

NY Guidelines for Maximum Apple Cropload for Different Trunk Sizes (To Maximize Annual Production and Ensure Adequate Return Bloom)

Source: Dr. Terence Robinson and Steve Hoying, Cornell NYSAES

Trunk Diameter (inches)	Trunk Circumference (inches)	Trunk Cross Sectional Area (cm ²)	# Honeycrisp Fruit	# Fortune, Fuji, Golden Delicious, Jonagold, Mutsu, Spy Fruit	# Fruit Of Other varieties
0.5	1.6	1.3	6	8	9
0.75	2.4	2.9	14	17	20
1	3.1	5.1	25	30	35
1.25	3.9	7.9	40	48	55
1.5	4.7	11.4	57	68	80
1.75	5.5	15.5	78	93	109
2	6.3	20.3	101	122	142
2.5	7.9	31.7	158	190	222
3	9.4	45.6	228	274	319
3.5	11.0	62.1	310	372	435
4	12.6	81.1	405	486	568
4.5	14.1	102.6	513	616	718
5	15.7	126.7	633	760	887
5.5	17.3	153.3	766	920	1073
6	18.8	182.4	912	1094	1277
6.5	20.4	214.1	1070	1285	1499
7	22.0	248.3	1241	1490	1738
7.5	23.6	285.0	1425	1710	1995
8	25.1	324.3	1621	1946	2270
8.5	26.7	366.1	1830	2197	2563
9	28.3	410.4	2052	2463	2873
9.5	29.8	457.3	2287	2744	3201
10	31.4	506.7	2534	3040	3547

Based on no more than 5 fruit per square centimeter TCSA for Honeycrisp, 6 fruit per square centimeter TCSA for other biennial varieties (Fortune, Fuji, Golden Delicious, Jonagold, Mutsu, Spy), and 7 fruit per square centimeter TCSA for all other varieties.

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