

## A PARENTS GUIDE TO GROWING AND PROCESSING MARIJUANA IN THE 2000'S

James Henning  
Denver Police Department (Retired)

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## BUT JAMES, WHY DO PEOPLE GROW MARIJUANA?

- ▶ Hobby
- ▶ Save money
- ▶ Produce their own 'Medicine'
- ▶ For the Illicit market (which is booming)

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## HOW MUCH MARIJUANA CAN BE PRODUCED?

- ▶ How much can we grow in a 1000 square foot basement?
  - ▶ It is all about converting light into plant material
  - ▶ 30 to 65 watts of light per square foot
  - ▶ 1 gram of flower per watt harvested 4-5 times a year
  - ▶ So: 1000 SF x 50watts= 50,000 grams/111 pounds
  - ▶ 111 pounds harvested 4 times a year= 444 pounds!

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### But James, What will it be worth?

- ▶ Mexican Brick weed(3-4%THC): \$400 pound (\$177K)
- ▶ Colorado Grown MJ (17%+ THC): \$1200 - 1400Lb. (\$532K)
- ▶ Colorado Grown MJ on East Coast: \$3000+ Lb. (\$1.3 Million)

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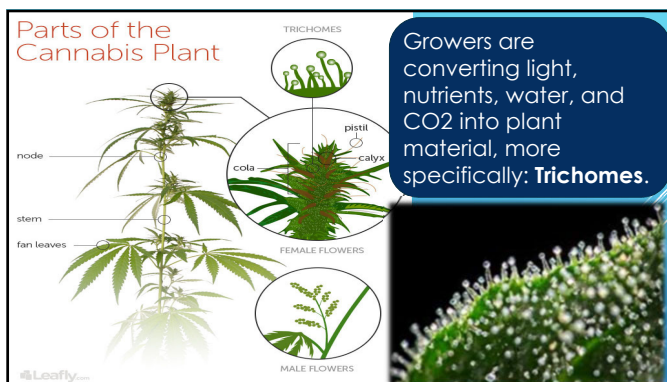
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### WHAT GROWERS NEED:

(MANY OF THESE ITEMS CAN PRESENT SERIOUS HAZARDS)

- ▶ Space
- ▶ Electricity
- ▶ Lighting (LED vs Halogen)
- ▶ Water
- ▶ Clones
- ▶ Pesticides
- ▶ Fertilizer
- ▶ Knowledge



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### INDOOR VS. OUTDOOR GROWS AND THE PLANT LIFECYCLE



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### START WITH MOTHER PLANTS AND CLONES:



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### Seedling/Vegetative Stage:

- 8-16 weeks
- 18 hours of Light



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## INTERNET DEALS



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These suspects make A LOT of money  
and they like their guns



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## HOW DO THE LICENSED PROS GROW MJ? -PRETTY MUCH THE SAME WAY

- More, but Smaller Plants:
  - Quicker to flower
  - Limits risks due to disease and pests
  - Provides flexibility for strain choice and market demand
  - Less vertical space required for multi-tiered set ups
- Sales are roughly:
  - 50% Flower (this was 90% in 2013)
  - 20% Edibles
  - 20% Concentrates
  - 10% Other
- METRC Seed to Sale Tracking (only as good as your monitoring and enforcement)

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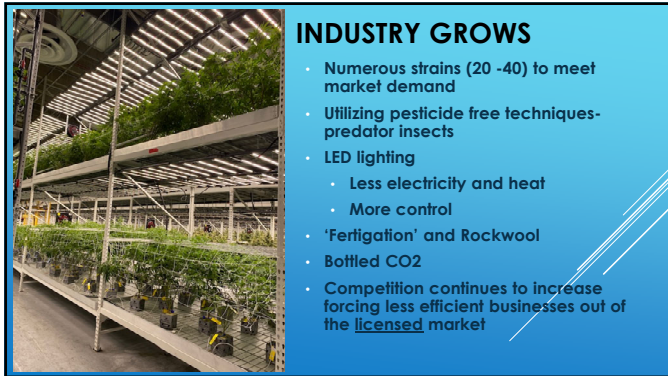
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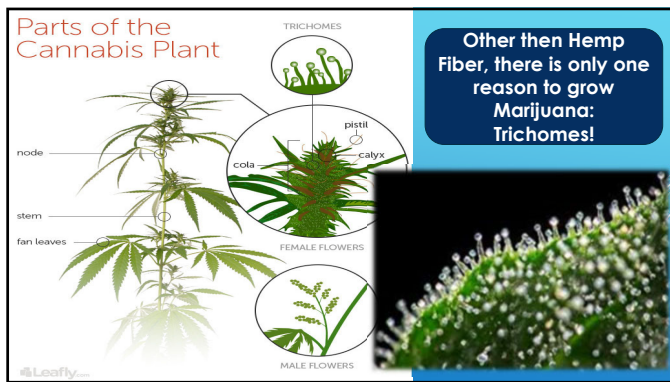
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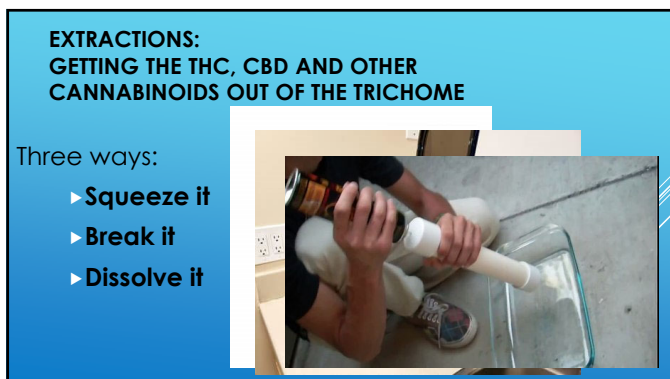
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## SQUEEZE OUT THE JUICE TO MAKE RESINS AND ROSINS

- Rosin- produced through heat and pressure to squeeze out the THC from plant material or trichomes
- Considered more organic and flavorful with more terpenes left in the substance
- Used for Dabbing
- Can be further refined to 90+% THC



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## BREAK OFF THE TRICHOMES:

Bubble Hash- trichomes removed from plant material using ice, dry ice, or liquid nitrogen for freezing- then sifted through a screen or meshed bag



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## DISSOLVE USING CHEMICAL PROCESSES:

Volatile Chemicals such as butane, propane, alcohol or CO2 to break open the trichomes and have the Cannabinoids flow out



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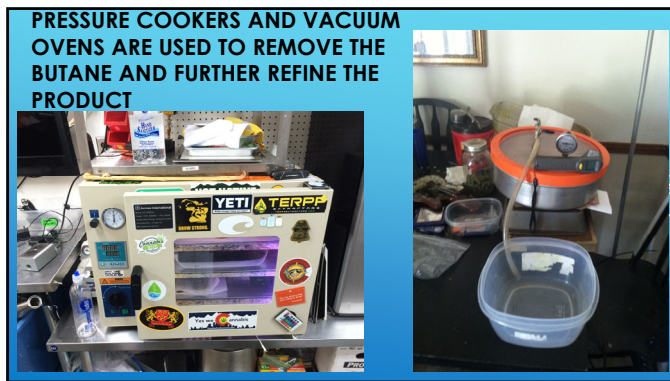
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**Short Path Distillation Process**

Making Full Spectrum CBD Distillate Oil With 10 Liter Short Path Distillation

Used to distill out byproducts, terpenes, and Cannabinoids. This is how the very high THC concentrations are achieved.

**Pathfinder Series - 2L Short Path - SPP-2L**

Price: \$ 8,595.69

Quantity: 1

Add to cart

Xtractor Prints

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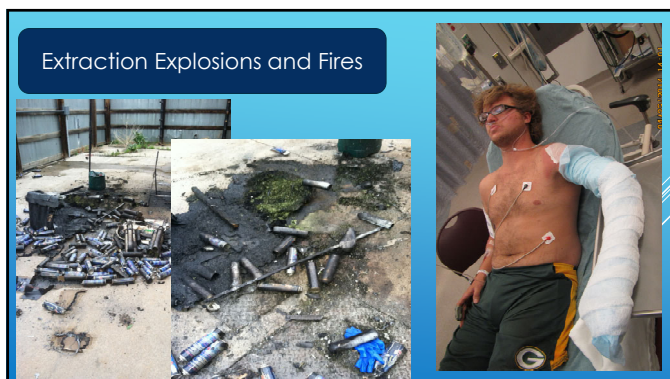
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## Extraction Explosions and Fires



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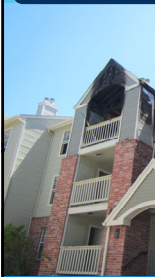
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## Extraction Explosions and Fires



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Go to Xtractor  
Depot for all your  
needs!

- Closed Loop systems cost from \$4000 to \$70,000
- They supply the equipment, knowledge, and supplies

The Titan 20 costs \$45,000



TITAN 20

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## A DRUG ENDANGERED CHILD DOES NOT CARE IF MARIJUANA IS LEGAL OR NOT:

**The National Alliance for Drug Endangered Children** defines drug endangered children as: children who are at risk of suffering physical or emotional harm as a result of drug use, possession, manufacturing, cultivation or distribution. They may also be children whose caretaker's substance misuse interferes with the caretaker's ability to parent and provide a safe and nurturing environment

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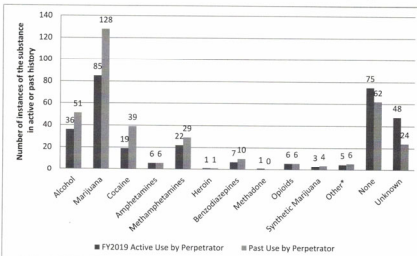
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FY2019 Child Fatality and Near Fatality Annual Report

Figure 11. Confirmed Child Abuse or Neglect Fatality by Substance Abuse by Perpetrator



\*Other includes lighter fluid, Kratom, ecstasy, marijuana and Benzodol

### TEXAS DEPT OF FAMILY PROTECTIVE SERVICES 2020 REPORT

- 235 confirmed cases of child abuse and neglect fatalities
- Increase in deaths due to drowning, vehicle related, and sleep practices
- 112 fatalities involved caregiver using or under the influence of at least one substance
- 85 of these involved Marijuana

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## Backyard Grow



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**DANGERS TO KIDS:**

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**DO NOT Forget the Kids:**

- Look for
  - Indications of children living in the home
  - Children with access to grows, chemicals, edibles, and weapons
- Unsafe conditions: electrical hazards, booby traps, and mold
- Signs of Neglect or Abuse
- **ALWAYS** consider children in your operational planning!



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COMMANDER JAMES HENNING  
DENVER POLICE DEPARTMENT  
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Do your homework:

1. YouTube: **How to Dab with Uncle Buck**
2. Let me know how I can help

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