

Maple Sap to Syrup Ratio Chart

How many gallons of sap make a gallon, a quart or a pint of syrup, by sap sugar content

ORGANIC BACKYARD GARDENING

organicbackyardgardening.com

SAP SUGAR CONTENT (BRIX)	GALLONS OF SAP PER GALLON OF SYRUP	SAP FOR 1 QUART OF SYRUP	SAP FOR 1 PINT OF SYRUP
1.0%	86 gal	21.5 gal	10.8 gal
1.5%	57 gal	14.2 gal	7.1 gal
2.0%	43 gal	10.8 gal	5.4 gal
2.5%	34 gal	8.5 gal	4.2 gal
3.0%	29 gal	7.2 gal	3.6 gal
3.5%	25 gal	6.2 gal	3.1 gal
4.0%	22 gal	5.5 gal	2.8 gal
5.0%	17 gal	4.2 gal	2.1 gal

The Jones rule of 86: gallons of sap needed for one gallon of finished syrup = 86 divided by the sap's sugar content in Brix (percent). At 2% sap that is 43 gallons per gallon; at 3% it drops to 29. A cheap refractometer or sap hydrometer tells you the Brix in seconds; without one, assume 2% for sugar maples early in the season. Finished syrup is 66 to 67 Brix. The online calculator does the math for any sap amount and sugar content.

Source and updates: organicbackyardgardening.com/maple-sap-to-syrup-calculator

Plan a whole bed for your frost date, free: planmygarden.com