



DEM Pure Certificate

A DEM Pure certificate is given out to those gardeners that are already on the path of ecological sustainability

and growing of high quality healthy medicine and/or food. Having a DEM Pure cert recognizes that a farmer is utilizing sustainable practices. He/she is acting as a steward to the land, soil and the plants. A DEM Pure certified farmer is giving back to his/her community. They are leaders and teachers of beyond organics that uses nature as a guide for his/her techniques. This certificate is not comparable to any organic certification. It encompasses mindfulness and practices that derive from nature, community building and sharing of ideas and techniques, care taking patients and your workers. It is not meant to comply with any other certificate. It does not require the use of DEM products. It recognizes the highest growing practices for healthy, clean medicine.

DEM Pure expectations:

- Absolutely no synthetics. Nothing chemical based. Earth based nutrients only.
- No Hydroponic growing. This is a soil only certificate. Plants grow in soil in nature.

~Extractions~

- No hydrocarbon solvent extractions. These practices harm the earth and have a high chance of harming patients.

- Ice water extraction methods are clean and potent, allowing high quality terpene profiles.
- Alcohol extractions (ACO) made from pure grain alcohol
 - Tinctures
 - steam extracted essential oils
 - Rosin Tech
 - Oil infusions
 - medibles
- Super critical CO2 methods are allowed, and are a high grade botanical extract.

- Using at least 85% plant based nutrients and soil additives. Only 15% of your inputs can be animal products and we encourage you to KNOW your sources.

If you are using animal products in your closed loop system (ex., aquaponics, livestock manure) then you can use any amount you want.

- Have a garden that is for many patients. We will certify dispensary gardens, medical facilities and breeding gardens that will be used for medical gardens. We do not certify personal gardens.

-Having food growing on the property

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Closed Loop Education and Implementation:

- Must use at least 6 closed loop practices. Here is the systems we recognize as a closed loop system. ..

Composted leaf material worm farm:

Recycle all your cannabis leaf material and/or plant based nutrients grown in or on farm/facility grounds. Canna castings are filled with all of the important nutrients that a cannabis plant wants. Reusing these leaves to be easily turned into casting that can be used as a soil ingredient, tea additive or top dressing.

Chipper/Shredder:

Allows for chipping and shredding of the stalks and roots to be used as a soil ingredient. This is wonderful initial aeration amendment. It turns to dirt within 3 complete cycles. Adding stalk and root matter often is a great way to aerate your soil and also add important nutrients.

Plants benefit greatly from decomposing there own matter, feeding the soil food web micro organisms and expanding their colonies.

Growing your own nutrients and/or using landscape/weeds on the farm or facility:

Dedicating an area, plot, pots (either inside or outside) for going of your own nutrients. Utilizing what you grow or what is grown on your property in your tea brews, soil layering and/or soil ingredient. Perennial plants can be

easily grown and harvested several times for teas.

Live Raw Tea Brews:

Fermentation, using cannabis leaf, ice extract leaf and left over ice extract water, weeds or any cultivated plants for the purpose of feeding your plants. This area also includes sprouting seeds and nuts with the intention of using as an ingredient for feeding your plants. Sprouting contains valuable enzymes that give health and vitality to your plants.

Agri-Cultures:

Using beneficial anaerobic cultures used in the fermentation of plants for nutrients. How you can use these as an ingredient to tea brews, fermentation and soil building. We also educate your team on the use of AACT and the many different types of tea brews that are possible with your live raw teas. We will take the time to explain how to make nutrient extracts and concentrates like FPE, FPJ, Activated EM, EM-5, calcium extractions and bokashi.

Soil Building/Re Using soils:

Soil building is a key component to a successful grow.

Building a biologically active soil, how to keep it healthy and how to re-use it so it gets better and better. No-Till principles, methods and garden beds/trenches for indoor and making sure to go in to the ground to for outdoor plants.

Myco Remediation:

Utilizing any symbiotic decomposing fungi, for soil conditioning, soil remediation, and Co₂ exchange.

Garden Giant (King Stropharia) for example is a mycorrhizal fungi, that is an incredible decomposer of plant material, while cleaning and remediating soils.

We use garden giants in our garden beds, enhancing the growth, and general health of the plant. Reishi log culture for burying in your bed. The reishi will colonize the log under ground and fruit an incredibly medicinal fungi and exchange Co₂.

Cover cropping:

Cover cropping brings airborne nutrients directly into the top layer of soil which is the most biologically diverse part of the soil. It aerates the top layer of soil and adds instant food for your upper layer of soil. It is easy to grow out a pot, trench or raised beds right at the base of your plants. Collecting seed from just a few plants will provide your cover crop for a entire season.

This is a easy way to grow your own nutrients and build soil.

Water Recycling;

DEM will educated and create drawings on site appropriate rain catchment systems and steps to conserve water. We will use basic principles of

permaculture to watch your water flow throughout the whole year to gather important information about your water use. Using conservation methods, such as, mulches, cover crops and other water saving tactics. Re using your ice extract water is a fantastic way to reuse your water. It not only is immediately available, it also contains valuable nutrients, trichomes and terpenes that are a great food for your gardens. Using efficient watering methods to minimize water run off.

Soil food web education:

Educate your crew on the importance of a living and thriving rhizosphere. It is a basic paradigm/mind change that focuses on the microbial feeding diet and schedule. Allowing the microbes to feed the plants and have your crew feeding the microbes. We will help explain the carbon to fuel metabolism of beneficial microbial colonies. This is the green to brown/black balance that your soil will need to grow optimal medicine and yields.

Biological system :

We educate on how to properly manage biology to your best advantage. We will help you design the space needed for soil building. Having a tea room or covered area for fermentation and AACT is the way to achieve this. Worm farms are a very important source of

biology, and having a worm farm in your facility allows you to create fresh microlife, in house.

Geothermal:

Is a great way to save and reuse earth temperatures. The offers coolness in the summer and can mimic an air-conditioning unit for min. cost. Creativity with geothermal is possible in every grow facility.

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- Must be care taking the garden/ farm/ property to become more sustainable and and ecologically sound. always thinking up better way to do things.
 - Having mindfulness about all garden inputs. All inputs are organic and healthy for the plants, the earth and the patients. Taking time to look up origin of inputs and what impact it has on the earth and humans.
 - All finished products must be at a fair price.
 - Waste not. Try not to waste material in your gardens that can be reused. Use outside sources of healthy, organic material to put into your systems. Create home

made systems and ideas.

- See your gardening as a Dharma or service to humanity and the earth. Gardening is one of the single biggest acts of protest for consumerism. It allows for community and self sustainability on large and small scales.
- Treat workers and patients with kindness, respectfulness and fairness. Instilling confidence and education on cannabis and beyond organic gardening practices.
- Have a Integrated pest program that is diverse and uses only natural cures. When the going gets tough with unbeneficial pests or microbes, never diverting from what is right over what is right now.
- Agrees to share recipes, practices, techniques with other DEM Pure certified gardeners.

A DEM Pure certificate is beyond organics. It does not go in details about what nutrients to use and what is certified by this and that. It is meant to rise above all of that thought process in gardening. It recognizes cream of the crop growers for their excellence in maintaining and furthering their role as stewards to the plant, soil and earth. We are

leaders in the cannabis community/industry/
community. DEM Pure is a way of gardening
without chemicals, bottled nutrients, over use of
animal products and earth minerals. Having a deep
understanding of the way the living soil feeds all
life and helping that living soil become healthier.
Having a love of cannabis and gratitude for all that
it has given humanity. DEM Pure gardens are
dedicated to the plant world and want to see it
thrive naturally.

A Dragonfly Earth Medicine Pure Certificate can
be used by the company/gardener for proof of high
quality organic medicine and sustainable growing
practices. It is a free certificate and it is only
allowed to be used when you are in strict
compliance with the expectations of this
certificate.

****If you feel you already are compliant and would
like to have a certificate, you will need to set up a
interview with a DEM family member. If you are
not compliant but want to become more compliant,
feel free to email us**

**88@dragonflyearthmedicine.com and we are happy
to help you or reach out to another DEM Pure
certified gardener for help.****