

GROWING CANNABIS

**A Guide to Growing Marijuana Indoors
and Outdoors for Medical Use**



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Introduction

You have been reading in the news about all the states that are thumbing their noses at the federal government and are legalizing Marijuana and you are at least curious to see if you can make some money by making and selling Marijuana to the folks in need or to those who at least want to get high. Well in many states Medical Marijuana is now legal, and this book is all about how to LEGALLY sell Marijuana.

Now it is time for a huge disclaimer, you and you alone are responsible for determining whether in your state or region if Marijuana can be legally sold and any restrictions on product or use. Also at the time of publication, Federal law prohibits anything period to do with Marijuana and since it is listed as a Schedule 1 drug, (Right up there with Heroin, Crack, and LSD), jail time can be considerable and as it would be a felony conviction would result in the loss of voting rights, ability to own a gun, and will have definite negative effect of future employment or finding a place to live, you, the reader need to determine if you wish to continue.

Chapter One: What is Marijuana?

In this chapter you will learn:

- What is Marijuana
- How to best grow it
- When to harvest
- What to do with the harvested crop

You are interested in growing Marijuana but do not know anything about it, except how to smoke it. In this chapter, we will go into what makes up the plant, how to grow it, when to harvest, and then what in general terms, (Specific ideas will be listed in a further chapter), to do with your harvested crop. Again, you need to make sure that local laws and regulations are obeyed and if you need special permits to grow or sell Marijuana.

Marijuana is the same general class of plants as the Tomato and Potato. Like both of them, the leaves of the plant have some level of hallucinogenic effect when eaten, or smoked, (Bet you didn't know that). Like both of them, the flowers will produce some sort of fruit, (Anything that is the result of a flower as opposed to Celery or Spinach or Lettuce, that come from seed, and the Potato eye is actually a fruit). The difference between Marijuana and the others in this class is that the fruit of the Marijuana, known as a berry is very tiny and very inedible. All parts of the plant with the exceptions of the roots have some amount of THC, (The stuff that gets you high), though the biggest amounts are in the buds and leaves. A close cousin to Marijuana is Jimson Weed, which has been known since Colonial times as a plant to be boiled into a "Tea", which causes a person to have a serious hallucinogenic adventure, though Jimson weed has several bad side effects including excessive thirst, raised body temperature and increased heart rate and blood pressure that can lead to death, (Something that Marijuana is proven not to do).

Another related plant is the Hemp plant. While a very close cousin of Marijuana, Hemp contains no THC or anything else that will get you high. Hemp is better known for the shredding of the main stems to make flax for

ropes, (Prior to the 1960's it was the main ingredient in most ropes), or clothing.

While in a further chapter there will be a discussion on how to grow Marijuana, there are some simple rules to follow. Marijuana likes a full sun situation, with lots of underground water or at least moist ground. It likes to grow on well-fertilized ground or water, and its roots may grow up to a foot in the soil.

Harvesting occurs when the plant is full grown and the flowers are just starting to bud. In further chapter there will be a discussion of where the THC, (The compound that causes the hallucinogenic effect in Marijuana), is located, all leaves, smaller stems and the flowers are the main parts of the plant to harvest. Remember to keep your crop in airtight containers, and if dried substantially, use a food processor to grind into a loose powders or very small pieces.

Once you have harvested a crop, you need to dry it, not unlike most herbs like dill or sage. Marijuana can be smoked either in a bong. Pipe, cigarette paper, or just in a loose pile. It also can be ingested though it has a very bad aftertaste so normally it is put into a food with strong aromas and taste such as brownies or cookies, or by removing the THC from the leaves by brewing, it can be used in a compound butter. Trying to drink THC tea is an exercise in futility as it is extremely bitter and almost certain to cause the drinker to vomit almost immediately.

Chapter Two: How Does it Work in Humans

In this chapter you will learn:

- What is the blood/brain barrier
- What is a Lipid
- What does THC do in the brain
- Possible complications

You have decided to grow Marijuana and you are at least curious as to how it makes a person high. Get your notebook as you are about to launch on a college degree in Marijuana and the human. While some people will consider this too technical, (To them you smoke, you get high), it something you need to know in case you are taken to trial as you can try to plead you were trying to cure issues like chronic pain, Epilepsy, and other neurological issues.

To start we need to understand what THC, (Okay to be exact (6aR,10aR)-delta-9-tetrahydrocannabinol) is and what it does not do. THC is not easily soluble in water, (Hence the problem in making “Tea” with it), but does love lipids which a basic parts of oils such as cooking oil, grease and lard. THC is the reason you get high on Marijuana.

So how does THC get to the brain and get you happy? To answer this we need to look at the human brain. Basically your brain is a collection of cells that generate electrical impulses but are immersed in a bath of fluid that is mostly water, but contains other chemicals. Your brain cells communicate via neurotransmitters that send to each other one of 4 basic chemicals that tells the receiving cell what is going on. These same type of nerve cells are found in your spine, nerves and nerve endings and the electrical joint at the end moves muscles so you do some action. Now to protect the brain from infection and other stuff that could affect it, it is surrounded by Glial cells, (They are also found in the nerves along with a Myelin sheath which is a fatty substance that insulates the nerves). The Glial cells only allow water, simple sugars, lipids, and oxygen in and waste material out. Since the THC binds to the lipids, they pass through

the Glial cells and then join in the fluid and the THC forces the nerve cells to then hallucinate and slow down. The hallucination occurs because the THC causes random cells to fire without coordination with their neighboring cells which cause your brain to put different memories together to make the trip.

Okay after you get stoned and come on down by your brain returning to a normal pattern of activities, what else is it doing to your body? Your pupils dilate and it can cause a very temporary lessening of Glaucoma disease. This is less than 20 minutes in duration or less. The THC deposits itself into your liver, where it can reside in recordable amounts for 6 weeks, (That is why when you take a drug test you can pop hot for THC a month after your last joint). In your digestive track, it speeds up the passage of food from stomach onward and can help with nausea, (That is why you see people taking chemo use Marijuana or synthetic Marijuana issued by the government to not be sick.

People with serious chronic pain has been known to use Marijuana as the trip eliminates the pain. It also allows them while stoned and under properly trained therapists to put a positive memory in place so when the pain acts up they go to the pleasant memory and only use the Marijuana for severe chronic pain. Now while it is a non-narcotic severe pain reliever, there are too many people out there using pain, (Such as a hangnail or a slight sprain), as an excuse to use Marijuana as medicine when in truth all they want to do is get high.

From time to time there is research touting "Marijuana is addictive" and it shows reams upon reams of studies that seem to back up that idea. What most of the studies is the underlying issues a person that drove the person to Marijuana in the first place and they are using the Marijuana as a coping mechanism similar to using cigarettes, alcohol, sex, or for that matter shopping as other coping mechanism. In other words the Marijuana is no more addictive than the person who goes shopping to release stress, but much cheaper. The other studies claim that Marijuana is physically addictive, in the same way that Heroin, opiates, Meth, and other clearly dangerous substances. What these studies including in a major medical journal several years ago, that touted this based on a self-reporting study of people who were addicted to some substance. The study was later withdrawn, as since it was self-reporting that while the subjects claimed to only use Marijuana, it was very clear in a follow-up study that they were addicted to other substances. Also since there was no sampling of the Marijuana, it is unknown as to whether it was only Marijuana or like a lot of street level Marijuana, laced with other substances, (Dealers put other

things like Wood Alcohol, Embalming Fluid, PCP, and even Meth in it to increase the high and therefore their sales). Needless to say unless you know how the Marijuana was grown and who had their hands on it before they the consumer gets it, you cannot be sure what you are getting or how safe it is.

Now a serious topic needs to be addressed here and that is what happens when get stoned and why it is important that you stay in a very safe location while under the influence. Driving a vehicle while stoned is no better than someone who drives drunk. In other words your bad driving can cause injury or death to someone and that is something no one needs on their conscious. Also driving under the influence is a serious crime, and to put it nicely jail sucks, so it is advisable to stay somewhere safe until sober. This also applies to operating machinery, using most power tools, or even carrying objects. In addition if stoned at work, you are almost guaranteed to lose your job and will have a difficult time trying to get another one with a history of substance abuse and unemployment sucks as bad as jail.

Another thing to remember Marijuana is grown with a bush and other "Marijuana" such as K2 or Spice are chemical concoctions, and while they might get you high, they are extremely dangerous as they can raise body temperature, blood pressure, heart rate, and most importantly free up Testosterone so that the person can be very aggressive to the point of starting fights or attacking people without provocation or warning.

Chapter Three: Growing it Outdoors

In this chapter you will learn:

- How to grow Marijuana in a garden setting
- How to use fertilizer correctly while growing it
- A Proper Watering schedule
- How to help Pollination to make the buds grow faster and carry more strength
- How to dry it for maximum effect of the THC

So you are interested in growing Marijuana for yourself and your friends and have no intention of selling or you decide to make a business for yourself selling medical Marijuana, and you have a garden spot in your backyard you want to use. Okay you have started with a good thought, but you need to gather more information before you turn over the first shovelful.

The first and most important is in knowing your local laws and regulation about the legality of Marijuana, in your area, but more importantly the laws of regulations of running a business in your home, and any zoning regulations about a garden. Failure to not knowing your local regulations can lead the closure of your business, heavy fines and possibly jail time, (And remember jail sucks).

You have checked out all the laws and regulations and you are legal to create a garden and operate a business out of your home. Now you are ready to lay out a garden and to save your back you are going to make a raised garden using old railroad ties or treated wood 2 by 4's. After you have marked out the outline of the garden and you have removed the other grass to create a basic area of dirt. Lay down a 2-inch layer of sand over this dirt and using a roller tamp it down. Next using readymade concrete, and the first layer of wood pour a 2-inch layer of concrete and with the wood leave a few small gaps to allow drainage.

Continue building up the wood until you reach the height you are looking to have. Next in the hole you have created, fill up half of it with river stone or pea gravel. Next run water lines over the rock and add

extensions so the top of the pipes are about an inch below the soil. Put soaker caps on these pipes as this will be your drip irrigation. Next in wheelbarrows mix equal amounts of high Ammonium Nitrate fertilizer, Peat Moss, and additions food grade grow powder or chemicals, (Look for ones that are safe for vegetables as the others may contain material that will cause you to be very sick if ingested). Put this into the hole in the garden. Finally take some seeds and plant them. Use the soaker, (Your water feed), to keep the ground moist, (You want moist instead of soaked or underwater). Outside of that, lots of sun and at least 60-degree air temperature, and you are growing Marijuana.

When the flowers start to bloom you need to help it with cross-pollination. Take a simple cotton swab and take the pollen off the Stamens, (The male part of the flower), and insert them by shaking them on an Ovule, (Female part of the plant), of a different plant. Or if you want some free honey and live far enough out in country, you could have bees and a beehive do the job for you, and at least in theory you could have honey with some level of THC in it.

You have a couple of choices after impregnating the flowers, one is to let it go until seed and having next year's seeds, (Providing you do not have year round nice weather), as your plants will die in cold weather, or when the buds form, harvest the leaves and buds from the plant, (And depending on your weather, you could have two to three harvests from a plant in a year). When you are ready to shut down your garden for the winter, you pull the entire plant and take the roots and base of the plant to your compost pile, (Neither have much THC). The next year add the compost pile, more high Ammonium Nitrate fertilizer to your garden bed and using a garden fork, mix them into the existing soil, plant your seed, moisten the ground and off you go.

The material that you harvested, needs to be dried before use. You could use a patio for a large amount of material, by just putting out into the sun for several days until dry. The disadvantage of this is that you have your material out in the open, available for anyone to grab or any of the local animals adding to the material by going to the bathroom on the material or getting themselves hurt by eating some and getting stoned.

The indoor and faster way is to just grab a hair dryer, put it on high and blowing the hot air on the material, until dry. In either case to preserve their freshness, store the material in airtight jars or containers and only open when you are ready to use some.

Chapter Four: Growing it Indoors

In this chapter you will learn:

- What is a grow light
- What is Hydroponics and why it is a good choice
- What kind of soil to grow them in
- The ideal Temperature to grow them in

So as you see from the bullet points above this chapter is dedicated to growing Marijuana indoors. You may choose to do it because the outside environment is not suitable for growing things, you are concerned about kids, animals and neighbor rooting through and helping themselves, or there may be issues with law enforcement. Again, it is up to you the reader to determine the legality of Marijuana in your area and if it is illegal, grow it at your own risk, and make a large donation to NORML, (The National Organization for the Reform of Marijuana Laws).

As you see indoors does not have a lot of light and that is why lamps and lightening are priority for a person to use a building of some sort. So using natural sunlight is out unless you are growing Marijuana in a greenhouse, you are going need some sort of specialized lighting for the Marijuana to grow. And if you are using a greenhouse, you would need to keep it locked for most of the same reasons as to not grow it outdoors and greenhouses are clearly visible to the police and all they need for a search warrant.

The easiest and cheapest way to do this is neon grow bulbs stationed over the plants. Basically you could leave them on all the time, but a 12 hour on and a 12 hour off cycles is best for any plant. Up from this is high-intensity bulbs with a 6 hour on and 6 hour off cycle as this is closest to natural sunlight. Now the problem with this is your electric bill soar as you try to grow Marijuana. In states with laws against the use of Marijuana, most electric companies will inform the local police of a building with excessive use and this use can and often does becomes the basis of a search warrant.

Hydroponics is a way of growing plants by use of water, (Ergo the Hydro at the front of the word), and not growing in any soil. Since plants need nutrition such as fertilizer and minerals, these are dissolved in the minute in smaller amounts that is normally used with ground growing your plants. This water is circulated via a pump system to gently water and fertilizer past the plant's root system and to keep the water agitated enough to keep the fertilizer in suspension in the water and not at the bottom of the tub or pool used to grow the plants.

There are several cautions about using Hydroponics to grow anything. The biggest is that the water used for making the plants grow, is non-potable which means you cannot drink it. This could cause serious medical issues or even death. The second is the humidity as when the water evaporates, it goes into any drywall or carpet it can find and cause mold which is also dangerous to humans and pets. In addition this evaporate contains elements of the fertilizer used and this also goes to the walls, floors and even other rooms and if enough is spread out you could be looking at that building being declared a chemical hazard site and you get to absorb all of the cost of the demolition, teardown, hazardous waste site dumping fees, legal costs and any lawsuits filed. Finally there the simple issue water meeting up with the electricity from the grow lamps and either destroying your electrical system, starting a fire or getting someone electrocuted. So the best location is somewhere with either a tile or brick interior located on a bare cement floor with several drains installed.

The other alternative is to use fertilizer and potting soil in pots underneath the glow lamps. Like outdoor growing, you want to be very liberal with the use of it. You would want to put river rock or small stones up to 1/3 of the way from the bottom. This is followed with a potting soil/fertilizer mix to about one inch from the top. Like outdoor gardening you need to keep the plant and soil moist. The same cautions though to a smaller extent of Hydroponics still exist. There will be possible runoff from the bottom of the pots or just the moisture evaporating.

Chapter Five: Usage

In this chapter you will learn:

- How to roll a joint
- How to make Marijuana brownies
- How to make Marijuana compound butter
- How to make Marijuana chewing tobacco
- How to make clothing from Marijuana
- How to Insulate your home with Marijuana
- What is Honey Oil and why you should never, ever try to make it

From the title of this chapter we are going to describe how to use your Marijuana that you have grown. Once again it is important to determine if you can legally use Marijuana and if you cannot, do not use it, it is a crime and jails and criminal records suck. The folks attached to this book again remind you that we are not responsible if your break the law, we have warned you not to and are not responsible for your actions.

One of the easiest ways to get the effect from Marijuana is to burn it in some way and inhale the fumes. Now, one of the easiest is to stick it in a pipe and fire it up. The problem with this is that marijuana tamped down into a pipe will not be able stay lit and will clog the stem. Also a good deal of the smoke goes up and of the bowl and into the air. An alternative is to use a bong which is like a pipe except the smoke is run through a water chamber of sorts and this cools the smoke and makes it easier and most bongs have some sort of close system so that all the smoke is inhaled and none is lost from the fire bowl. The downside to this is that bongs are not small items and you need to use fresh water to keep it running right.

So if we are going to smoke it, we need to a way to inhale it without a lot of fuss or bother. Now some people prefer making a blunt in which you get a small flavored cigar, hollow out the tobacco and insert the Marijuana and then light them up. There are a few problems with this as this is not cheap to buy the cigars and it makes a mess removing the tobacco and this makes them not a real good alternative. So we are down to rolling and smoking a joint. For this you need Marijuana and some

rolling papers and an optional rolling machine. To make this easy lay a rolling paper on a flat surface and if you want a larger joint lick another paper to it. Take your Marijuana and place it on the rolling paper leaving a 1/8 of an inch barrier at the sides. Your Marijuana should be pressed slightly into the paper and then you roll it in a cylindrical shape and when the rolling is finished, lick the glued edge onto the paper and twist the sides to keep the Marijuana inside the joint, when it is lit. Light it up and inhale and enjoy.

Now with any burning of Marijuana has one very bad side effect, it stinks and this stink goes into clothes, walls, rugs and stays there. It can be offensive to others and is a telltale sign that Marijuana has been smoked, (That is how most cops during a traffic stop know that a driver may be impaired). So the most of the rest of this chapter is dedicated to the consumption of Marijuana without smoking it.

Now the easiest way to do this is to hide it some sort of substance and consume it. Now Marijuana has a very strong taste that by consuming it raw will cause you to vomit just like the THC tea mentioned in a previous chapter. The easiest way to find some sort of food that will cover the bad taste and not get into the way of the THC. One of the easiest way is prepared brownie mix in which you put the Marijuana into the dry mix and then prepare it following the instructions and bake it. The chocolate flavoring hides the taste of the Marijuana and also aid the digestive system in a similar fashion as the THC does, (And that is why this is the favorite of chemo patients as it allows them to hold their meals down and not vomit it up). Less successful in hiding the taste are Blueberry muffins, cornbread, and making your own Raisin bread, through a make a break with lots of Rye oil for the flavoring can be somewhat successful. Don't like the prepared Brownie mix, no problem make your own. For this use 2 cups all-purpose flour, 3 tablespoons of baking powder, a can of chocolate sauce, (And for this use the name brand, the off brands do not taste as well), a cup of whole milk and a half cup of sugar or your favorite sweetener, (Remember the chocolate sauce has sugar already in it).

The next way will allow you to use Marijuana is to make it part of a compound butter. For this you will need a food processor or a blender. Soften the butter to room temperature, put it in the food processor with the Marijuana, blend it, put it into airtight containers, put it back in your refrigerator, and then use it like you would with butter. Remember the food you use it in, will hide the flavor to a point. A typical use would be making oatmeal raisin cookies as the raisins and brown sugar in the mix will help hide the taste.

Another way to use Marijuana is a takeoff of the blunt cigar mentioned earlier. For this you will need flavored chewing tobacco and you mix equal parts Marijuana into it then use it like you would use any other chewing tobacco or snuff.

You can use the stems and main trunk of the plant similar to the way you can use Flax to create threads which can be weaved to make clothing similar to linen. This can then be used to make clothing, table clothes, or napkins. Remember there still is some THC in the main trunk and stems, so you may get a contact buzz from it when wearing the clothes.

Now onto something you should never do and that is to make Honey Oil. Honey Oil is also known as hash oil is a concentrated level of THC in liquid form. While this sounds great since it is liquid, creating it is very dangerous. For your protection, there will be no exact details on how to make it outside to say that one step requires the user to put butane gas in a sealed container and heat it and the Marijuana. This is extremely dangerous because butane gas when heated expands and in the sealed container is not properly closed or if the vessel or container cannot handle the pressure buildup, the butane will leak and once it hits the flame it will rapidly explode leading to serious burns or death. Seriously, this is not worth it as like jail getting serious burns also sucks.

Chapter Six: Do's and Don'ts

Do:

- Make sure that it is legal for you to possess and use Marijuana. Remember in many states Marijuana is still illegal and the Federal government still also considers it illegal
- Research on how to grow Marijuana. This book is only a first step in that research.
- Make sure you have either good soil with a high Ammonium Nitrate content or your hydroponic tank has also a level of fertilizer.
- Make sure that where you are growing Marijuana is able to without hurting yourself or others. Living in a house that has extreme amounts of mold from growing Marijuana in the basement is not a good thing long or short term.
- Do some experiments in what you like in food or THC intake. In simpler terms figure out how to make the best Brownies for you.
- Keep your dried product in airtight containers so that the THC does not lose its potency
- Not operate a machine or a vehicle while under the influence of THC. Jail sucks and more importantly killing or hurting someone sucks even more and will last a lifetime.

Don't:

- Use, possess, or even plan to have anything to do with Marijuana if it is illegal where you live. If legal in the area you live make sure you have all the needed permits.
- Just decide without research to go grow Marijuana as you can affect the environment or worse hurt or kill yourself or those close to you from toxic mold or drinking polluted water.
- Plant without some sort of fertilizer being used. Marijuana does not like soil that is not properly treated, will not grow as well just moving water just past them.

- Just go ahead and put lots of Marijuana in a recipe without first testing out a small batch. Imagine growing all that Marijuana only to have it to be thrown away
- Just leave your Marijuana in the open as air kills the potency of the THC over time.
- Drive or operate anything while under the influence. Jail sucks and having a lifetime knowing that you hurt or killed someone is even worse

Conclusion

This is an introductory book on growing Marijuana, and not the definitive answer on it. This includes the local laws and regulations about Marijuana possession and use. Until you are legally able to have Marijuana it is illegal, period, no exceptions. If there are laws against Marijuana in your area donate to NORML, (National Organization for the Reform of Marijuana Laws), which is trying to make Marijuana legal. Finally be careful on how you grow it and more importantly use it. While Marijuana is a great pain reliever or chemo effects killer, people who use it for that purpose need to stay in the homes as much as possible to prevent harm to themselves. Outside of that, enjoy your trip.