

SAUS INDUSTRIES

A Limited Liability Corporation

Boon Setser, Trooper (Ret.), Biologist

Wade Wright, Biologist

BOON SETSER

- B.S. Neuro-Biology, CAL POLY POMONA- Chemistry/BMB Research
- M.S. Education with Distinction, WESTERN OREGON UNIVERSITY
- Administrative Certification, PORTLAND STATE UNIVERSITY
- Bi-Lingual (SPANISH)
- WORK HISTORY
 - 10 years SP ED/ Science Teacher
 - 6 Years Administration (AP, PRINCIPAL)
 - 9 Years LAW ENFORCEMENT
 - 3 Years LGPD (Patrol, NEO-SWAT, Detectives)
 - 6 Years Oregon State Police- Retired (Patrol, MRT, DT, PT, DRE, DRE Instructor)

WADE WRIGHT

- B.S Biology, Cascade College
- Molecular Biology/Genetics research
 - Bark beetle genetics
 - Bacterial Kidney Disease in salmon
- Work history
 - 28 years HS Biology teacher
 - 7 years instructor Eastern Oregon University
 - 13 years wildland firefighter/Current Engine Boss Quals

CANNABIS ERAD

Southern Oregon

- In 2021 alone, raids uncovered 1.8 million cannabis plants and 989,000 pounds of processed cannabis.
- One plant yields at least one pound of processed cannabis valued at \$1,000 to \$3,500.

Estimated Street Value: **\$2.78 Billion** in Southern Oregon alone.



CANNABIS ERAD

Raids of illegal cannabis facilities have several considerations:

- Eradication/destruction of product
- Officer exposure/SAFETY
- DUII Impact(s)
- Youth Access and DUII



Why we decided to attack this problem...

- ❖ To reduce the number of DUIs and fatalities in Oregon and beyond...
- ❖ To keep the men and women who serve our communities safe.
- ❖ To effectively and efficiently reduce the amount of Cannabinoids used for impairment.
- ❖ Reduce youth access to impairing substances (Oregon Health Authority)
- ❖ Reduce the possibility of impaired youth driving a vehicle.
- ❖ To reduce the social and environmental harms created by illegal Cannabis production.
- ❖ To ensure fiscal impact is experienced by those engaged in illegal Cannabis growth/cultivation/production.
- ❖ Because if we don't change the way we do things.....NOTHING CHANGES.

CANNABIS ERAD

Plants can be found in various drying stages.



CANNABIS ERAD

The amount of product is daunting.

Many questions are raised concerning what to do with all of the product.

Application of caustic chemicals could lead to health issues, water quality issues, and other environmental issues.



CANNABIS ERAD

Time was spent preparing the cannabis for destruction.

Soaked with water and Foam (FD-AFFF).

(Foam is associated with thyroid disease as well as testicular, kidney, and bladder cancers)

<https://www.usfa.fema.gov/blog/cb-021120.html>

Materials were salvageable.

THC would continue to be psychoactive.

The cannabis could be salvaged to produce other products.



HIDTA SEIZURE

3/13/22 DOUGLAS COUNTY

74 POUNDS GREEN BUD



MADGE/IMET

40 POUND SEIZURE FROM OCTOBER



IMET

IMET recently served a search warrant in Rogue River, OR. The suspect admitted to growing cannabis last summer and stated he planned to grow more cannabis this summer. He did not have any of the required licensing when he grew cannabis last year. The suspect had numerous text messages on his phone indicating he was selling cannabis out of state.

IMET seized 1,334 pounds of marijuana and eight weapons. The suspect was cited and released for possession, manufacturing, and distribution of cannabis.



WHITE CITY IMET

2,424 pounds of processed cannabis

48 immature cannabis plants that they were cultivating.



LAKEVIEW AREA COMMAND

On January 25, 2022, troopers assigned to the Oregon State Police, Lakeview Area Command stopped a 2020 Dodge Ram van for a speeding and lane usage violation on Highway 140W near milepost 89.

During the traffic stop, troopers obtained consent to search the van and inside they located 600 pounds of cannabis concealed in Home Depot boxes. Troopers were assisted during the investigation by members of the OSP Drug Enforcement Section-HIDTA Interdiction Team.



CAVE JUNCTION

On Thursday, June 23, 2022, the Oregon State Police (OSP) Southwest Region (SWR) Drug Enforcement Section (DES) team, assisted by the Josephine Marijuana Enforcement Team (JMET), served an illegal marijuana search warrant in the 600 block of Pinewood Way, Cave Junction, Josephine County.

As a result, 3,944 illegal cannabis plants contained in seven (7) large, industrial sized greenhouses, were located, seized, and ultimately destroyed.



A *Biological*/Primer

What is it?

How does it work?

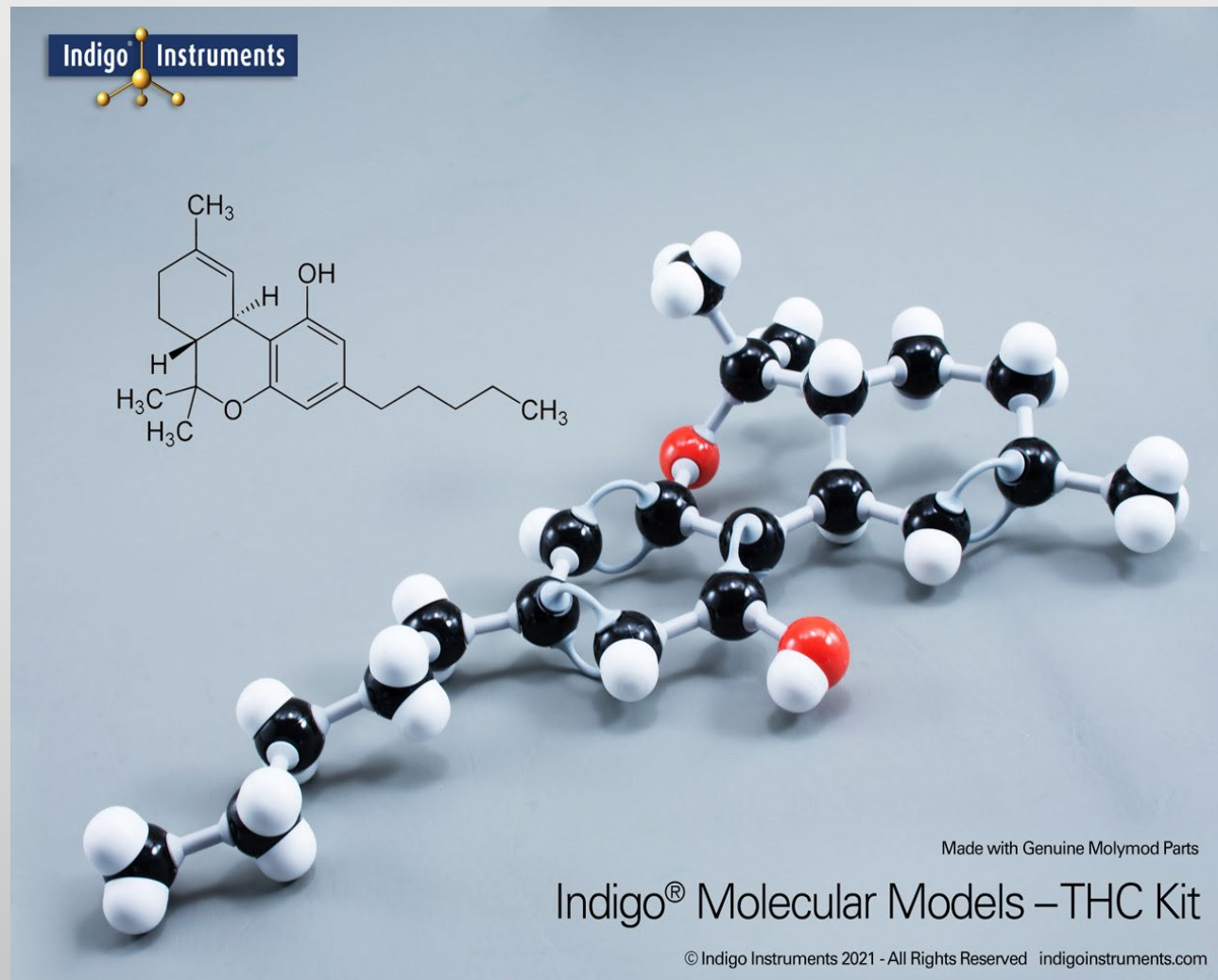
D9-THC

D9-Not the only psychoactive ingredient.

THC-A.

These components are
LIPOPHILIC/HYDROPHOBIC.

Since they are fatty, water and foam
(FD) do little in the way of
destruction.



“SAUS”

- ORGANIC compound.
- Non-Carcinogenic
- Biodegradable
- A search of scientific literature revealed that this a novel concept and approach to Cannabis eradication.

Mode of Operation

- ***PROPRIETARY Formula-*** Organic/Non-Carcinogenic- started as a *Bioorthogonal Chemical Agent* and evolved.
- ***Biological Anionic Surfactant-*** Rapid disruption to all biological membranes in Cannabis. Establishes an electronegative charge within the THC-A and D9 THC as well as other cannabinoid molecules. Breaks apart protein structures in cannabis and results in an irreversible destruction of protein function. Complex Carbon Alkyl groups penetrate the lipids in the THC/Cannabinoids and the deconstruction process is initiated.
- ***Oxidizing Agent-*** Through a series of organic chemical reactions, critical functional groups in all cannabinoid molecules and precursors are permanently disrupted.

Safety Information

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

- **Chemicals Known to the State of California to Cause Cancer:**

Our product does not contain any chemicals or molecules requiring a warning under California Prop. 65

- **Chemicals Known to the State of California to Cause Reproductive Toxicity:**

Our product does not contain any chemicals or molecules requiring a warning under California Prop. 65

- **Persistence / Degradability:** Our product is readily biodegradable with respect to European Commission criteria.

MSDS Information

None of the ingredients are listed

SARA Section 311/312 (Specific toxic chemical listings):

Immediate health hazard, delayed (chronic) health hazard, fire hazard, sudden release of pressure hazard, reactive hazard.

RCRA (hazardous waste code):

Ignitable waste, corrosive waste, reactive waste, toxicity characteristic waste
acute hazardous waste, toxic waste

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

Our product does not contain any chemicals or molecules required to be listed under CERCLA

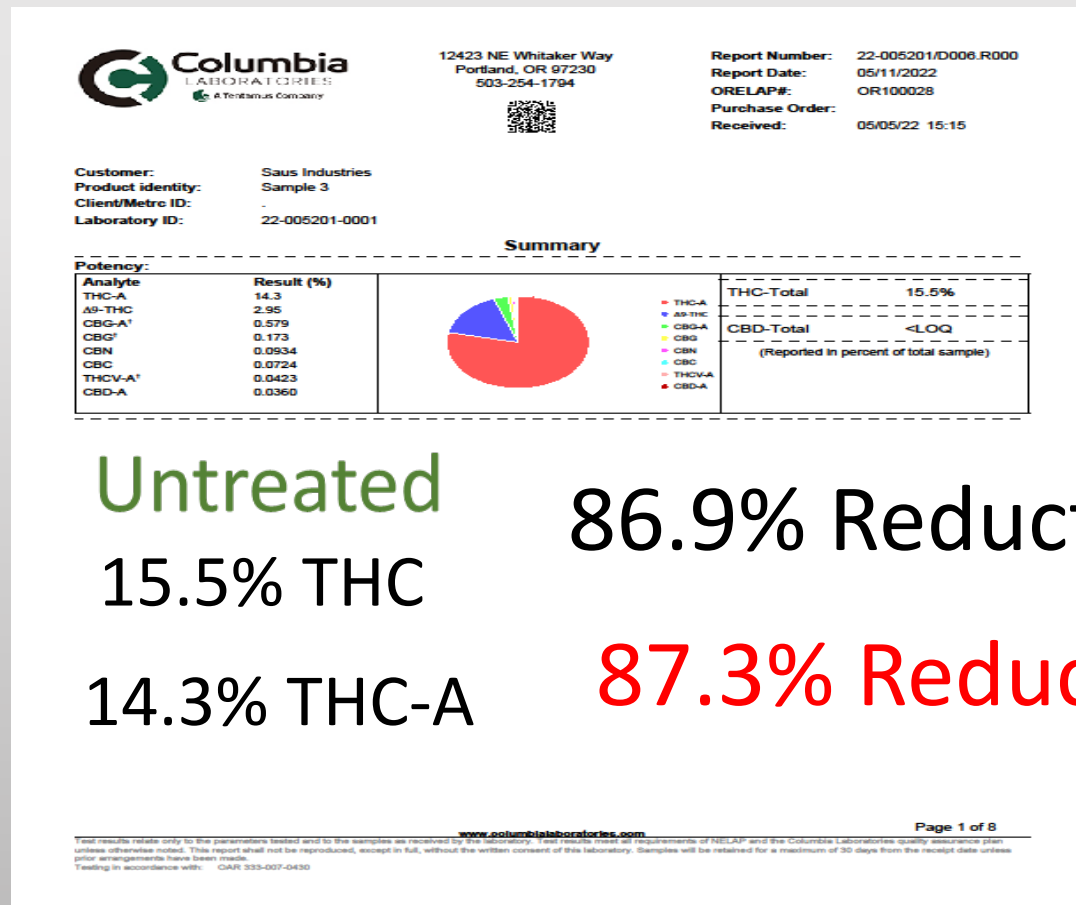
Ecotoxicity Persistence and degradability:

- Readily degradable in the environment. Research indicates complete biodegradation within 96 hours.

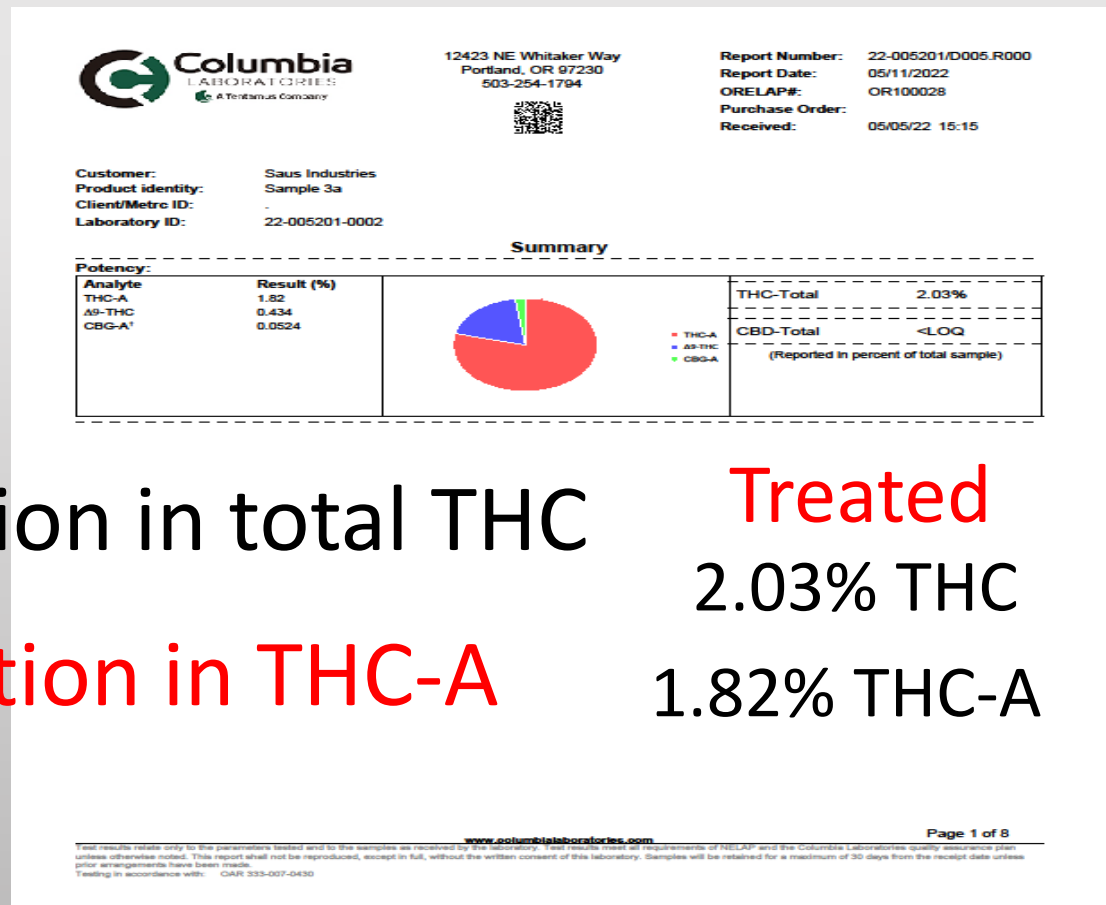
HOW EFFICACIOUS IS
“SAUS”?

TESTING RESULTS

SAMPLE 3

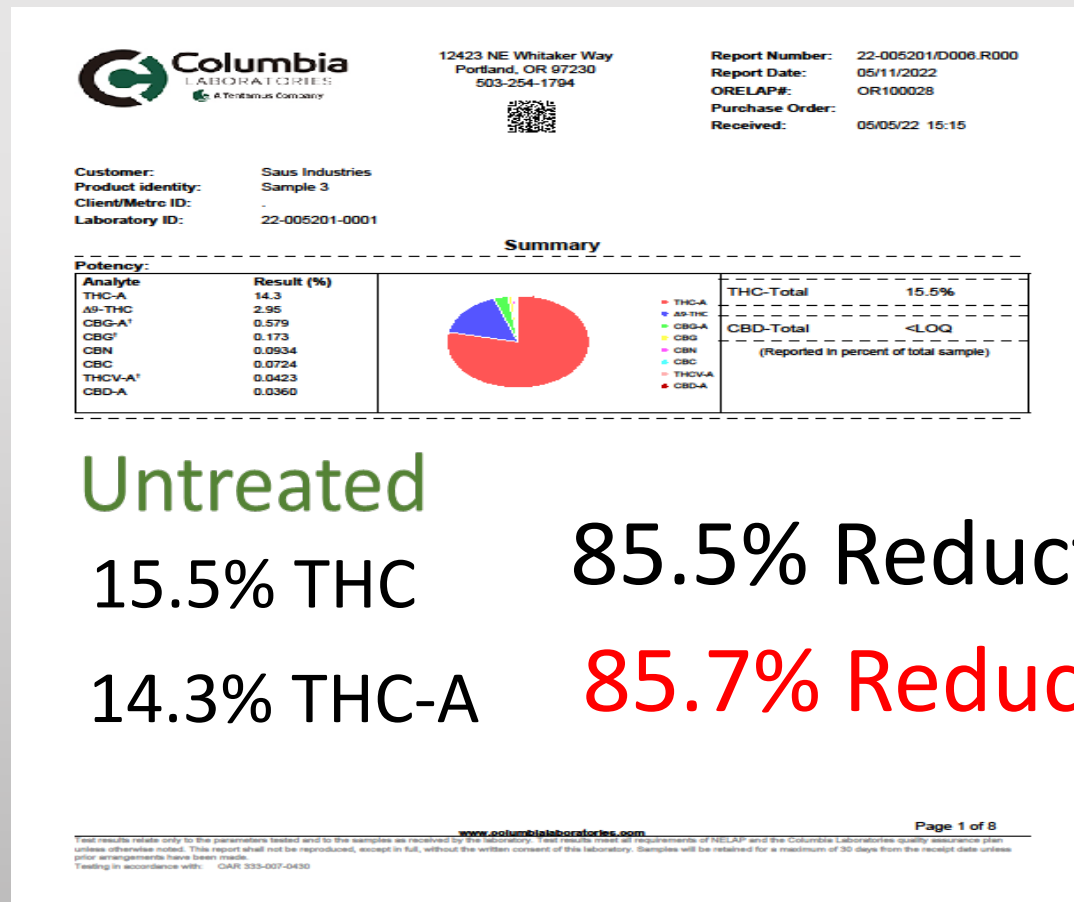


SAMPLE 3a

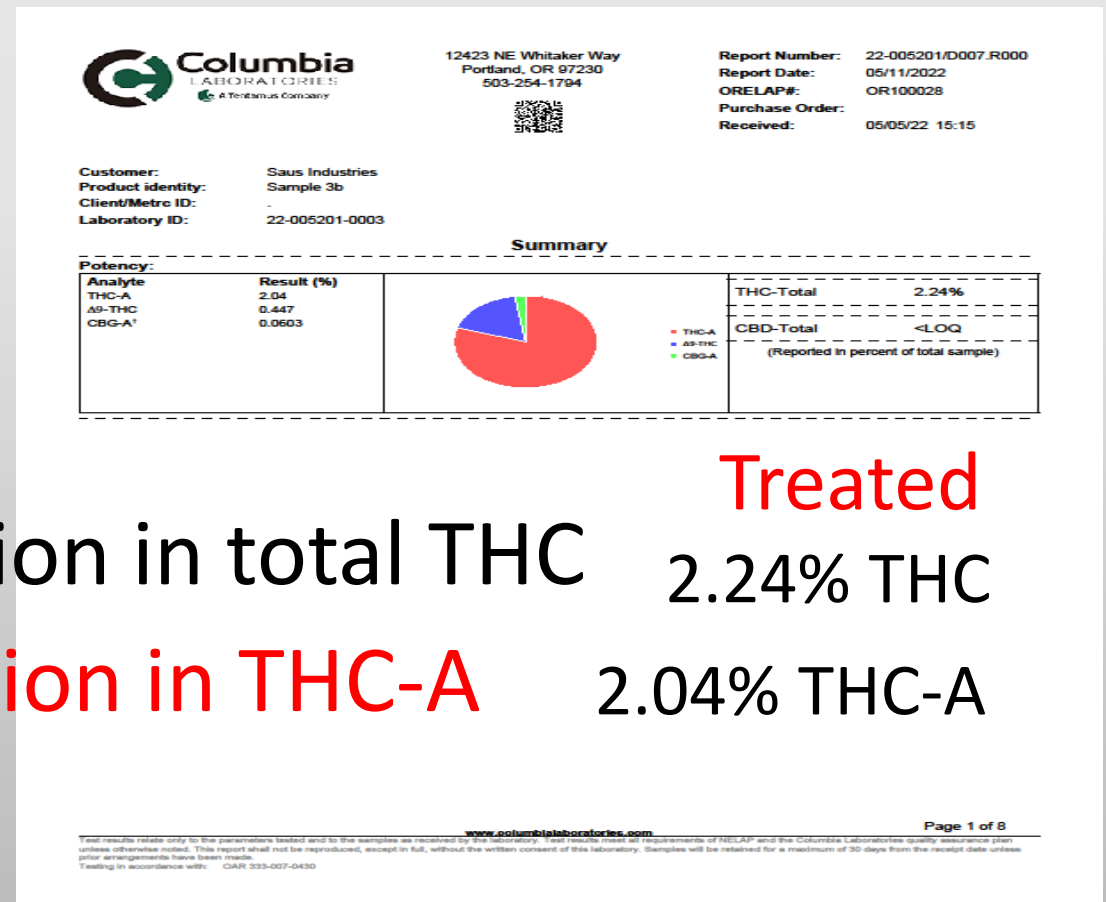


TESTING RESULTS

SAMPLE 3



SAMPLE 3b



LIVE SUBJECT TESTING

SISTER PLANTS- same batch/lot of seeds, related genetically, same age (Circa 2.5 months old).

One treated with SAUS, the other was not.

Plants were kept in the same environment.

Heated and Treated (Fertilizer, Grow Lights, Heating Conditions, and Water were all the same).

RESULTS...



TREATED/UNTREATED SUBJECTS:

Treated Plant: ADVERTISED
AS 17% THC

After Treatment: (Approx 30
ml, one-time treatment)

THC-Total 4.36%

**74.35% reduction in THC and
dissolution of all biological
functions (DEAD).**



POSSIBLE OUTCOMES:

- Reduces amount of impairing substances.
- Overall reduction in DUIs/Fatalities.
- Reduces youth access to impairing substances (most likely to engage in risk taking behavior like driving impaired).

MORE POSSIBLE OUTCOMES:

- Reduces the amount of illegal Cannabis for purchase and consumption:
 - 54.8% of 11th graders getting Cannabis from friends under 21YOA (45.3% declined to answer)-OHA
 - 16.7% of 11th graders got Cannabis from parents (with permission) (83.3% declined to answer)-OHA.
 - 7.4% of 11th graders obtained Cannabis from parents (without permission) (92.6% declined to answer)-OHA.
 - 9.1% of 11th graders obtained Cannabis from a DISPENSARY. (90.9% declined to answer)-OHA
 - If they are not getting the product from legal sources, where is it from?
 - Drug impaired fatalities are up (Cannabis/Meth/Fent)-GAC November report...
 - The nexus between DUII/FATALITIES and illegal Cannabis is complex at best, but it plays a substantial role.

SAUS INDUSTRIES, LLC
sausindllc@gmail.com

Boon Setser

• (503) 339-5845

Wade Wright

• (541) 975-3113

