

EDIBLE FOREST GARDENS Ecological Vision, Theory, Design, and Practice for Temperate-Climate Permaculture

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Table 7.9: Approximate yields of selected forest garden fruits, nuts and berries. Yields per plant vary by age, variety, and rootstock, and by source of data; we offer the most common range; highest numbers mostly from Jeavons. Sources listed at bottom. Revised 1—07. Thanks to Ethan Roland of Applesed Permaculture for his help researching this update.

Species Name	Common Name	Harvest Season	Approx. Yield per Plant / Notes
<i>Actinidia arguta</i>	hardy kiwi	fall	5—10 gal; 50—200 lb
<i>Actinidia kolomikta</i>	super hardy kiwi	fall	5—10 gal; 50—200 lb
<i>Amelanchier alnifolia</i>	saskatoon	Jun—Jul	2,300—7,000 lb/acre with 810 plants/acre
<i>Asimina triloba</i>	pawpaw	mid Aug—Sep	1—3 bu; 10—15 lb; avg. 9 lbs at 5 years old
<i>Asparagus officinalis</i>	asparagus	spring	25—38 lb/plant; 2,600—9,500 lbs/acre monocrop
<i>Carya illinoensis</i>	pecan	late Aug—Oct —Jan	at age 10: 10—50; at 15—20 years: 75—100 lb
<i>Carya laciniosa</i>	shellbark hickory	fall	10 bu; crops every two years
<i>Carya ovata</i>	shagbark hickory	early Sep—mid Oct	4—6 lb at age 10
<i>Carya</i> spp.	hickories	fall	50—75 lb (25 yrs old, best varieties)
<i>Castanea dentata</i>	American chestnut	late Aug—late Nov	8—10 lb at age 10
<i>Castanea</i> hybrids	hybrid chestnuts	fall	at age 5: 11—18 lb; age 8: 13-44 lb; age 10+: 55—75 lb
<i>Castanea</i> spp.	chestnuts, chinquapins	fall	20—40 lb with trees at 20' x 20'; Jeavons: 56—240 lb
<i>Corylus</i> spp.	filberts, hazelnuts	late Aug—mid Oct	20—25 lb; Jeavons: 17-123 lb
<i>Cydonia oblonga</i>	quince	Sep—Oct	1 bu; in Australia: 220-330 lb
<i>Diospyros kaki</i>	kaki persimmon	Sep—Oct	1—2 bu
<i>Diospyros virginiana</i>	American persimmon	Sep—late Nov	1 bu; 15—20 lb at age 10; Jeavons: 26—103 lb
<i>Fragaria vesca</i> 'Alpine'	alpine strawberry	Jun—Sep	1/4 pint
<i>Fragaria x ananassa</i>	garden strawberry	Jun-Jul, Jun—Sep	June bearing: 1 pint; day-neutral: 0.4—1.6 lb
<i>Ginkgo triloba</i>	ginkgo	fall	8—10 lb at age 10
<i>Gleditsia triacanthos</i>	honey locust	late Jul—January	10—15 lb at age 10
<i>Juglans ailantifolia</i> var. <i>cordiformis</i>	heartnut	fall	8—10 lb at age 10
<i>Juglans cinerea</i>	butternut	mid Aug—late Oct	8—10 lb at age 10
<i>Juglans nigra</i>	black walnut	Sep—Oct	<10" dia: 20 lb; 15—26" dia: 47 lb; >26" dia.: 100 lb; Jeavons: 80—160+ lb

Table 7.9 Approximate yields of forest garden crops, Revised 1-07, page 2.

Species Name	Common Name	Harvest Season	Approx. Yield per Plant	Notes
<i>Juglans regia</i>	English walnut	late Aug—mid Sep	6 bu (large trees)	
<i>Malus pumila</i>	apple	late Jul—late Oct	10—30 bu; Jeavons: semidwarf: 112—225 lb; standard: 800—1,600 lb	
<i>Morus spp.</i>	mulberries	mid Jun—mid Jul	10 bu; 15-20 lb at age 10	
<i>Pinus koraiensis</i>	Korean nut pine	fall	4—6 lb at age 10; 90 lb/ac with trees at 30' spacing (49 trees/ac)	
<i>Prunus americana</i>	American plum	mid Aug—early Sep	0.85—3.4 lb	
<i>Prunus armeniaca</i>	apricot	Jul—Aug	dwarf: 1—2 bu; semidwarf (Jeavons): 36—144 lb; standard: 3—4 bu, 50—100 lb, at age 10: 15—20 lb;	
<i>Prunus avium</i>	sweet cherry	early—late Jul	dwarf: 3/4 bu, 11-33 lb; semidwarf: 1 bu; standard: 2 bu, 150—460 lb, 15—20 lb at age 10	
<i>Prunus cerasus</i>	sour cherry	mid Jul—early Aug	1—2 bu; dwarf: 11-33 lb; standard: 70—200 lb, 15—20 lb at age 10	
<i>Prunus domestica</i>	European plum	Jul—Sep	dwarf: 0.5—1 bu; standard: 1—2 bu, 40—180 lb, 15—20 lb at age 10	
<i>Prunus dulcis</i>	almond	late Aug—Oct	10—40 lb	
<i>Prunus persica</i>	peach	late Jul—early Sep	dwarf: 1—2 bu, 40—75 lb; standard: 2—3 bu, cling: 135-270 lb, free: 90-175 lb, 15—20 lb at age 10	
<i>Prunus persica nucipersica</i>	nectarine	late Jul—early Sep	dwarf: 1—3 bu, 25—50 lb; standard: 3—5 bu, 90—180 lb, 15—20 lb at age 10	
<i>Prunus salicina</i>	Japanese plum	Jul—Sep	dwarf: 0.5—1 bu; standard: 1—2 bu	
<i>Prunus tomentosa</i>	Nanking cherry		0.8—3.0 lb	
<i>Prunus x hybrid</i>	'Hall's Hardy' almond		8—10 lb at age 10	
<i>Pyrus bretschneideris</i>	Asian pear	Aug—early Oct	dwarf: +1 bu; semidwarf: 1—2 bu; standard 3—8 bu	
<i>Pyrus communis</i>	European pear	Aug—Oct	dwarf: +1 bu; standard: 2—4 bu, up to 400 lb	
<i>Quercus macrocarpa</i>	bur oak	Sep—early Oct	8—10 lb at age 10; can go MUCH higher!	
<i>Quercus x schuettei</i>	Schuette's oak	fall	8—10 lb at age 10; can go MUCH higher!	
<i>Rheum x cultorum</i>	rhubarb		3—4 lb; 6—12 tons/acre with 3,600—7,200 plants/ac	
<i>Ribes hirtellum</i>	smooth gooseberry	midsummer	4—6 qts	
<i>Ribes nigrum</i>	black currants	midsummer	3—5 qts; 10 lb	
<i>Ribes silvestre</i>	red currant	midsummer	3—5 qts; 3—10 lb	
<i>Ribes uva-crispa</i>	gooseberry	midsummer	4—6 qts; 8—10 lb	
<i>Ribes x culverwellii</i>	jostaberry	midsummer	4—6 qts; 12 lb	

Table 7.9 Approximate yields of forest garden crops, Revised 1-07, page 3.

Species Name	Common Name	Harvest Season	Approx. Yield per Plant	Notes
<i>Rubus occidentalis</i>	black raspberry	midsummer, fall	2—6 qt; everbearing: 2 crops	
<i>Rubus x hybrids</i>	blackberry	late summer	1—2 qt; 4—8+ lb per plant	
<i>Rubus x hybrids</i>	boysenberry	late summer—fall	4—8 qt	
<i>Rubus x hybrids</i>	dewberry	Jul—early Aug	2—4 qt	
<i>Rubus x hybrids</i>	raspberry	midsummer, fall	2—6 qt; everbearing: 2 crops; 1—2 lb/lineal foot of row; 1—1.5 lb/plant	
<i>Sambucus canadensis</i>	elderberry	early Aug—mid Sep	15+ lb; 8,600 lb/ac	
<i>Vaccinium angustifolium</i>	lowbush blueberry	late summer—fall	3—8 qt	
<i>Vaccinium ashei</i>	rabbiteye blueberry	late summer—fall	3—8 qt	
<i>Vaccinium corymbosum</i>	highbush blueberry	late summer—fall	3—8 qt; 3—12 lb	
<i>Vaccinium vitis-idaea</i>	lingonberry		1.75 lb; 2—15 tons/ac, 8,700 plants/ac	
<i>Vitis labrusca</i>	fox grape	mid Aug—fall	10—15 lb	
<i>Vitis rotundifolia</i>	muscadine grape	late summer—fall	8—16 qt	
<i>Vitis vinifera</i>	European grape	late summer—fall	10—15 lb; 21—41 lb/plant biointensive	

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Table 7.9 Approximate yields of forest garden crops, Revised 1-07, page 4.

Species Name	Common Name	Harvest Season	Approx. Yield per Plant	Notes
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<p>http://pubs.caes.uga.edu/caespubs/pubcd/C780-w.htm</p> <p>http://www.unc.edu/~rowlett/units/dictB.html</p> <p>http://www.daviesand.com/Papers/Tree_Crops/Northern_Tree_Crops/index.html</p> <p>www.agric.nsw.gov.au/reader/deciduous-fruits/h413.htm#Yields</p> <p>www.pawpaw.kysu.edu/slides/PP_Slide21.htm</p> <p>http://ohioline.osu.edu/b826/b826_4.html</p> <p>http://oregonstate.edu/dept/NWREC/rhubarb.html</p> <p>www1.agric.gov.ab.ca/\$department/deptdocs.nsf/all/agdex3464?opendocument</p> <p>extension.oregonstate.edu/catalog/pdf/pnw/pnw583-e.pdf</p> <p>www.pinenut.com/noha.htm</p> <p>http://www.wildwnc.org/trees/Gleditsia_triacanthos.html</p>				