

APOTHECARY

Apothecary is a mod designed to provide herbal remedies and other medicinal preparations more suited to the Neolithic and Medieval epochs. It is designed as a preliminary mod prior to the use of Medical supplements which is more focussed on the synthetic drug making process more associated with the industrial period and after.

As such it can be used as a standalone mod for inclusion in other mod elements that limit the time periods to earlier epochs for gameplay or where the mod theme may be more suited to those time periods.

The drugs are not as capable as the medical supplement mod versions, but still provide a capable solution with a broad spectrum of medicinal preparations for various illnesses and conditions prior to the industrial period.

Where both mods are being utilised, with MS drug versions superseding the apothecary versions with later research, the apothecary items can still be later utilised as a source of income as preferred.

There are several new buildings introduced for this mod:

- Apothecary Table.
- Candle.
- Clothes Washing tub
- Potting mix composting barrel.
- Herb boxes.
- Casting Table.
- Large Casting Table
- Plaster Planter.
- Plaster Bird Bath
- Charcoal Kiln
- Charcoal Generator – More efficient than the wood version.
- Charcoal Smithy - More efficient than the wood version.
- Charcoal Stove - More efficient than the wood version.
- Charcoal Crematorium
- Potash Barrel.
- Passive Cooler (Ammonia treated charcoal).
- Preserving Barrel
- Water Grower

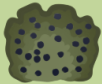
PLANTS

Several additional plants have been added by the mod that are used to gather various herbal materials. They are all wild plants by default that will vary their presence according to biome and with research can be cultivated.



Aloe Vera

Aloe Vera is a succulent plant species of the genus Aloe. An evergreen perennial that grows wild in warmer climates and is cultivated for agricultural and medicinal uses. The harvested material is aloe leaves (a potential food source).



Belladonna

Atropa belladonna, commonly known as belladonna or deadly nightshade, is a perennial herbaceous bush in the nightshade family Solanaceae, which includes tomatoes, potatoes, and eggplant (aubergine). The harvested material is belladonna berries.



Cinchona

Cinchona plants belong to the family Rubiaceae and are large shrubs or small trees with evergreen foliage. The bark has medicinal properties to help with malaria, fevers and infections. The harvested material is cinchona bark.



Garlic

Garlic (*Allium sativum*) is a species in the onion genus, *Allium*. Its close relatives include the onion, shallot, leek and chive. The harvested material is garlic bulbs (a potential food source).



Ginger

Ginger (*Zingiber officinale*) is a flowering plant whose rhizome, ginger root or ginger, is widely used as a spice and a folk medicine. The harvested material is ginger root (a potential food source).



Ginkgo Biloba

Ginkgo biloba, commonly known as ginkgo or gingko, also known as the maidenhair tree, is the only living species in the division Ginkgophyta, all others being extinct. The tree is widely cultivated, and was cultivated early in human history. It has various uses in traditional medicine and as a source of food. The harvested materials are ginkgo seeds (a potential food source) and ginkgo leaves.



Ginseng

Panax ginseng is a slow-growing perennial plant. The root of the plant is used in herbal medicine. The harvested material is ginseng root.



Henbane

Hyoscyamus niger, commonly known as henbane, black henbane or stinking nightshade, is a poisonous plant in the family Solanaceae. The leaves of this plant when prepared has psychoactive properties and can offer relief from pain.



Kale

Kale or leaf cabbage is one of certain cultivars of cabbage (*Brassica oleracea*) grown for their edible leaves. The harvested material is kale leaves (a nutritious food source).



Lavender

Lavandula (common name lavender) is a genus of flowering plants in the mint family, Lamiaceae. The most widely cultivated species, *Lavandula angustifolia*, is often referred to as lavender, and there is a colour named for the shade of the flowers of this species. The harvested material is lavender flowers.



Nettle

Galeopsis, commonly called hemp-nettle or hemp nettle, is a genus of annual herbaceous plants. The harvested material is nettle leaves. Nettle leaves can be used to make nettle hemp, a basic textile like cloth.



Star Anise

Illicium verum is a medium-small sized evergreen tree native to warmer climates. the harvested material is star anise flowers.



St John's Wort

Hypericum perforatum, known as perforate St John's-wort, common Saint John's wort and St John's wort, is a flowering plant in the family Hypericaceae. A calming medicinal herb, the plant is poisonous to livestock. The harvested material is St John's Wort flowers.



Turmeric

Turmeric is a flowering plant, *Curcuma longa* of the ginger family, Zingiberaceae, the roots of which are used in cooking. The roots can be dried and ground into a powder which when steeped to a tea can provide mild pain relief.



White Willow

Salix alba, the white willow, is a species of willow. The name derives from the white tone to the undersides of the leaves. It is a medium-sized to large deciduous tree. The bark is grey-brown, and deeply fissured in older trees. The harvested material is white willow bark.



Wormwood

Artemisia absinthium (wormwood, grand wormwood, absinthe, absinthium, absinthe wormwood) is a species of *Artemisia* native to temperate regions and warmer climates. It is grown as an ornamental plant and is used as an ingredient in medicinal remedies, the spirit absinthe as well as some other alcoholic beverages. The harvested material is wormwood leaves.



Yarrow

Achillea millefolium, commonly known as yarrow or common yarrow, is a flowering plant in the family Asteraceae. It is native to temperate regions and has been used as a feed for livestock. It can also be used to prepare herbal medicine. The harvested material is Yarrow material. (alternative livestock feed).

PRODUCTS

The plant material is then either directly used or as is more common further prepared into various forms. It can be dried and ground into powders or oil extracts taken.



These preparations form component elements in the apothecary drugs. Also some of the drug preparations require alternative sources of material. These include:



Tallow

Animal fat rendered from meat at the butchers table.



Calcium Carbonate

Extracted from limestone or marble rocks at the stonecutting table or can be sourced from eggs as a part of culinary preparations.



Ammonia Water

A by-product of the potting mix barrel composting process.



Sal Ammoniac

Ammonium chloride prepared from heating charcoal. It can be used to prepare ammonia water.



Charcoal

A carbon fuel made from burning wood in a charcoal kiln.



Wood Ashes

Resultant residue from the charcoal making process. Useful for making potash.



Potash

A potassium rich compound used in making soap.



Salt

Coarse rock salt (Halite) can be extracted from stone and used to help clear snow.



Limewater

Limewater is a solution of Sodium or Calcium Hydroxide. It is an alkali that can be used in making soaps.

Alternative uses:

Tallow can be used to make and fuel candles.

Calcium Carbonate (with a small amount of tallow) can be utilised in combination to make a lime plaster. This can be used to make plaster stone blocks to be further used in construction, as materials for tiled flooring or used as a casting material to make alternative art works.

Ammonia water can also be used to treat hay to make the feedstock more edible for animals and with later research can be used to make Neuroamine.

Charcoal can be used to fuel various buildings, like wood use. It can also be treated with ammonia at an apothecary table to be used as a more efficient evaporation fuel in specialised passive coolers.

Wood ash can be thrown from buckets (made at either the Apothecary table or a crafting spot) onto tree growing areas and blighted plants. They will improve the growth rate slightly for trees and remove blight. There is an RFF version that will last a little longer using a composition of wood ash and plant scraps. Note the wood ash/plant scraps thrown onto these growing areas are filth that can be cleaned up, so you will need to manage this.

Calcium Carbonate and **Salt** can be used to make limewater as an alternative to potash when making soaps. Limewater can be prepared/distilled at an apothecary table from alkaline salts once salts has been researched and later at a biofuel refinery in a more efficient manner.

Salt can be used to prepare various meats at a butchers table or spot into a barrel to effectively preserve them. You can similarly extract them later for use as salted meat which will have better preservation properties, but their nutrition will have slightly reduced.

Salt can also be added to the lime plaster tile process to enable a tile that prevents snow build up.

HERB BOXES

To be able to make compost for the herb boxes you need a combination of organic matter (various vegetable food stuffs) and then some material to bulk up the mix. This is normally provided using hay or wood ashes as default but can extend to other materials where other mods are in use.



The potting mix is made at a butcher's table and is then left in a potting mix barrel that you build. This will then slowly breakdown the materials into potting compost, which is the material needed to be able to build herb boxes.

PRESERVING BARREL



The preserving barrel uses the natural process of burying vegetable and plant matter into a mix of dirt, sand and stones (made from stone chunks at stonecutting table) to help preserve the organic material. Using this method effectively doubles the “shelf life” of anything stored within the barrel.

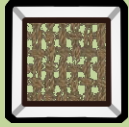
CLOTHES WASHING TUB



The clothes washing tub can be used to manually clean clothes or apparel. Any apparel item that is “tainted” (status from taking an apparel from a corpse) can be cleaned and will remove the taint in the process.

To balance this the apparel will lose quality as a result and the process requires the use of soap for the cleaning process. (There is a mod option to prevent the quality loss if preferred.)

WATER GROWER



The Water Grower is a wooden frame that can be partially submerged into fresh shallow water type terrains and will allow plants capable of being grown in hydroponic systems to be sown in them. The relative fertility the water grower provides is 85% and is available to build after complex herbs are researched.

DRUGS

The drugs themselves are broken down into separate sections as opposed to individual drugs for research. These include:



Herbal Teas

Herbal teas are normally made from a counterpart herbal material that has been dried and ground down into a powder.

Ginger Tea: A useful aid for stomach upsets and helps to prevent gut worms. Effects last about a day.

Ginseng tea: When consumed it help elevate the mood. Effects last about half a day.

Henbane tea: Good for pain relief but can raise aggressiveness and has other psychoactive effects, as well as being slightly addictive. Effects last about a day and a half.

Kale tea: Packed with vitamins. Can ward off food poisoning and the flu. Effects last about a day.

Nettle tea: Helpful to avoid asthma and the flu. Effects last about a day.

Quinine tea: made from powdered cinchona bark this tea is helpful to avoid malaria and acts as a mild antibiotic. Effects last about half a day.

Turmeric tea: a useful aid for mild pain relief. Effects last about a day.



Elixirs

Elixir of Calming: This elixir is a mild anti-depressant. Effects last about a day.

Elixir of Inciting: Derived from henbane, this elixir is very good for pain relief but can raise aggressiveness and has other psychoactive effects, as well as being mildly addictive. Effects last about half a day.

Elixir of Lucidity: This elixir improves concentration and memory. Effects last about a day.

Elixir of Soothing: This elixir is a mild sedative and pain killer. Effects last about a day. (CA: Immunity to headache and restless).



Medicine

Yarrow bandages: bandages made from cloth/nettle hemp infused with yarrow oil. Slightly better medicine than herbal and slightly worse than industrial medicine.

Treated Herbal Medicine can be made from applying yarrow oil and aloe oil to herbal medicine, this is an improved version of the herbal curative.



Ointments

Aloe cream: An antibiotic skin cream designed to help with burn injuries. It is capable of healing permanent burn scars. Healing effects last 1.5 days.

Lavender balm: A sweet smelling ointment that can help with sleep disorders. Effects last about a day.

Lavender Soap: A sweet smelling surfactant cleaning compound used for personal or other cleaning. Effects last about a day.

Scar cream: Scar cream is an antibiotic and regenerative skin cream designed to help with permanent scar injuries. It is capable of healing permanent scars. Healing effects last 1.0 days. Made from a combination of tallow, herbal medicines, Aloe and Yarrow oils.

Yarrow cream: Can be used to prevent wound infections. Effects last about a day.



Salts

Smelling salts: The common name for ammonia salts have strong stimulating properties. The effects are short lived. Also helps with recovery from anaesthetic after the sedated period when the pawn is awake.

Stomach salts: Can be used to settle upset stomachs and lower acid build-up. The effects last about half a day.



Tonics

Flu Tonic: A concoction of herbs that help ward off flu. Effects last for 3 days.

Willow Tonic: A concentrated tincture of white willow that helps ward off malaria and some heart conditions. Effects last for 5 days.

Wormwood Tonic: A concentrated tincture of Wormwood that helps ward off malaria and gut worms. Effects last for 4 days.



Smokes

Henbane Joint: Made from the leaves of the henbane plant these rolled joints are good for pain relief but can raise aggressiveness and has other psychoactive effects, as well as being slightly addictive. The joints are considered as a social drug where used in this way can add some recreation. Note the use of henbane alkaloids can form a dependency. Effects of a single joint last about a half a day.

VANILLA AILMENTS

(IMMUNITIES AND CURATIVES)

Apothecary drugs will apply the following effects to vanilla ailments in addition to their base effects:

Asthma

Nettle tea offers immunity.

Food Poisoning

Kale tea offers immunity.

Flu

Kale tea, Nettle tea and Flu tonic offer immunity.

Gut worms

Ginger tea and Wormwood tonic offer immunity.

Heart artery blockage

Willow tonic offers immunity.

Malaria

Quinine tea, Willow tonic and Wormwood tonic offer immunity.

COMMON AILMENTS

(IMMUNITIES AND CURATIVES)

Apothecary is compatible with the mod common ailments Providing the following effects:

Note that generally a curative may take some time to work.

Common cold

Kale tea, Nettle tea, Quinine tea and Flu tonic offer immunity and act as curatives.

Conjunctivitis

Quinine tea offers immunity and act as curatives.

Fatigue

Smelling salts, Ginseng tea and Willow tonic will offer immunity and act as curatives.

Hay fever

Nettle tea offers immunity and acts as a curative.

Headache

Elixir of Soothing, Elixir of Inciting, Henbane tea, Henbane Joint, Lavender Balm, Turmeric tea and Willow tonic offer immunity and act as curatives.

Indigestion

Ginger tea, Wormwood tonic and Stomach salts offer immunity and act as curatives.

Migraine

Elixir of Inciting and Henbane tea offer immunity and act as curatives.

Minor STD

Aloe cream and Yarrow cream offer immunity and act as curatives.

Phantom pain

Elixir Soothing, Elixir of Inciting, Henbane tea, Henbane Joint, Turmeric tea, Yarrow cream, Willow Tonic offer immunity and act as curative.

Restless

Elixir of Soothing, Lavender Balm and Lavender Soap offer immunity and act as curatives.

Skin Rash

Aloe cream, Yarrow cream and Quinine tea offer immunity and act as curatives.

Sore throat

Quinine tea and Flu tonic offer immunity and act as curatives.

DISEASES OVERHAULED COMPATIBILITY (IMMUNITIES AND CURATIVES)

Apothecary is compatible with the mod Diseases Overhauled and includes some additional changes to allow for apothecary drugs to respond to these additional conditions:

Note that generally a curative may take some time to work.

Common Cold

Quinine tea, Nettle tea, Kale tea and Flu Tonic can all act as a curative and offer immunities.

PTSD

Elixir Calming will offer immunity and act as a curative.

Sepsis

Quinine tea will offer immunity for this condition.

Stomach Ulcer

Stomach salts can offer immunity from this condition.

Stupor

Smelling salts act as a curative and offers immunity.

Suicide (Preparation)

Elixir Calming will offer immunity to this condition.

Toothache

Quinine tea will offer immunity for this condition.

Unease

Elixir Calming will offer immunity to this condition.