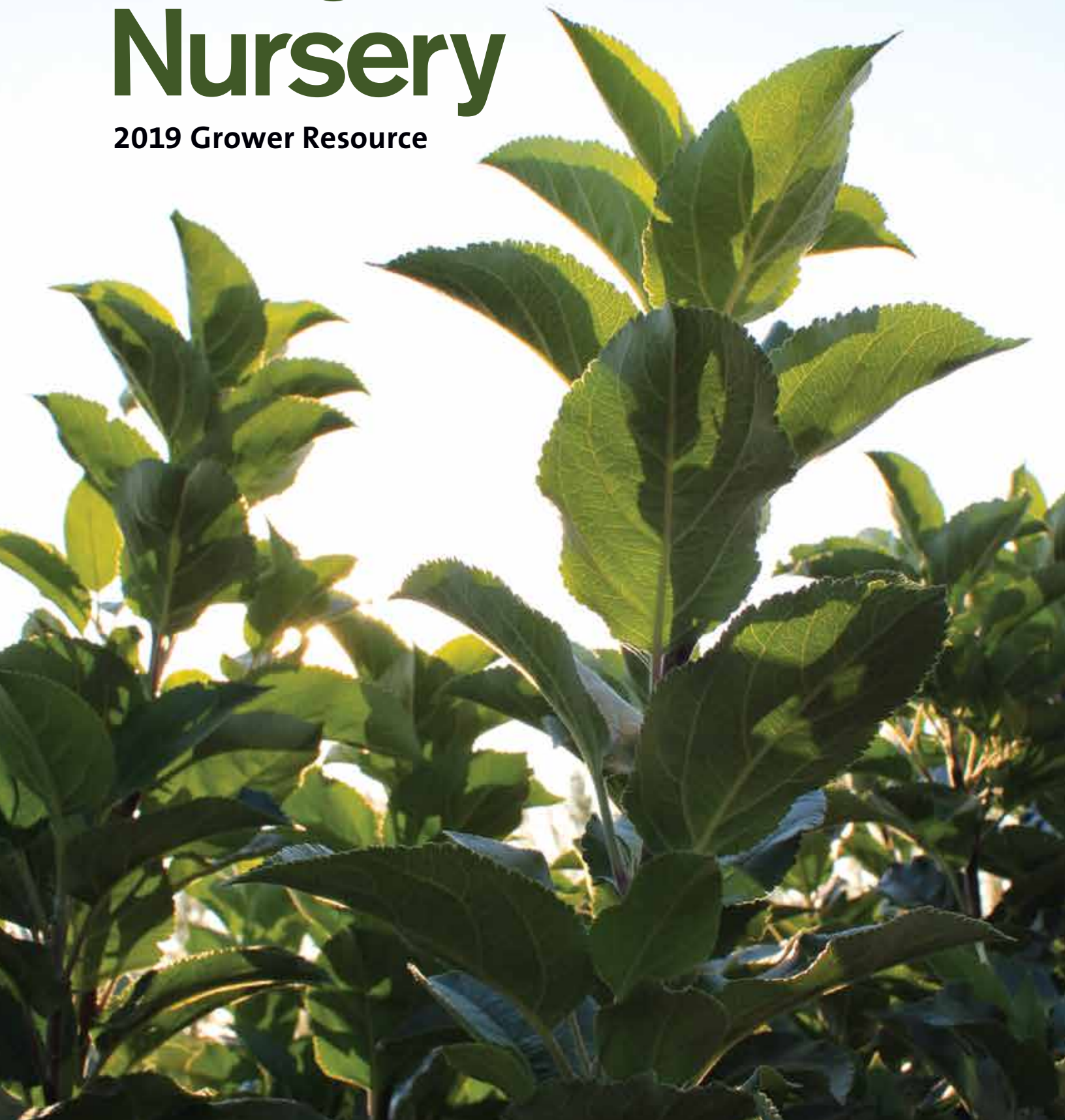


Willow Drive Nursery

2019 Grower Resource



BUSINESS POLICIES

PATENT & TRADEMARK RIGHTS U.S. plant patent laws prohibit the propagation of patented plant materials for personal use, offering for sale or selling the plant so reproduced or any of its parts, including the fruit, throughout the United States or from importing the plant so reproduced or any part thereof, into the United States. The life of the patent is 20 years. Permission must be obtained in writing from Willow Drive Nursery prior to top working or propagating our patented varieties. The use of Willow Drive Nursery's trademarks without authorization is prohibited.

SCIONWOOD AND FRUIT COLOR Whenever possible, our scionwood is carefully selected from mature bearing trees. In spite of this effort, it is the nature of some varieties to be unstable in developing fruit color at harvest time. Environment and growing practices can also affect the color formation. Because of this, we cannot accept responsibility for the fruit color, type, tree structure or other varietal defects.

Whenever possible Willow Drive uses virus free scionwood for propagation. However, not all varieties are available virus free. Please contact your Willow Drive representative if you have any questions.

TWO-YEAR BUDDED TREES Willow Drive Nursery fills commercial orders with trees grown in place for two years (that is two-year-old rootstocks and one-year-old tops). This type of tree offers the commercial orchardist a distinct advantage over one-year-old grafted trees. For almost the same money, the two-year-old budded tree with a larger and more fibrous root system survives much better in transplanting, gets off to a quicker start, matures faster and produces sooner.

REPLACEMENT POLICY Willow Drive Nursery warrants the trees to be true-to-name, alive, and in good condition. If trees arrive damaged, or they do not appear to start properly, please call us at once. We may be able to help you with the problem! It takes both you and us to successfully transfer the dormant trees through the transplanting process. If the trees fail to grow within the first growing season with proper care on your part and replacements are needed, Willow Drive will replace the trees at no cost.

Willow Drive Nursery will not be responsible for tree losses when the grower stores nursery trees with apples or in poorly ventilated apple storage rooms; plants new trees into fumigated orchard before soil is free from fumigant, causing major tree damage or poor tree performance; or abuses the trees by allowing tree desiccation or weed competition to occur through poor management practices. The orchardist is responsible for planting conditions and utilization of varieties and rootstocks.

SHIPPING INFORMATION The trees are shipped F.O.B., Ephrata, WA. When the trees are shipped on our trucks, we are responsible for damage in shipping. When the trees are shipped on your trucks, or on private commercial carriers, you are responsible for damage in shipping. It is your responsibility to contact the carrier and submit the damage claims to commercial carriers. We recommend that small shipments be sent by air freight during the cold winter months or by UPS when there is no fear of freezing. Larger shipments can be shipped by heated trucks except during extreme cold weather conditions.

BOXING COSTS Trees will be boxed at cost upon buyer's request.

TREES DELIVERED IN OUR TOTAL CARE SYSTEM PALLETS In Washington State and British Columbia, Canada, we will deliver and pick up the pallets at cost at grower's request. The growers are welcome to pick up tree orders in pallets also. These PALLETS MUST BE RETURNED WITHIN 45 DAYS from delivery. \$85.00 per pallet will be charged for all unreturned or destroyed pallets.

FIREBLIGHT SUSCEPTIBILITY Many of the new varieties being planted today are susceptible to fireblight. Special care and preventative sprays are recommended for newly planted orchards.

TERMS OF PAYMENT Until credit is established, all orders must be prepaid. Once credit is established, payment is due in full within 30 days following the invoice date. A service charge of 1.5% per month is charged on invoice balances unpaid after 30 days. Payment may be made with currency, check or bank transfer.

1% CERTIFICATION TAX Washington State requires a 1% certification tax to be assessed on all fruit tree sales. The money is used for the improvement and certification of fruit tree nursery stock grown in Washington State.

MINIMUM ORDERS For orders less than 30 trees, add \$15 per tree.

DEPOSITS All tree orders and contracts require a deposit. Tree order allocations are made based on replacement trees being first, then on the date the deposit was received at Willow Drive Nursery.

WHOLESALE NURSERY Willow Drive Nursery is a wholesale nursery only.

BRITISH COLUMBIA, CANADA As of spring delivery 2013, Willow Drive will not warranty trees shipped to British Columbia due to fumigation related issues.

Contact our office at 888-548-7337
Visit us online at www.willowdrive.com

OWNERS



Roger Adams, Brett Adams, Jim Adams, Ken Adams, Roy Colver, Richard Adams, Stuart Adams

APPLES

Royal Red Honeycrisp[®] USPP #22,244

Lady in Red (A SPORT OF CRIPPS PINK) USPP #18,787

Buckeye[®] Gala

Cosmic Crisp[™] (WA-38 CV) USPP #24,210

Chelan Spur[™] USPP #26,538

Ultima Gala[®] USPP #13,753

Maia 1 USPP #24,579

Aztec Fuji[®] DT2 Variety

Jonastar[®] Jonagold USPP #20,590

RubyMac[®] USPP #19,891

Granny Smith

It[®] Red Delicious

SnowSweet[®] USPP #19,446

Kumeu Crimson[®] Braeburn

Brookfield[®] Gala

Blondee USPP #19,007

Galaval[®] USPP #19,909

Ambrosia

Cameo[®] Brand (CAUDLE CV.) USPP #9,068

Chrisolyn[®] Jonathan USPP #21,300

HoneyCrisp

Joburn[™] Braeburn USPP #11,992

Liberty

LindaMac[®]

Redcort[®]

Rising Sun[®] Fuji

Ruby Jon[®]

Smoothee[®] Golden Delicious

Spartan

Zestar![®] USPP #11,367

APPLES

CHERRIES

Early Robin[®] USPP #13,951

Sweetheart

Chelan[™] (PC 7146-23 CV)

Santina[™] (13S-5-22) USPPAF

EbonyPearl[®] (NY 32)

BurgundyPearl[®] (NY 38L)

Tieton[®] (PC 7144-6 CV) USPP #11,385

Skeena[™] USPP #11,392

Benton[®] (PC 7146-8 CV) USPP #15,847

Lapins

Rainier

Kootenay[™] USPP #18,849

Sumnue (CRISTALINA[™])

Attika[®] KORDIA

Balaton[®]

Bing

BlackGold[™] USPP #17,301

BlackPearl[®] (NY 8139)

Black York[®]

Black Republican

BlushingGold[™]

Cowiche[™] (PC 7903-2 CV.) USPP #21,073

Danube[®]

Hedelfingen

Hudson

Index[™] (PC 7222-1 CV) USPP #10,459

Kiona[™] (PC 8007-2 CV.) USPP #20,526

Montmorency

RadiancePearl[®] (NY 7679)

Regina[™] (YORK 57/201 CV) USPP #11,530

Rynbrandt

Sandra Rose[™]

Schmidt

Sumleta (SONATA[™]) USPP #11,378

Ulster

Van

WhiteGold[®] USPP #18,892

CHERRIES

PEARS

Bartlett

Columbia Red D'Anjou[™]

Golden Russet[®] Bosc

D'Anjou

Forelle

Bosc

Comice

Concorde[®]

Red Clapp's Favorite

Red Sensation

Seckel

PEARS

APPLE ROOTSTOCKS

Standards/Mallings:

Budagovsky 9 BUD 9

This dwarfing, M9-size rootstock is very resistant to collar rot and moderately resistant to powdery mildew and scab. Superior winter hardiness has increased grower awareness; support is required.

M9-337

Ideal for high-density plantings. Performs similar to EMLA 9, cropping early with large fruit size. Best production occurs on fertile, well drained soils with consistent moisture. Brittle roots and poor anchorage necessitate tree support.

M9-NIC29

This dwarfing rootstock of Belgian origin produces a tree slightly more vigorous than M9-337. The root system is more expansive and fibrous than the M9-337. Tree support is required.

EMLA 26

EMLA 26 provides better anchorage than M9; however, it is still shallow-rooted and subject to drought stress. It is more precocious than EMLA 7, but tends to be less vigorous. Moderately susceptible to crown rot and susceptible to fireblight. Support is recommended.

EMLA 106

EMLA 106 is an excellent choice for spur-type Red Delicious varieties. It has heavy cropping potential with moderate vigor. It does well in a wide range of temperatures and has good anchorage. It is resistant to woolly apple aphid, but very susceptible to collar rot.

Budagovsky 118 BUD 118

A Russian-bred rootstock that produces a tree slightly larger than EMLA 111 with precocity that exceeds EMLA 106. It is slightly susceptible to powdery mildew and crown gall and is recommended on dry, sandy soils, replant sites and for low temperature climates.

GENEVA® fireblight and crown/rot resistant rootstocks:

GENEVA® 'G.11' USPP #11,070

This M9-337-size root is very productive, showing higher yield efficiencies than many commercial roots, including M9 trials. Suckering is light and susceptibility to woolly apple aphid is moderate. It does not show resistance to replant disease.

GENEVA® 'G.41' USPP #17,139

This release from Cornell University's rootstock program is creating strong interest with growers. It produces a tree similar to M9 with better productivity. Branch angles tend to be naturally flatter and the selection is very winter hardy. It is highly resistant to woolly apple aphid and has shown tolerance to replant disease.

GENEVA® 'G.935' USPP #17,063

Released in 2005, G.935' is a dwarfing rootstock that is resistant to Fire Blight and Crown Rot and similar in size to M9-NIC29. It appears to have good graft union strength but given its heavy cropping, tree support is recommended. The rootstock is susceptible to woolly apple aphid, but has shown tolerance to replant disease.

GENEVA® 'G.202'

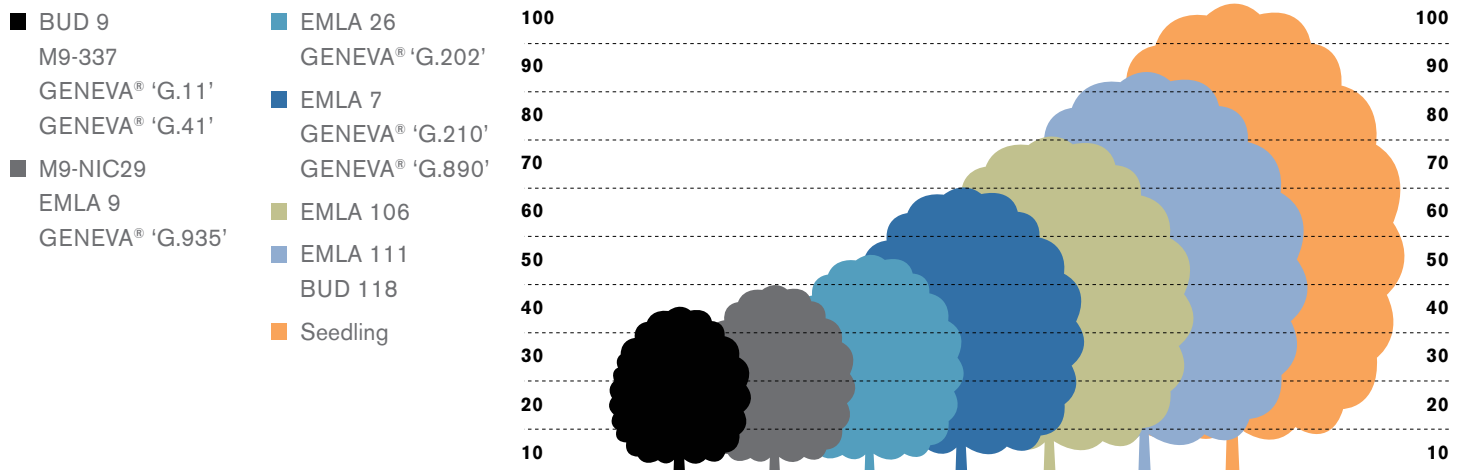
This EMLA 26 size root is highly resistant to woolly apple aphid. Extensive data has been collected in NY and New Zealand. It has shown tolerance to replant disease. Yields are better than EMLA 26 but not as good as GENEVA® 'G.935'. It would make a good choice for week growing scion cultivars.

GENEVA® 'G.890' USPP #23,327

A new release from Cornell University, this rootstock is similar in size to EMLA 7. It is replant disease tolerant and highly resistant to woolly apple aphid. It makes an excellent replacement for GENEVA® 'G.30'. Availability is very limited at this time.

GENEVA® 'G.210' USPP #23,337

Another new release from Cornell University, this high performing rootstock is one of the most replant disease tolerant rootstocks available. Its size is comparable to EMLA 7. It is also very resistant to fireblight and woolly apple aphids.



POST BUD PRICE LIST

	ROOTSTOCK	CALIPER	30	500	1000	5000
APPLES	EMLA 111 BUD 118 EMLA 106 EMLA 7	1/4"	6.78	6.22	6.04	5.87
		3/8"†	7.69	7.05	6.85	6.65
		7/16"	8.59	7.88	7.65	7.43
		1/2"	9.04	8.30	8.06	7.82
		5/8"	9.50	8.71	8.46	8.21
		3/4"	9.95	9.13	8.86	8.60
	EMLA 26 BUD 9 M9-Nic29 M9-337	1/4"	7.54	6.91	6.71	6.52
		3/8"†	8.54	7.84	7.61	7.39
		7/16"	9.55	8.76	8.50	8.26
		1/2"	10.05	9.22	8.95	8.69
		5/8"	10.55	9.68	9.40	9.12
		3/4"	11.05	10.14	9.85	9.56
	GENEVA G11 GENEVA G935	1/4"	8.04	7.41	7.21	7.02
		3/8"†	9.04	8.34	8.11	7.89
		7/16"	10.05	9.26	9.00	8.76
		1/2"	10.55	9.72	9.45	9.19
		5/8"	11.05	10.18	9.90	9.62
		3/4"	11.55	10.64	10.35	10.06
	GENEVA G41 GENEVA G214 GENEVA G202 GENEVA G890	1/4"	8.84	8.21	8.01	7.82
		3/8"†	9.84	9.14	8.91	8.69
		7/16"	10.85	10.06	9.80	9.56
		1/2"	11.35	10.52	10.25	9.99
		5/8"	11.85	10.98	10.70	10.42
		3/4"	12.35	11.44	11.15	10.86

	ROOTSTOCK	CALIPER	30	500	1000	5000
CHERRIES	MAZZARD MAHALEB	1/4"	6.78	6.22	6.04	5.87
		3/8"†	7.69	7.05	6.85	6.65
		7/16"	8.59	7.88	7.65	7.43
		1/2"	9.04	8.30	8.06	7.82
		5/8"	9.50	8.71	8.46	8.21
		3/4"	9.95	9.13	8.86	8.60
	GISELA® Royalty Additional \$1.70 Royalty cannot be included in tree price	1/4"	9.58	9.02	8.84	8.67
		3/8"†	10.49	9.85	9.65	9.45
		7/16"	11.39	10.68	10.45	10.23
		1/2"	11.84	11.10	10.86	10.62
		5/8"	12.30	11.51	11.26	11.01
		3/4"	12.75	11.93	11.66	11.40

	ROOTSTOCK	CALIPER	30	500	1000	5000
PEARS	OHxF 87	1/4"	7.54	6.91	6.71	6.52
		3/8"†	8.54	7.84	7.61	7.39
		7/16"	9.55	8.76	8.50	8.26
		1/2"	10.05	9.22	8.95	8.69
		5/8"	10.55	9.68	9.40	9.12
		3/4"	11.05	10.14	9.85	9.56

† Price includes #2Lg also

APPLE ROYALTIES (ADD TO BASE PRICE)		
Ambrosia® (Canada Only)	\$2.00	Morren's® Jonagored Supra™ .75
Aztec Fuji® DT 2 VARIETY	1.00	Mt. Blanc™ .35
Blondee®	1.00	Mt. Evereste™ .35
Buckeye® Gala	1.00	Morning Mist™ Fuji 1.00
Cameo®	.50	Pink Lady® Brand CRIPPS PINK CV 1.25
Chrisolyn® Jonathan	1.00	Pink Lady® Brand MASLIN CV 2.00
Cosmic Crisp™	1.00	Redcort® .75
Evercrisp®	1.00	Rising Sun® Fuji 1.00
Honeycrisp (Canada Only)	1.35	Royal Red Honeycrisp® 1.50
It® Red Delicious	.50	Ruby Jon® 1.00
Joburn™ Braeburn	1.00	RubyMac® 1.25
Jonastar® Jonagold	1.00	Snowsweet® 1.00
Kumeu Crimson® Braeburn	1.00	Ultima Gala® 1.00
Lady in Red	1.35	Zestar!® 1.00
LindaMac®	1.00	Brookfield Gala® .60

CHERRY ROYALTIES (ADD TO BASE PRICE)		
Attika®	\$0.20	Index™ \$0.75
Balaton®	.75	Kiona™ 1.00
Benton®	1.00	Kootenay™ 1.50
BlackIce®	1.25	Regina™ .75
BlackGold™	1.00	RadiancePearl™ NY 7679 1.00
BlackPearl™ NY 8139	1.00	Sandra Rose™ 1.25
BlackYork®	1.00	Santina™ 1.25
Blushing Gold™	1.00	Selah™ 1.00
BurgundyPearl™ NY 38L	1.00	Skeena™ 1.25
Chelan™	.75	Sumleta (Sonata™) 1.25
Cowiche™	1.00	Sumnue (Cristalina™) 1.25
Danube®	1.00	Tieton® 1.00
Early Robin®	1.00	WhiteGold® 1.00
EbonyPearl™ NY 32	1.00	

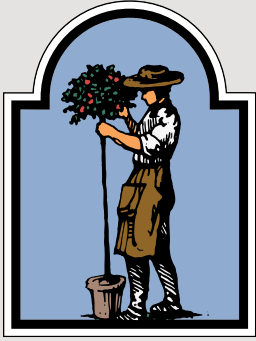
PEAR ROYALTIES (ADD TO BASE PRICE)	
Golden Russet® Bosc	.50

- Washington State Certification tax will be charged on all fruit tree sales.
- Boxing and shipping charges are not included in tree price.
- Prices shown are F.O.B. Ephrata, WA USA.
- Warranty not applicable for orders less than 10 trees.
- Add \$15 per tree for orders under 30 trees.

GET ADDITIONAL SAVINGS ON ORDERS OF 1,000 OR MORE TREES WITH A

Pre-Bud Contract

- Orders must be placed by the end of June.
- Deposit due by July 15th or pre-bud prices are forfeited.
- Contact our office or your sales representative for specific terms and conditions for contract growing.



Willow Drive Nursery

3560 Road 5 NW, Ephrata, WA 98823

Contact our office at 888-548-7337 or your local Willow Drive Nursery representative with questions or for additional information.

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