

Results – Yield Comparison, Yield Changes Over Time 5 Years of Data - Average Nut Yields – lbs

Cultivar**	2008	2009	2010	2011	4 Year Avg Yield (lb)	2015 (age 16) lbs Mean
	(age 9) Mean	(age 10)	(age 11) Mean	(age 12) Mean		
Colossal ###	59	88	121	103	93	xxx
Qing	42	65	66	39	53	94.4
Amy ###	26	48	46	52	43	xxx
NC8 ###	16	54	42	---	38	xxx
**Eaton	29	32	39	31	33	76.1
Sleeping Giant	12	28	29	30	25	65.8
Homestead	13	26	24	10	18	46.0
Mossbarger	11	20	25	14	18	58.7
Willamette ###	5	17	25	22	17	xxx
OK-Kwang	6	14	26	13	15	44.2
Peach	5	18	16	16	14	70.4
Hong Kong	---	1	3	11	4	39.2
Gideon	2	9	4	20	9	48.2
Kohr	0	5	8	4	4	32.5
Rainfall (mm)	1433	1347	1390	982	774	

** By 2015 only 2 Eaton Trees were still alive in the cultivar trial

no data collected in 2015

Huge yield increases from age 12 to age 16

Chestnut Cultivar Trial Results

3 Year Average Nut Weight – grams, **plus 2015**

Cultivar	2009	2010	2011	3 Year Average grams	2015 Average grams	2015 yield in lbs
	Mean	Mean	Mean		Mean	
Qing	12.8	17.35	19.0	16.3	14.6	94.4
OK-Kwang	15.2	17.7	15.8	16.2	15.4	44.2
Peach	14.5	16.5	14.4	15.1	14.9	70.4
Mossbarger	14.4	14.8	16.0	15.1	15.1	58.7
Eaton	14.5	13.4	15.5	13.6	12.7	76.1
Colossal	13.9	15.6	11.5	14.5	xxx	xxx
Homestead	10.6	14.1	14.9	13.2	14.5	46
Sleeping Giant	12.0	14.2	12.3	12.8	13.7	65.8
Willamette	6.8	11.3	12.3	10.1	xxx	xxx
NC8	9.3	11.0	xxx	10.1	xxx	xxx
Amy	9.4	11.6	8.7	9.9	xxx	xxx
Hong Kong	13.6	15.6	13.6	14.3	11.8	39.2
Gideon	16.4	16.2	12.0	14.9	12.1	48.2
Kohr	16.9	15.7	17.3	16.6	17.1	32.5

- Cultivars averaging 15 grams or larger are jumbo in E. USA
- Bring highest prices in market

Chestnut Cultivar Trial Results

3 Year Average: Nut Yield (lb) - Nut Wt (g)

Cultivar (species)	Nut Yield lbs	Nut Weight grams	Comments
Colossal (ExJ)	92.6	14.5	West Coast and Michigan Favorite, Blight? IKB!!!
Qing (C)	52.8	16.3	Some delayed graft failure, best MO cultivar
Amy (C)	43.1	9.9	High yield, small nut size
NC 8 (C) [Campbell]	37.6	10.1	High yield, small nut size
Eaton (C)	31.6	13.6	Extremely delayed graft failure, reasons unknown Was a top favorite
Sleeping Giant (Cx(KxA))	24.9	12.8	Very consistent, high yields, good size
AU Homestead (C)	18.0	13.2	Drops within bur, OK yields
Mossbarger (C)	17.6	15.1	Nice chestnut, early
Willamette (CxA)	17.2	10.1	Major nut size decline as yields increased
OK-Kwang (K)	14.7	16.2	Very early to drop
Peach (C)	13.6	15.1	Beautiful chestnuts, low yields until age 16, late

Chestnut Cultivars: Nut Size Breakdown

Data from 2016 Harvest

Cultivar	Total lbs graded	lbs XL grade	lbs L grade	lbs M grade	XL percent	L percent	M percent
Mossbarger	62	37	24	0.7	60.1%	38.8%	1.1%
Sleeping Giant	96	92	3.8	0	96.0%	4.0%	0.0%
Gideon	124	117	7	0.2	94.2%	5.6%	0.1%
Auburn Homestead	58	40	18	0.3	68.2%	31.3%	0.6%
Hong Kong	46	13	29	4.3	27.4%	63.4%	9.2%
Peach	96	89	6.9	0.2	92.7%	7.1%	0.2%
Kohr	146	142	3.1	0.14	97.8%	2.1%	0.1%
Qing	135	120	14.5	0.5	88.9%	10.7%	0.4%