LRHS 2014 WOTP's Maple Syrup



Preparation

Identify your maple trees*

Obtain the equipment needed to tap trees

Buckets, Taps,
Hammer, Cheesecloth,
Jars, Hammer, Drill,
Funnel, Boiler,
Thermometer,
Hydrometer, Ladle,
Snowshoes...



* It's easier to identify trees when the leaves are still on them.

We tapped 10 trees.



Tapping

- Needs to be a MapleTree,
- Southside,
- At least 1 ft.
 in diameter.



Tapping Trees 2.0 is for next year.



Nighttime Below Freezing + Daytime Above Freezing = Sap Flow!



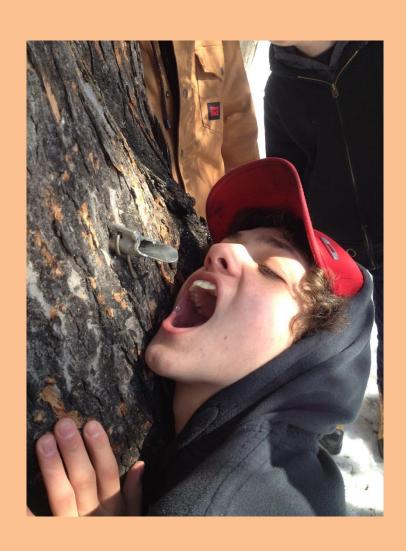
Recording Data

| 1 | А | В | С | D | E | F | G | Н | - 1 | J | K | L | М | N | 0 | |
|----|----------|----------|----------|----------|-------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|---|
| | Data | | | | | | | | | | | | | | | |
| 2 | Entry | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| | Tree | | | | | | | | | | | | | | | |
| 4 | Number | | | | | | | | | | | | | | | |
| | Tree | | | | | | | | | | | | | | | |
| 5 | Туре | | | | | | | | | | | | | | | |
| 6 | Diameter | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | Prior Night | | | | | | | | | | | |
| 7 | | Date | Time | Temp. | Temp. | Cloudy? | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | Bucket 1 | Bucket 2 | Bucket 3 | Bucket 4 | Bucket 5 | Bucket 6 | Bucket 7 | Bucket 8 | Bucket 9 | Bucket 10 | Bucket 11 | Bucket 12 | Bucket 13 | Bucket 14 | В |
| | How much | | | | | | | | | | | | | | | |
| 10 | sap? | ļ | | | | | | | | | | | | | | L |

Collecting Sap Verify density with hydrometer



Collecting sap?



Our favourite tree. Circumference is 75 inches.



Add small quantities of sap slowly and remove foam.



Boiling

It took more than 7 hours to boil 40 litres of sap to produce 1 litre of syrup.



Filter with cheesecloth



Syrup vs. Sap



Ratios

1 Bucket = 6 litres of sap

We need 40 litres of sap to produce 1 litre of syrup



Mmmm! Fluffy Pancakes!



Yummy!



End of season – removing the spouts



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