

CANNABIS SUSTAINABILITY SYMPOSIUM

DON'T BE TRASHY: WASTE DIVERSION SOLUTIONS

Moderator: Amy Tancig-Andrle, L'Eagle Services

Panelists:

Ren Gobris, Cannabis Regulatory Solutions

Grant Parsons, Alpine Waste

Laurie Johnson, Colorado Association for Recycling

SESSION SPONSOR:





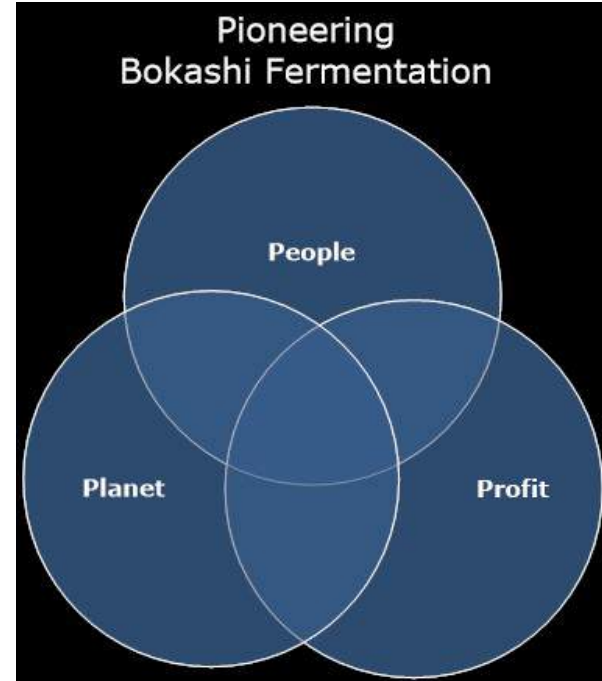
Advocacy, Education, Compliance

Ren Gobris,
Founder & Owner

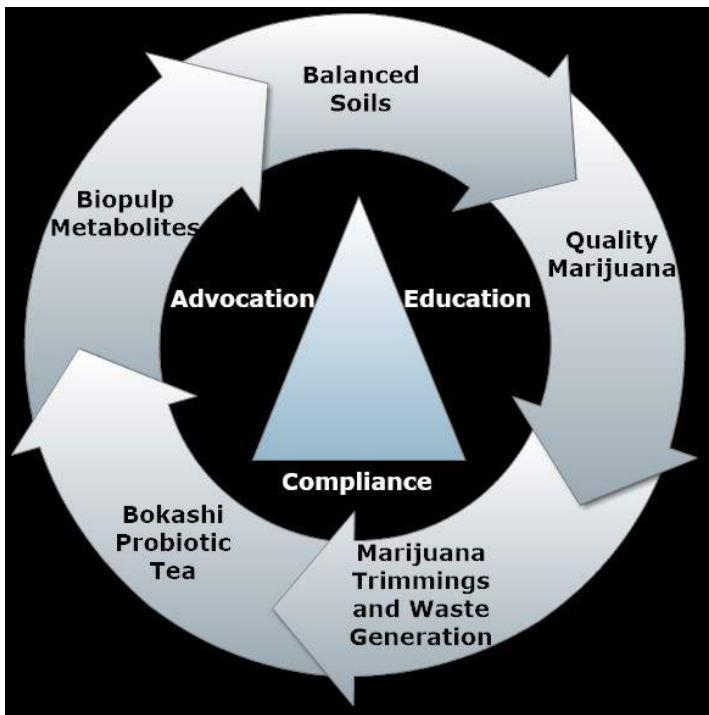
CANNABIS
SUSTAINABILITY
SYMPOSIUM

Ask
Bigger
Questions.

Cannabis Regulatory Solutions



CANNABIS
SUSTAINABILITY
SYMPOSIUM



Bokashi (Acidic Anaerobic) Fermentation



Bokashi Fermentation transforms marijuana waste into highly prized and valuable byproducts that will:

- Cost effectively help to reduce disease and the use of nutrients that are damaging to the environment.
- Enhance compliance to MED and CDPHE Marijuana Waste Disposal Regulations.
- Prevent diversions of marijuana (marijuana going where it shouldn't.)
- Ensure marijuana wastes don't needlessly go into the state's more traditional and less ecological waste disposal systems.

Bokashi Benefits

Attribute	Bokashi Fermentation
Decomposition Time	~ 20 days
Reduce Landfill Biomass	Yes
Requires Energy Tending	No
Contributes to Global Warming	No
Expensive to Implement and Support	No
Odor Problems	No
Attracts Pests	No
Technically Complex	No
Carcinogenic Byproducts	No
Ground Leachate Issues	No
Conserves Water	Yes
Easily Scalable Up or Down	Yes
Simple to Implement and Maintain	Yes
Capital Investment Intensity	Low
Labor Costs	Low
Land Use (footprint) Requirements	Low
Capital Reinvestment Requirements	Low
Operational Costs	Low
Nutrient Value of End Products	High
Current Regulatory Complexity	Moderate
Environmentally Friendly	Very High

Bokashi is 100% Natural. It is safe for people, good for the planet, and can improve business profitability.

A photograph showing a green industrial machine, likely a cannabis trimmer, positioned above a large blue barrel. The barrel is filled with green cannabis trimmings and stems. The machine has a white motor and various pipes and hoses. The scene is outdoors on a concrete surface.

At *Cannabis Regulatory Solutions*,
we're creating a paradigm shift
in the way the industry thinks about
marijuana waste. *Join the revolution!*

CANNABIS
SUSTAINABILITY
SYMPOSIUM

Waste Diversion and The Cannabis Industry



**CANNABIS
SUSTAINABILITY
SYMPOSIUM**

Opportunities for Diversion

A) Recycling

B) Organics

1. Compost



Recycling

- Plastics (#1-7 & rigids)
- Cardboard
- Fibers (paper, mail, etc.)
- Polystyrene

An advertisement for "ALTOGETHER RECYCLING™" with the slogan "Recycling Has Evolved." The background is a dark green wall. In the center, a large collection of various household and commercial items is displayed on a green surface, including cardboard boxes, newspapers, magazines, cereal boxes (Cheerios, CapriSun), cleaning products (Tide, LOROX), food items (Minute Maid, Bush's Beans), and plastic bottles. The Alpine Waste & Recycling logo is in the top left corner. At the bottom, there are two columns of text: "THE FOLLOWING ITEMS SHOULD NOT BE RECYCLED:" and "RECYCLING ADVICE:".

ALTOGETHER RECYCLING™
Recycling Has Evolved.

THE FOLLOWING ITEMS SHOULD NOT BE RECYCLED:

- Plastic Bags
- Plastic Shrink Wrap
- Ceramics
- Batteries or Light Bulbs

RECYCLING ADVICE:

- Flatten all cardboard boxes
- Empty all food and liquids

**CANNABIS
SUSTAINABILITY
SYMPOSIUM**

Organics

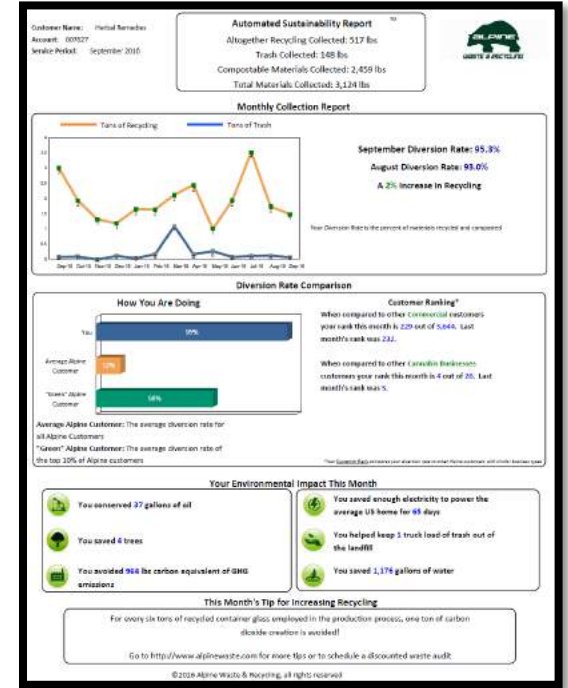
- Plant and soil wastes
 - Must be mixed with other shredded organic mix



CANNABIS
SUSTAINABILITY
SYMPOSIUM

Industry Diversion

- Current Average Alpine Customer = 12%
- Current Average “Green” Alpine Customer = 58%
- Current Average Cannabis Customer = 18%



**CANNABIS
SUSTAINABILITY
SYMPOSIUM**

THANKS!



**CANNABIS
SUSTAINABILITY
SYMPOSIUM**

Waste Diversion Solutions

Laurie Johnson, Executive Director Colorado
Association for Recycling

CANNABIS
SUSTAINABILITY
SYMPOSIUM



Colorado Association for Recycling

Mission To advance infrastructure, end markets, and state and local policies in waste reduction, recovery and diversion.

What we do

- Convene stakeholders
- Lead agency in executing infrastructure and end market ideas and projects
- Establish regional councils to solve local waste issues
- Monitor and support state and local waste reduction, recovery and diversion policy
- Facilitate CAFR member connections in order to increase waste reduction, recovery and diversion

**CANNABIS
SUSTAINABILITY
SYMPOSIUM**



Get Involved

Membership Involvement Opportunities

- Round tables
- Facility tours
- Annual Conference June 3rd-5th in Snowmass
- Annual Meeting
- Policy Committee
- Compost Council
- Regional Councils
- Volunteer positions
- Infrastructure and end market project assistance

Contact Information

Website – CAFR.ORG

Executive Director, Laurie Johnson

Email – Laurie@cafr.org

CANNABIS
SUSTAINABILITY
SYMPOSIUM

CANNABIS SUSTAINABILITY SYMPOSIUM

DON'T BE TRASHY: WASTE DIVERSION SOLUTIONS

Moderator: Amy Tancig-Andrle, L'Eagle Services

Panelists:

Ren Gobris, Cannabis Regulatory Solutions

Grant Parsons, Alpine Waste

Laurie Johnson, Colorado Association for Recycling

SESSION SPONSOR:

