, thrifty, productive, hardy. Fruit medium; oblate uneven; deep red; flesh yellow juicy; quality above medium for canning; season second week of September.

CKC (Dr. Seager Wheeler, Rosthern, 1933, a chance seedling). Tree upright-spreading, very hardy, productive. Fruit medium large, oval, red; flesh yellow, juicy; quality good cooker; season late August.

Compass (H. Knudson, Springfield, Minnesota, 1896, Sand cherry \times Miner plum). Tree vase-shaped, vigorous, slender branches, productive. Fruit small, oval, dark purple red when mellow; flesh yellowish, juicy, sweet but somewhat astringent; quality good for canning, excellent for jelly; season first half of September.

Convoy (W. J. Boughen, Valley River, Manitoba, 1941, seedling of a sand cherry hybrid). Tree upright with narrow head and many thin branches, vigorous, hardy, productive. Fruit about the length of *Compass* but thicker; bright red; flesh yellow, juicy; quality good for canning; season early September.

Cooper (North Dakota Experiment Station, seedling of *Compass*). Tree of *Compass* type but probably hardier. Fruit larger, meatier and of superior quality to *Compass*, but a few days later in ripening.

Cree (South Dakota Experiment Station, 1917, Manitoba Wild Plum \times Combination). Tree spreading, vigorous, very hardy, productive. Fruit medium size, oval, bright red; skin thick, tough; flesh yellow, juicy; quality poor due to thick, very tough skin. Season late August.

Dandy (W. J. Boughen, Valley River, Manitoba, seedling of Assiniboine). Tree spreading, medium size, very hardy, very productive. Fruit medium size, small when over-bearing, oval; yellow dotted and blushed bright red; skin thin, tender; flesh yellow, juicy, mild; quality good for canning; season late August. Should be thinned in June to maintain size of fruit.

Dropmore Blue (F. L. Skinner, Dropmore, Manitoba, plum seedling). Tree spreading, vigorous, hardy, productive. Fruit to $1\frac{3}{4}$ inches, oval; dark red with bluish bloom; flesh yellow, juicy, sweet with a little astringency; quality good for canning; season first and second week of September.

Dura (Experimental Station, Morden, Man., 1942, seedling of *Sapa*, released in 1940 as Morden 116). Bush low spreading, hardy, productive, does well topworked on plum. Fruit somewhat larger than *Sapa*, long round oblate; dull green blotched purple; skin thin, tender; flesh meaty, red, juicy, sweet, pleasant; quality good, excellent for canning; season late August to October. This fruit is very durable, remaining in good condition on the bush for more than a month.

Elliott (Minnesota Fruit Breeding Farm, *Prunus salicina* \times select native, first released as Minn. No. 8). Tree hardy but fruit ripens late and is less pleasing than *Ember* and *Winona* at Morden.

Ember (Minnesota Fruit Breeding Farm, 1936, Shiro × South Dakota 33, formerly released as Minn. 83). Tree spreading, hardy, productive. Fruit large, ovate, to roundish conic; yellow mostly covered with bright red blush, light bloom; skin medium; flesh deep yellow, firm, meaty, tender, juicy, sweet, pleasant; quality very good; ripe mid-September at Morden.

Emerald (Theodore Williams, Benson, Nebraska, Brittlewood × Burbank 1900). Tree spreading, hardy, productive. Fruit medium size, roundish; yellow mottled and washed bright red with light blue bloom; flesh firm, tender, juicy, sweet; quality very good; season third week of September.

Etopa (South Dakota Experiment Station, 1908, Sand cherry × Sultan). Tree more vigorous than its sister Sapa. Fruit is larger, sweeter, and later than Sapa.

Ezaptan (South Dakota Experiment Station, 1911, Sand cherry × Sultan). A sister of Sapa and resembling it but considered somewhat hardier and more vigorous in bush but smaller in the fruit and somewhat lower in quality.

Fiebing (Charles Haralson, Minnesota, Kaga × Wickson). Tree spreading, vigorous, productive. Fruit large, roundish, irregular; dark red, suture prominent; skin thick; flesh yellow, firm, fine, juicy, sweet, aromatic; quality very good; season early September.

Gloucester (Experimental Farm, Ottawa, 1932, Burbank × Nigra). Tree spreading, very hardy, resembling *P. nigra* in most respects. Fruit medium size, oval ovate, red; skin thick but tender; flesh yellow, juicy, sweet; quality good, very good cooker; season early September.

Grenville (Experimental Farm, Ottawa, 1932, Burbank × Nigra). Tree upright-spreading, rapid grower, moderately productive. Fruit large, to 2 inches; oval ovate; yellow overlaid with dark scarlet; whitish bloom; flesh golden, firm, mild, sub-acid, pleasant; quality good for dessert; season late August.

Hanska (South Dakota Experiment Station, 1908, Native plum seedling × *Prunus simoni*). Tree spreading, rapid grower, productive. Fruit about 1¼ to 1½ inches, oblate round; suture deep; dark carmine with heavy blue bloom; skin thick; flesh greenish yellow, firm, juicy, sweet, perfumed, with distinctive flavour; quality very good for jam and canning; season mid to late September.

Haralson No. 4 (a sister of Fiebing). Very similar to Fiebing.

Heaver (Cherry-plum, seedling of Opata, developed by K. N. Heaver, Baljennie, Saskatchewan, about 1943). Bush low spreading, vigorous, hardy, productive. Fruit roundish, large, 1½ by 1⅔ inches, purple; pit small, cherry-like; flesh greenish, firmer than parent, juicy, pleasing; quality good as dessert, and superior when canned, having a rich wine colour. Season mid-August, being earlier than Tecumseh. Very promising variety. Sold under restriction by the originator.

Hennepin (Minnesota Fruit Breeding Farm, 1923, formerly Minn. 132, Satsuma × native). Tree moderate grower and producer at Morden. Fruit medium, roundish oval, pointed at apex; suture distinct; red purple with heavy bloom; skin thick; flesh dark red, stringy, firm, sweet; quality good for canning; season early September.

Ivanovka (A Russian plum, of *Prunus salicina* blood introduced by I. V. Mitchurin, received at Morden in scion form from Manchuria, spring of 1939). Tree upright spreading, vigorous, hardy and productive at Morden. Fruit roundish, 1½ by 1½ inches, greenish yellow mostly covered with dull bluish red, overlaid with medium bloom; flesh greenish yellow to pink, somewhat stringy, clingstone, sweetish, sprightly; quality good as dessert and canned. Season late August. Merits wide trial.

Kaga (A full sister of Hanska). Fruit is similar. Tree seems a more dependable bearer at Morden. Valuable as a pollinizer.

Kahinta (South Dakota Experiment Station, 1912, Apple plum × Terry). This sister of Waneta has been less productive in southern Manitoba, but the roundish fruit is more pleasing in quality.

Kota (Sister of Hanska, Kaga and Toka, 1939). Fruit is larger than the others.

La Crescent (Minnesota Fruit Breeding Farm, 1923; Shiro × Howard Yellow). Tree vigorous, moderately hardy at Brooks, Alberta, moderate cropper. Fruit slightly under medium size, obliquely oval; clear yellow sometimes scarlet blushed; light bloom; flesh yellow, tender, juicy, sweet aromatic; quality excellent; season late August.

Loring Prize (J. P. Vilka, Lonsdale, Minnesota, 1917, open-pollinated seedling of Burbank). Tree spreading, vigorous, fairly hardy, moderately productive at Morden and at Brooks, Alberta. Fruit very large, roundish oval, red with medium bloom; flesh yellow, somewhat stringy, juicy, sweet, pleasant; quality very good; season early September.

Lunn (Quebec). Tree vigorous, comparatively hardy for a *domestica* prune plum, less productive than Mount Royal at Morden. Fruit large, round oval; dark purple with light waxy bloom; flesh yellowish green, firm, very juicy; quality good; season mid-September.

Mammoth (A. P. Stevenson, Morden, Man., seedling of Cheney, with probably an *americana* pollen parent). Tree spreading, vigorous, hardy, productive. Fruit medium to large, roundish oval; lively red with many distinct dots and heavy bloom; flesh yellow, very juicy, sweet; quality good for dessert, fair for canning; season late August.

Mandarin (F. L. Skinner, Dropmore, Man., seedling of Manchurian plum). Tree rounded, vigorous, productive. Fruit small to medium, about $1\frac{1}{4}$ inches, reddish purple; flesh yellow, juicy, sub-acid, aromatic, quality good; season late August and early September. A purely Oriental plum.

Manor (A cherry-plum, seedling of Sapa, described in 1937, accorded the re-test number of Morden 119 in 1940, and named in 1945 at the Dominion Experimental Station, Morden). Bush is hardier and somewhat more upright than Sapa, attaining a height of 6 feet; productive annual bearer. Fruit is roundish, flattened at apex, 1 to $1\frac{1}{4}$ inches in diameter, dark purple red to purple; bloom waxy light; skin thin, tender, adhering to flesh; flesh dark red to purplish, meaty, tender, juicy, sweet with trace of astringency, pleasing, resembling Sapa; stone relatively large, almost free; quality good, for canning excellent with purple-red colour, being less heavy purple than Sapa. This cherry-plum is productive across the prairies to northwestern Alberta. Season early to mid-August.

Mansan (Experimental Station, Morden, 1935, seedling of select native sand cherry). Tree resembles Compass but hardier. Blooms late and requires a late-flowering companion to be productive. Fruit small, nearly 1 inch; roundish oval; dark carmine with heavy bloom; flesh greenish yellow, fine, firm, mild sub-acid, pleasant; quality good for canning; season early September.

McRobert (J. C. McRobert, Gilbert Plains, Manitoba, about 1929, seedling of Nigra). Tree upright, moderate grower, very hardy, moderate bearer. Fruit large, oval, flattened on suture side, greenish yellow washed dark red and overlaid with light bloom; flesh dark yellow, firm; quality fair as dessert, very good canned; season early September.

Mina (Experimental Station, Morden, 1934, seedling of Pembina, released in 1931 as Morden 109). Tree upright to spreading, moderately vigorous, hardy, productive. Fruit medium size to $1\frac{1}{4}$ inches; roundish oblong, irregular; deep red with light bloom; flesh yellow, fine, melting, sweetish; quality superior to Pembina for cooking, having apricot flavour; season about August 18 to 25.

Monitor (Minnesota Fruit Breeding Farm, 1920, Burbank × native). Tree upright-spreading, vigorous, productive. Fruit very large, roundish ovate; dull bronze red; flesh yellow, tender, firm, juicy, sweet; quality good; season about mid-September.

Mordel (Experimental Station, Morden, 1930; seedling of Assiniboine). Tree upright, strong grower, hardy, productive. Fruit medium size, oblong, ovate, unequal; dull red with light bloom; skin thick, toughish, acid; flesh yellow, firm, mild; quality good canned, having a distinctive raspberry flavour; season late August and early September.

Mordena (Experimental Station, Morden, 1930, seedling of Compass). Tree spreading, vigorous, hardy, late blooming, productive only when associated with a late-flowering pollenizer. Fruit small to medium, 1 inch, round obovate; red to dark purplish red with medium bloom; flesh yellow, juicy, sweet, sprightly, sub-acid; quality good for canning, excellent for jelly; season early September.

Mount Royal (Quebec). Tree upright, vigorous, hardy for a European type prune, productive at Morden in some seasons. Fruit medium, roundish, flattened at stem end; dark purple with moderate blue bloom; flesh greenish yellow, firm, juicy sweet; quality good; season mid-September. One of the hardiest prune plums.

Nicollet (Minnesota Fruit Breeding Farm 1925, Sweet cherry × pin cherry × sand cherry). Tree small, bush-like, finely-branched, seldom productive at Morden, probably due to a lack of effective pollenizers. Fruit small, roundish; dull-red; flesh greenish yellow, firm, tender, juicy, mildly sour; quality good for canning, resembling common sour cherries; season August.

Norther (Experimental Station, Morden, 1943, seedling of Assiniboine, released in 1933 as Morden 101). Tree moderately spreading, sturdy, vigorous, hardy, bears a large crop year after year. Fruit medium, measuring $1\frac{1}{4}$ by 1 inch in full bearing, ovalovate; bright red with light grey bloom; skin thin, tender; flesh yellowish, juicy, sweetish; stone large flat; quality fair to good for canning; season August 5 to 15. A sister of Bounty and Mordel, which promises wide suitability for the northern prairies.

Ojibwa (South Dakota Experiment Station, 1917, Shiro × Manitoba wild plum). Tree spreading, small, extremely productive. Fruit small to medium, ovate, pointed, bright red with bright bloom; flesh yellow, firm, pleasant; quality good for canning; season late August to early September.

Oka (South Dakota Experiment Station, 1924, seedling of Champa). Bush small, upright, fine branches, productive at Rosthern. Fruit about 1 inch, roundish; purplish red; skin thick tough; flesh very dark red, firm, juicy, sweet pleasant; quality good; season mid-August to early September. Fruits remain in edible condition on tree for three weeks after ripening.

Olson (W. J. Boughen, Valley River, Manitoba, a selection from the woods). Tree upright, moderate grower, very hardy, productive. Fruit small to medium, oval, dark red; skin thin; flesh greenish yellow, juicy; quality better than most wild plums for canning; season late August.

Omaha (Theodore Williams, Benson, Nebraska; native × Japanese, 1901). Tree spreading, vigorous, medium hardy. Fruit $1\frac{1}{2}$ inches, round; yellow mostly covered bright red overlaid with bluish bloom; flesh yellow, tender, juicy, sweet but acid next stone and skin; quality good; season early September.

Opata (South Dakota Experiment Station, 1908, sand cherry × Gold plum). Tree spreading, vigorous for sand cherry hybrid, somewhat harder than Sapa, very productive. Fruit small to medium, 1 to $1\frac{1}{4}$ inches, roundish to oval; greenish mostly covered reddish purple, overlaid with thin bloom; skin medium; flesh yellowish green, medium firm but softening soon after picking, juicy, sweet and acid; quality medium to good; season latter half of August.

Oziya (South Dakota Experiment Station, 1912, Red June \times De Soto). Tree spreading, fruit buds rather tender. Fruit considered excellent for jam and good for dessert. This variety is being replaced by recent more reliable varieties.

Pembina (South Dakota Experiment Station, 1917, Manitoba wild plum \times Red June). Tree spreading, vigorous, tends to bear heavily in alternate years. Fruit large, round-ovate, pointed; red with heavy bluish bloom; skin thick; flesh yellow, juicy, sweetish; quality good for dessert but only fair for canning; season latter part of August.

Pipestone (Minnesota Fruit Breeding Farm, 1942, formerly known as Minn. 218, *Prunus salicina* \times *Prunus americana*). Tree spreading, vigorous, large, hardy, productive at Morden. Fruit very large, round conic with apex bluntly rounded; deep red over-laid grey bloom; skin thin, tough, peels easily; flesh bright yellow, medium firm, slightly stringy, tender, juicy, clingstone, sweet; quality excellent; season early September.

Prolific (Seager Wheeler, Rosthern Sask., seedling of Opata). Bush less vigorous than Opata but hardier, productive. Fruit 1-1½ inches, obovate, irregular; dark purple with light grey bloom; flesh greenish, firm, fine, juicy, mildly sub-acid; quality good; season mid-August.

Radisson (Minnesota Fruit Breeding Farm, 1925, *Prunus salicina* \times native). Tree upright-spreading, medium size, hardier than most plums of this breeding, productive. Fruit large, roundish to oval, slightly pointed; rich red overlaid with heavy bloom; skin thick, slightly astringent; flesh rich yellow, firm, tender, slightly fibrous, juicy, sweet; quality very good; season third week of August.

Raynes (Quebec, a prune plum). Tree vigorous, comparatively hardy for a *domestica* prune, productive at Morden after mild winters. Fruit medium to large; oval, long, flattened on suture side; dark reddish purple with moderate blue bloom; skin thin, tender; flesh yellowish green, firm, fairly juicy, sweet; quality good; season mid-September.

Redcoat (Minnesota Fruit Breeding Farm, 1942, formerly known as Minn. 17, Burbank \times Wolf, a sister of Red Wing). Tree spreading, vigorous, healthy, hardy, productive. Fruit medium sized, prune-shaped; bright crimson with heavy bloom; skin thin, tender; flesh bright yellow, meaty, tender, freestone, sweet to mild sub-acid; quality good, excellent for jam; season late August.

Red Cortland (A cherry-plum, introduced by Joseph E. Laing, Michigan). Tree strong grower for sand cherry hybrid, upright, spreading; hardiness not yet determined in Manitoba. Fruit roundish, larger than Sapa, purplish black overlaid with heavy blue waxy bloom; flesh dark red purple, meaty, juicy, sweet; flavour pleasing. Season late August to early September.

Red Wing (Minnesota Fruit Breeding Farm, 1920, Burbank \times Wolf). Tree spreading, vigorous, hardy and productive at Morden, but fruits subject to brown rot disease. Fruit very large, roundish oblong flattened; yellow and deep red with heavy bloom; skin thick, peels readily; flesh rich yellow, firm, only moderately juicy, sweet; quality good, very excellent for jam; season early September.

Ruby (Seager Wheeler, Rosthern, Sask., seedling of Compass). Bush spreading, not vigorous but very hardy and productive. Fruit is of the Compass type but rates lower in quality. A dependable producer.

Russian Green Gage (Origin not known at present, received from the late David Tait, Carterton, St. Joseph Island, in northern Ontario). Tree spreading, the hardiest of the good edible *Prunus domestica* plums at Morden. Fruit roundish-cordate, about 1½ inches in diameter, durable; skin green, tender; flesh greenish-yellow, firm, meaty, juicy, sweet; stone roundish; quality very good for dessert and canning. Season early September.

Sansoto (South Dakota Experiment Station, 1910, Sand cherry × De Soto). Bush spreading, medium size, hardy. Fruit medium size, roundish to heart-shaped; greenish yellow blushed dull reddish purple; bloom thin, bluish; skin thin; flesh yellowish green, juicy, sweet, acid, mild flavour; quality good for canning; season early September.

Sapa (South Dakota Experiment Station, 1908, Sand cherry × Sultan). Bush spreading, small, very productive. Fruit $1\frac{1}{8}$ by 1 inch; roundish; purple washed with dark purple and overlaid with a light bluish bloom; skin thin, tender; flesh dark purple, clingstone, very juicy, sprightly, sweetish, slightly astringent; quality medium, excellent for canning and for jam, season late August. A valuable variety which often benefits from thinning in early June.

Sapalta (Horticultural Experiment Station, Brooks, Alta). Closely resembling Sapa in bush and fruit characters but seems sweeter and less clingstone. It may be more dependable. The fruit is of excellent quality.

Stevens (W. J. Boughen, Valley River, Man., select native plum). Tree spreading, medium size, very hardy, productive. Fruit medium size, yellow with red blush; rather astringent, quality below Olson; season late August.

Superior (Minnesota Fruit Breeding Farm, 1932, formerly known as Minn. 194, Burbank × Kaga). Tree spreading, very vigorous, tender and only fruitful after mild winters at Morden. Fruit very large, conic with pointed apex; dark red with heavy bloom; flesh yellow, tender, juicy, sprightly, sweetish; quality very good; season mid-September to late September.

Tawena (South Dakota Experiment Station, 1924, Apple plum × Terry). Tree spreading, rather tender. A sister of Kahinta and Waneta. Less hardy than the latter. Fruit is more round, smaller, and of more pleasing quality than Waneta when canned.

Tecumseh (South Dakota Experiment Station, 1918, Shiro × Surprise). Tree moderate grower, hardy and productive at Morden. Fruit medium size; round ovate; bright red with bluish bloom; flesh yellow, firm, juicy, sweetish, sub-acid; quality good to very good; season about mid-August in southern Manitoba.

Terry (H. A. Terry, Crescent, Iowa, 1896, seedling of Van Buren). Tree upright, open, vigorous, hardy at Morden. Fruit large, oval; dark red with thin bloom; flesh yellow, firm, melting; quality good for native plum; season early September.

Toka (South Dakota Experiment Station, 1911, seedling native plum × *Prunus Simoni*). Tree erect, vase-shaped, vigorous, sometimes productive. Fruit resembles its sisters, Hanska and Kaga. Ripens second week of September.

Tokata (South Dakota Experiment Station, 1912, *Prunus Simoni* × De Soto). Tree upright to spreading, moderate grower, productive in some seasons at Indian Head. Fruit medium size; round ovate; dark orange red with light bloom; skin thick, tough, acid; flesh orange, somewhat fibrous, juicy, apricoty, sweet; quality very good; season early September.

Tom Thumb (South Dakota Experiment Station, 1922. Seedling of Ezaptan). Bush spreading, partly prostrate, small, hardy, fruitful. Fruit about 1 inch, oblate roundish, unequal; dull purple with moderate bloom; flesh dark carmine, firm, juicy, mildly acid; quality medium; season late August.

Tonka (Minnesota Fruit Breeding Farm, 1920, Burbank × Wolf). Tree spreading, medium size, productive but less reliable than Underwood. Fruit large, round; light red with waxy bloom; flesh yellow, firm, tender, sweet rich; quality good; season early September.

Underwood (Minnesota Fruit Breeding Farm, 1920, Shiro × Wyant). Tree spreading, medium size, usually hardy at Morden, productive. Fruit large, round-conic; yellow overlaid with light to rich red with a faint waxy bloom; flesh golden yellow, tender, slightly stringy, juicy, sweet; quality very good; season third week of August.

Valley River (W. J. Boughen, Valley River, Man., native plum selection). Tree roundish, medium size, very hardy; fruit small to medium; oval; yellow and red; flesh yellowish, juicy, sweetish, somewhat astringent; quality much lower than Dandy; season mid-August.

Waneta (South Dakota Experiment Station, 1913, Apple plum \times Terry). Tree spreading, vigorous, hardy at Morden, very productive. Fruit very large; long round ovate; yellow mostly overlaid dark red with medium bloom; skin medium thick; flesh deep yellow, juicy, sweet; quality good, fair for cooking; season early September.

Winnipeg (South Dakota Experiment Station, 1908, seedling selection from Stonewall, Man.). A sister of Assiniboine but smaller and poorer in its fruit. Not worthy of further planting.

Winona (Minnesota Fruit Breeding Farm, 1922, Burbank \times Wolf). Tree spreading, vigorous, hardy in southern Manitoba, and in some seasons produces at Saskatoon. Fruit medium to large; round; greenish yellow to red with heavy bloom; flesh yellow, fine grained, tender, juicy, sweet; quality very good, resembling Emerald; season mid-September.

Zumbra (Minnesota Fruit Breeding Farm, 1920, a sister of Nicollet). Bush small, spreading, rather brittle, hardy, productive. Fruit good size for the type, about 1 inch, roundish; reddish black; skin medium, not astringent; flesh greenish yellow, firm, juicy, mildly sub-acid; quality good for canning; season late August.

SAND CHERRIES

Sand Cherry (*Prunus besseyi* and *P. Pumila*). A variable native bush, often sprawling, sometimes upright, from 1 to 7 feet high, hardy, productive on well drained sandy soils. Leaves take on rich red autumn colouring. Fruit usually small, oval to round, amber to black, mostly acid and astringent but sometimes sweet; season early July to September. It may properly be considered as a small plum rather than as a cherry.

Advance (Seager Wheeler, Rosthern, Sask., 1929, a seedling). Bush medium size, productive. Fruit medium to large in size, mild; season early August.

Sister sand cherries of similar type, introduced by Dr. Wheeler, are Forward and Jumbo.

Black Beauty (G. F. Chipman, Winnipeg, Man., seedling of select sand cherry, formerly #842). Bush upright, hardy, productive. Fruit to $\frac{3}{4}$ inch, roundish, shiny black; skin thin; flesh firm, juicy, sweet; quality good; season early August.

Brooks (Horticultural Experiment Station, Brooks, Alta., 1934, sand cherry seedling developed by A. Griffin, founder of the Station). Bush upright-spreading, vigorous, very hardy, productive. Fruit often 1 inch long, roundish oval-ovate, purplish black; skin thick, tough; flesh yellowish green, firm, juicy, tender, mild; quality good except for tough skin; season early August.

Mando (Experimental Station, Morden, 1931, seedling of select sand cherry). Bush upright to spreading, medium size, hardy, productive. Fruit to $\frac{3}{4}$ inch, roundish to obovate, unequal; purplish black; flesh greenish, tender, juicy, sweet; quality good; season early August.

Manmoor (Experimental Station, Morden, 1929, seedling of select sand cherry). Bush upright, spreading, medium size, hardy, productive. Fruit to $\frac{3}{4}$ inch, roundish; purplish black; flesh greenish, firm, fine, mild-flavoured; quality good, very good for canning; season early August.

Oahe (South Dakota Experiment Station, 1937, select seedling sand cherry). Bush spreading, medium size, productive. Fruit $\frac{3}{8}$ inch, roundish, purplish black; flesh greenish, tender, juicy, sweet, mild; quality good, season early August.

Sioux (South Dakota Experiment Station, 1902, Select sand cherry). Bush lowly, very spreading, small, hardy, fruitful. Fruit small to $\frac{3}{8}$ inch, roundish; purplish black, flesh greenish, fine, juicy, sweet, mild; quality good; season second week of August.

SOUR CHERRIES

Bessarabian (From Russia about 1883). Bush upright-spreading, medium size, vigorous, a relatively hardy Morello cherry production. Fruit medium size, bright to dark red, roundish heart-shape; flesh red, sprightly, mild acid; juicy reddish; quality fair; season July and August.

Coronation (Experimental Station, Morden, 1937, third generation seedling of Shubianka). Bush upright, round headed, vigorous, moderately productive. Fruit large, up to 15/16 inch on young trees; long roundish with a narrowed neck; dark red; flesh yellowish, firm, tender, acid; juice pink, plentiful; quality fair to good as a Morello for canning; season third week of July to early August.

Dyehouse (Mr. Dyehouse, Kentucky, about 1860, seedling). Much like Early Richmond but a week earlier, brighter red, more highly coloured juice and slightly smaller size. Bears well at Morden in favourable seasons. Ripens in early July.

Early Richmond (probably a seedling of the Amarelle type, developed in England from French seed, about 1629). Tree upright-spreading, medium size, dense, productive at Morden after mild winters. Fruit about $\frac{3}{4}$ inch, round-oblately, light red to dark red; flesh pale yellow, stringy, tender, sprightly, pleasing; juice light pink; quality very good; season July.

Ground Cherry, or Mongolian Cherry (*Prunus fruticosa*). This is a spreading pony-sized shrub that grows to a height of only about 3 to 4 feet. It is native to Mongolia and Siberia. Suckers are produced abundantly. The fruit resembles a small Morello cherry, being globose in shape, light red to dark red, up to $\frac{1}{2}$ inch in diameter, useful for canning. The Morden strain came from the Russian Department of Agriculture, in exchange for local fruit seed. The Ground Cherry from Mongolia seems to possess abundant hardiness, and to offer wide scope for selection as there is much variation in bush, leaf and fruit characters.

Homer (New England, about 1903, seedling of the Amarelle type). Tree roundish, medium size, hardy in southern Manitoba. Fruit medium size, round-oblately, red to dark red; mild sub-acid; flesh tender; juice uncoloured; quality medium to good; season July.

Koslov (Crimea, Russia). Bush small, many branches, hardy. Fruit small, dark red to almost black; coloured juice, sprightly tart; quality fair for cooking; season late July to August.

Montmorency (France, several hundred years ago). Tree upright-spreading, large, vigorous, productive in some seasons at Morden, but not dependable. Fruit $\frac{3}{4}$ inch, round-oblately; red to dark red; flesh pale yellow with reddish tinge, tender, melting, sprightly, tart; juice plentiful, light pink; quality very good; season late July and early August.

Moscow (South Dakota Experiment Station, 1917, Russian Morello seedling). Tree upright-spreading, hardy, sometimes productive in southern Manitoba. Fruit medium size, roundish, dark red; flesh medium firm, juicy, tart; quality fair; season late July and early August.

Shubianka (Russia, resembles Vladimir). Tree dwarf, round-topped hardy. Fruit small, round, dark red; skin thick, tough; flesh firm, juicy, astringent; juice reddish; quality poor; season early July. It is the parent of some good seedlings.

Vladimir (from Orel, Central Russia, about 1880; Morello type). Tree dwarfish, round-topped, hardy, productive. Fruit small to medium, round-cordate, dark red to almost black; flesh dark red, stringy, astringent, sour; juice dark red; quality fair; season August.

Wragg (J. Wragg, Waukee, Iowa, about 1884, as a sprout from another tree). Tree small, spreading, with drooping branchlets, hardy and annually productive at Morden. Fruit $\frac{3}{4}$ inch, roundish cordate, very dark red; skin, thin, tender; flesh dark red, tender, melting, sprightly, tart; juice reddish; quality good; season late August and September.

CHERRIES (OTHER)

Drilea (Experimental Station, Morden, Man., 1938, from seed of a white variety of Nanking cherry, secured at the U.S.D.A. Northern Great Plains Field Station, Mandan, North Dakota). Bush upright, large for the species, dense, vigorous, tolerant to dry conditions, hence the name,—dry and lea; very productive. Fruit to $\frac{5}{8}$ inches, round, bright scarlet red; skin thin tender; flesh firm, melting, sweetly tart, pleasant; quality very good; season last half of July.

Nanking Cherry (*Prunus tomentosa*—eastern Tibet and China). A bushy plant, vigorous, dense-topped, hardy and annually productive at Morden. In the higher prairies the strain known as Northern Limit is suggested. Fruit varies around $\frac{1}{2}$ inch diameter, round; white to currant-red; skin thick, covered with light woolly hairs; flesh creamy to pink with light pinky juice, firm, sprightly, sour to sweetish; quality fair to good according to the selection; excellent for jelly; season July and August.

Ussurian Cherry, or Chinese Bushcherry (*Prunus japonica*,—Manchuria). Sometimes referred to as Korean cherry. It grows in central China, Manchuria and Korea. The bush may reach a height of $4\frac{1}{2}$ feet. Branchlets are numerous, thin and slender. Fruits are globose, light to wine-red, meaty, and vary from sweet to bitter. The Minnesota Fruit Breeding Farm have several superior selections. Some have red flowers and red-fleshed fruit.

PEARS

Bantam (Minnesota Fruit Breeding Farm, 1939, a seedling formerly known as Minn. No. 3). Tree upright-spreading, hardy, healthy, productive. Fruit small to medium, 2 by $1\frac{3}{4}$ inches, ovate, dark green blushed deep red; flesh tender, juicy, mild, sweet; quality very good; season early September.

Harbin (South Dakota Experiment Station, 1926, seedlings of *Pyrus Ussuriensis* from east of Harbin). Trees upright, hardy, healthy, productive at Morden. Fruit variable, useful for jelly, and some strains make pleasing sauce.

Mendel (William Pfaender, Jr., New Ulm, Minn., 1920, seedling). Tree upright, vigorous, moderately hardy, has fruited near Miami, Man. Fruit large to medium, pyriform, yellow; flesh firm, juicy, moderately tender; quality good; season early September.

Minnesota No. 4 Pear—(Minnesota Fruit Breeding Farm, seedling). Tree upright, healthy, hardy. Fruit 2 by $2\frac{1}{8}$ inches, yellow lightly blushed dull red with numerous brown dots; stem long, stout; flesh white, very firm, gritty, sweetish; quality fair; season September to early January.

Parker (Minnesota Fruit Breeding Farm, 1934, from Manchurian seed). Tree upright, large, vigorous, but subject to fire blight. Has fruited well near Miami, Man. Fruit large, roundish pyriform, yellow blushed red; flesh whitish, tender, juicy, sweet, pleasant; quality very good; season late September.

Pioneer No. 3 (A. L. Young, Brooks, Alta., from commercial seed). Tree upright, vigorous, hardy, productive. Fruit $2\frac{1}{4}$ by 1-7/8 inches, oval irregular; greenish-yellow blushed dull red; flesh whitish, firm, granular, juicy, subacid, quality fair, good for canning; season mid-September.

Pushkin (South Dakota Experiment Station, 1919, *Pyrus ovoidea* × R K553). Tree large, upright-spreading, vigorous, healthy productive. Fruit $1\frac{1}{2}$ by $1\frac{1}{2}$ inches, roundish, green blushed dull red; skin thick, tough; flesh yellowish, firm, coarse, juicy, somewhat astringent; quality fair; season early September.

Tait-Dropmore (Introduced by F. L. Skinner, Dropmore, Man., after receiving it as a seedling of Patten from David Tait, Carterton, Ont.). Tree upright-spreading, vigorous, partly resistant to fire blight, very hardy, has been productive at Dropmore, Man. Fruit $2\frac{1}{8}$ by 2 inches, top-shaped pyriform, irregular; greenish yellow blushed dull carmine; skin thick, tender; flesh dull yellow, coarse, gritty; quality fair, good for sauce; season mid-September.

Tait No. 1 (David Tait, Carterton, Ont., seedling of European). Tree upright-spreading, vigorous, moderately hardy and sometimes productive at Morden. Fruit $2\frac{1}{4}$ by 2 inches, top-shaped to pyriform, greenish yellow; flesh firm, tender, juicy, sweetish, some noticeable grit cells; quality good; season mid-September.

Tait No. 2. Similar to Tait No. 1, but larger in diameter and of somewhat richer flavour. Tree seems less hardy than its sister selection.

Ussurian (*Pyrus ussuriensis*). Wild pear of the Usuri River region in Manchuria and Siberia. Tree is upright-spreading, round-headed, vigorous, very hardy and usually productive. Fruit small, up to $1\frac{3}{4}$ inches in diameter, round to top-shaped, greenish yellow; flesh coarse, gritty, quality poor but good for jelly. Tree is useful for topworking and to supply hardy seed.

APRICOTS

Anda (South Dakota Experiment Station, 1936, from seed brought from northern Manchuria by Dr. N. E. Hansen, in 1924). Described by Dr. Hansen,—“Tree productive, freestone, of good size. Season late. In cooking stays firm and does not cook up”.

Chow (sister of Anda). “Tree productive; fruit large, good eating, cooking test; pale yellow sauce of good quality”.

Hulan (sister of Anda). “Very heavy crop of large fruit. Season early. Makes good flavoured sauce”.

Lalin (sister of Anda). “Fruit large, yellow with red blush. Fresh fruit good quality. Tree productive, season early”.

Manchu (sister of Anda). “Large yellow fruit; heavy crop. Fresh fruit No. 1 in size and quality. Cooks up into pale yellow good quality sauce”.

Manchurian apricot (*Prunus mandshurica* from Manchuria and Korea). A spreading tree sometimes 15 feet high, with light bark; flowers white or pinkish. Fruit about 1 inch in diameter, subglobose, yellow, meaty but usually dry, fibrous, tends to split as it matures; quality varies from bitter to pleasing, according to the strain selected. The seed is valuable as a source of root stocks.

Mandarin (sister of Anda). “Fruit large, rich yellow colour; one of the best in quality, fresh or when cooked”.

Morden 601 (Experimental Station, Morden, 1941, as a second generation of cross, Siberian × Commercial, made at the North Dakota Experiment Station,

from whence the seed was donated). Tree spreading vigorous, hardy, productive. The fruit resembles Scout but is more roundish in shape. The quality of the canned fruit is very good. This hybrid promises to be a hardy companion for Scout and Robust.

Ninguta (sister of Anda). "Fruit large yellow with red blush. Crop very heavy. Season late, first week in August. Fresh fruit very mild, one of the mildest and best".

Robust (A. Spangelo, Morden, Man., 1941, from seed brought in from Manchuria). Described in catalogue of Morden Nurseries, 1941: "Fruit medium in size, as large as Scout, yellow skin and flesh, smooth texture, mild, pleasant, most excellent in jam and delicious as dessert". This new variety is hardy and productive at Morden. The canned golden fruit is meaty, tender, rich in flavour, free of astringency, and of excellent quality.

Sansin (sister of Anda). "Heavy crop of large fruit, fresh fruit of excellent quality, making rich orange-yellow sauce".

Scout (Experimental Station, Morden, Man., 1937, from seed sent by the Experimental Station of the Eastern Siberian Railway, Echo, Manchuria). Tree upright, round headed, vigorous, hardy, healthy, and productive when cross-pollenized. Fruit 1-9/16 by 1-7/16 by 1¼ inches, flat oblong-cordate, pointed; bronzy golden sometimes blushed red; skin thin; flesh deep yellow, fine, tender, not juicy, freestone; quality fair for dessert, good canned and as jam; season end of July and first of August.

Siberian Apricot (*Prunus siberica* from Eastern Siberia, Manchuria and North China). An upright ornamental tree from 8 to 15 feet high, with white to rich pink flowers. The fruit is yellow with reddish cheek, woody and of direct use chiefly as a source of seed from which to grow root stocks.

Sing (sister of Anda). "Tree productive, fruit large. Cooks to a good rich orange-yellow sauce, flavour stronger than some of the others".

Sino (sister of Anda). "Heavy crop, fruit small on 8-foot crowded tree. Excellent flavour." The fruit as grown at the Morden Station has been slightly bitter.

Tola (sister of Anda). "Large freestone. Makes excellent quality sauce. 1935 crop very heavy. One of the best. Season early August in 1935".

Zun (sister of Anda). "Quality of fruit nearly excellent. Pit small, round freestone".

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