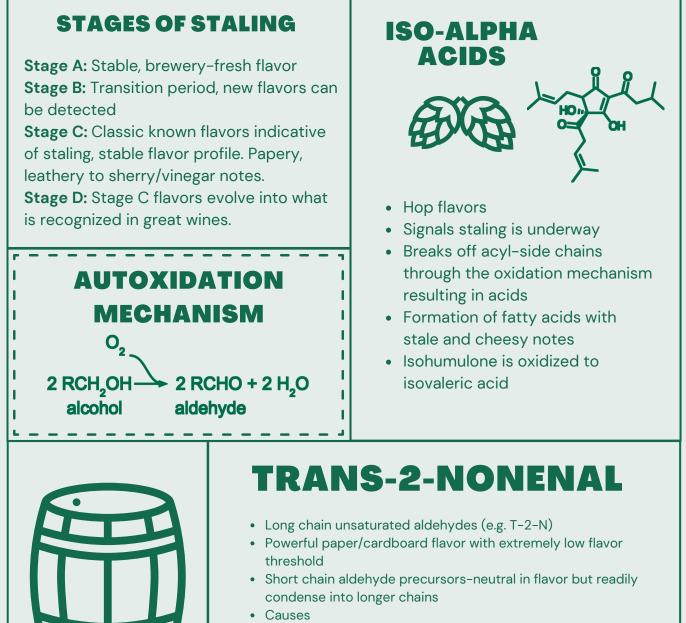
OXIDATION: CHEMISTRY AND PREVENTION

Oxygen, That \$&*! is everywhere -Tamir Danon, Novel Strand Brewing



- Oxygen during wort production
- Enzymatic oxidation from ingredients like malt and barley
- Can be slowed through bonding with sulfur compounds for a time from the yeast metabolism

METHODS OF PREVENTION BREWHOUSE PACKAGING

Methods of prevention in stainless

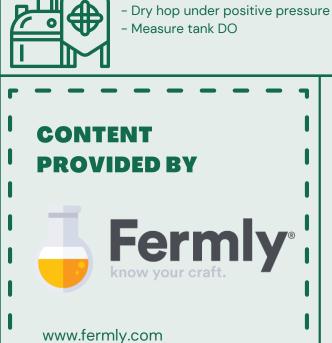
- Change gaskets once every 6 mo

Watch your brite tank purge SOP
Flush transfer hoses w/CO2

Methods of prevention in packaging

- Get a baseline for canning line DO
 - Balance BBT CO2 vs. foam at can
 - Replace clear tubing every 6 mo
 - Change out worm gear clamps
 - Measure canning DO often





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Say What?!

1 cubic cm of air in Denver, CO equates to 100 ppb of DO in a 1.7 BBL vessel.

Remember, O2 is everywhere, and the less you can have in your product, the better!

