week2 High Fructose Corn Syrup - Some amount of glicose in corn syrup converted to fructose - ~42% tructose -> does not men fructose >olucise why >? Fractise is sneeter. less amount gives some sneetness, costst Solubility & Crystallization T1, solubility 1 TJ, mixture is supersaturated.

Crystallization is observed 8051 NB / 100m L mater Fr 3763 gala 653 Sicrose 200g (Glu+fry) + H2O Toud Glu+fry
invertsugar Invert Syrup Ballava sorbetin gopation besne selecta (cine tinn (05th) bayungstor. Bu da agrilar gli ve fru molekillerinin tetrarden sutroz strassini expelligio. Honey -) cius. Tr, solvi no cius. selverlenne olur. Water Activity determines shell life. Wa>o.b, molds grow in the nater.

-Sugar notecules bind mater, What, mater reportations \$0.6 Loss not men 9060 mater \$

-product composition (fet or no fet), sugar comp. (glu, fin --), not weight, temp, texture (exple potato de la yegan), humidity of env.

atress Sucrose - takes three to detect on the topue. Data uzun sire hatli Fruchese > Sneetness quickly, fedes 7 Corn syrup -> slow to to ste, half sweet of sucrose, Longer Fructose -> hener hay bo hip or te. Sueetness 100 phondales tentlers meshelemente sciss Sucrose 30-50 len llen llyor. Corn syrup 120 Fractore glucose 70 Sugar Alchel - Mit boliteriers bununte bestenenedjes som dig gegligena terer yk Emilini az. Gol tiletinde ishal. - Koronelize ve hahverenge shoz! Somelt -half wall of sugars -no toot is decay -does not stimulate release of insulin. Dogol -a sugar substitue -20-30g -> diorrhea Splenda / Sucralose has bulking agents -> 10.8 lecal - Artificial - 19 -> 3.364 cal, serving size - ¿Skeal means Okcal. -600 fires sweeter than sucrose.

fortone N200 thres sueeter then sucrose /Arhficial - Asperiched and phen a be found in ford based resources - Amino acid + phendeline And they for exceeds espectare - Con produce metheral. -) zererli. But the dose is possonus (127 con deg) Ace Sulfane Patassium - Blended with sucralize to decrease Litter taste of appartine - Col woll ver. - Not consumed by the body - Yarlislikla labda bulunugar. Sacchern -No every ~300, 400 Hres - metalic ofterteste. Stevia

- yetistigs gare, toprigo gare

Brown Sugar
- Due to presence of molosses (selectionis), reles)

Maple Sgrup

- Privarly sucrose with some glurose and fructise

- Conada

- 66% at least sugar

normal -> 140 colories, sugar (high fructise orn syrup) diet - O leal; Asportane zero -> O beal, either sucrolose, acesulfarete or ospertane ters & looks and tastes more like coca-cola diet of different blend of flavours, lighter. I first sugar free cola. Caranelization Sugar theat y coro--generally made with table sugar. successe -> 3 lucose + fractose -> new note onles new toste Sugar + water heat mother sugar

soled off

to protect from burning

prologs the cooking period -> more reactions -> more flower indication of overheating, stored in poor cond., higher age of honey.
-honey they is so-40mg HMF - It is both good and bad. To decrease scritity, pelmen toprago (20% corbonate) is added, not boiled 10-15 mm. Left for seperation of sediment 4-5 hours. Petrez Grape pelmer earth + terforce ocids -> decreese ocidity hosten de petres topress aliniyor. (Petres topress yogun lugu fozla)
-1921 acut yopulisa 400 ng HMF, vahunlu lintuda yopulirsa 35 ng HMF

Myths and Facts

Myth -corn syrup syntation	-Natural. Hydrolization of storch
- Com syrup and ballavo syrup is	-Alrost some
- fractose les 5 tarber like alcohol	- 6 corbons. Afkohols hove 2 corbons
- Ciger siste 3 y cosor	- Glycogen is depleted after sloughtering - Fou of them.
- All succtoners have 1 glycemic index	J- J-ew VI
- No cisk factor in honerede Jan	- Clastridium botolinum -> conned - Clastridium botolinum -> conned poods
Sugar free shee thy	apple Juice contains sugar too