

I'm not a robot



Dna manipulation planet crafter

I always wanted to unlock the potential of genetic engineering, but faith had me be a planet crafter. In this guide, I will show you how to use the DNA Manipulator to create life-sustaining trees and more in The Planet Crafter. Operating the DNA Manipulator involves selecting a genetic recipe and combining specific ingredients to produce enhanced tree seeds. Here's the step-by-step process: Image via Timien YouTube Interact with the DNA Manipulator's top screen to select a recipe. Gather the necessary ingredients: A specific seed Tree Bark Mutagen Interact with the lower console, placing the three ingredients in the designated slots. Initiate the sequencing process to create the new tree seed. To access the DNA Manipulator, you must reach a Terraformation Index of 700.00 MTI. Crafting this advanced equipment requires the following: Image via Timien YouTube 1 Bioplastic Nugget 1 Super Alloy 1 Explosive Powder 1 Osmium 1 Zeolite Once crafted, the DNA Manipulator consumes 117.50 energy per second to operate. Related: Where to find aluminum in The Planet Crafter The DNA Manipulator in The Planet Crafter is a crucial tool for terraforming, allowing players to genetically engineer tree seeds. These trees are not just for decoration, they play a crucial role in oxygen production, essential for making the planet habitable. Crafting a DNA Manipulator also gives you the Genetic Engineer achievement in the game. The DNA Manipulator enables the production of various tree seeds, each with distinct oxygen multipliers. Some of the generatable tree seeds include: Tree Seed Linifolia Tree Seed Aleatus Tree Seed Cernea Tree Seed Elegaea Tree Seed Humelora Tree Seed Aemora Tree Seed Soleus Tree Seed Shreox Tree Seed Ploom (Secret) After crafting the tree seeds, plant them using a Tree Spreader to begin their growth. Each tree type contributes differently to the oxygen production on your terraformed planet, aiding in the creation of a breathable atmosphere. Looking for more crafting guides for The Planet Crafter? You've come to the right place! Have a look at Best resources in The Planet Crafter and Is there multiplayer in The Planet Crafter? here on Pro Game Guides! Follow us on Twitter and Facebook to get updates on your favorite games! The Planet Crafter > General Discussions > Topic Details How do you use the DNA manipulator, and how do you craft tree seeds? I've already got the one tree seed I found planted, and I've got larvae spawning, got some bees and butterflies. I unlocked the recipe to craft more tree seeds but I've no idea where. I also have no idea how to use the DNA manipulator, as the game just tells you nothing. Tried putting various seeds plus mutagens plus fertilizer or water or algae, and nothing The DNA manipulator has two screens. The lower one is where you input items and start the craft. The upper one (near the top) shows you the recipes (at least the ones you know so far), including tree seeds. A lot of players miss the upper screen; perhaps it should be more obvious.... Note: This is ONLY to be used to report spam, advertising, and problematic (harassment, fighting, or rude) posts. Reddit and its partners use cookies and similar technologies to provide you with a better experience. By accepting all cookies, you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. By rejecting non-essential cookies, Reddit may still use certain cookies to ensure the proper functionality of our platform. For more information, please see our Cookie Notice and our Privacy Policy. Note: This is ONLY to be used to report spam, advertising, and problematic (harassment, fighting, or rude) posts. Planet Crafter isn't a god game, but you'll still need to embrace your inner deity. That's because we're creating life. Actually, we're manipulating DNA using (you guessed it) the DNA Manipulator. The result? Beautiful, genetically modified trees. Making the world greener isn't just for aesthetics in this terraforming sim. Trees are also essential for oxygen production, an essential step in creating a breathable world fit for habitation. Just ask Subnautica fans how things go when the O2 runs out. From the seed of an idea to actual seeds, here's how to use the DNA Manipulator in Planet Crafter. (Updated on April 11th, 2024 - updated images and streamlined crafting process) Image Source: Serrroh YouTube via The Nerd Stash No matter how good a geneticist you are, your science dreams won't get far in Planet Crafter if you don't have a DNA Manipulator. First, you'll need to unlock its blueprint and gather the ingredients to craft this device. In addition to the required components, you'll also need -117.5 Energy/s to power it. Here are the ingredients you'll need to craft the DNA Manipulator: IngredientHow to ObtainSuper Alloy x1Combine Cobalt, Iron, Magnesium, Silicon, Titanium, and Aluminum in an Advanced Craft Station.Bioplastic Nugget x1Find Bioplastic Nuggets in crates or craft them in the Biolab using a Water Bottle, Silicon, and two Mushrooms. Explosive Powder x1Combine Iridium and two stacks of Sulfur in the Biolab.Zeolite x1Harvest this mineral after reaching Flora.Osmium x1Mine Osmium in caves or loot it from crates. Once you've crafted a DNA Manipulator it serves as a workstation for creating tree seeds with enhanced Oxygen-production capabilities. At first, it can be hard to figure out how to use the DNA Manipulator in Planet Crafter because it has two interactable screens. The bottom screen reads "Open DNA Manipulator," while the top reads "Show DNA Recipes." Here's what you need to do to use this device: Interact with the top screen Choose a DNA recipe you want to craft Collect the ingredients you need Interact with the bottom screen Place the three ingredients inside (pictured above) Press "Research" Press "Start Sequencing" Once the Sequencing gauge reaches 100%, remove the product Related:All Crafting Materials in Sons of the Forest (& How To Get Them) Two of the three ingredients (Tree Bark and Mutagen) are the same for every recipe. It's only the third ingredient (the seed) that changes. Different trees have different Oxygen multipliers, but feel free to start growing even if you don't have the absolute best seeds. There's plenty of time to get that Golden Seed and its 600% Oxygen multiplier later. When you finish creating your tree seed, place it in a Tree Spreader to start the growth process. Keep it up and you'll have your very own Amazon in no time. Planet Crafter is available on PC. Insert it in a genetic synthesizer to create a new creature. Usage[] Three to eight Genetic Traits are combined in a Genetic Synthesizer to create Creature DNA. This DNA can then be placed into an Animal Shelter to spawn an animal. Obtaining[] Genetic traits can be Types[] There are eight different types of genetic traits, which influence eight different aspects of the animal. Species Trait[] This controls which species the new animal will belong to. This trait is mandatory. It can be obtained from basic larvae. Species Genetic Traits Species Source Description Image 1 Bee Larva (Sharky) Eight-legged amphibian 2 Silk Worm (Allyca) Four-legged cat-like with long tail 3 Rare Larva (Tilopina) Four-legged deer-like 4 Loot [1] (Snoober) Four-legged beetle-like 5 Petting (Muthus) Four-legged ox-like 6 Osbe Larva (Hydrequs) Six-legged lizard-like (Humble DLC Only) Screenshots for all species, no extras Color A Trait[] This defines the primary color of the new animal, which is its belly color. The color on the animal looks slightly different from the color in this list. This trait is mandatory. It can be obtained from butterfly larvae. Color B Trait[] This defines the secondary color of the new animal, which is the color of its backside. The color on the animal looks slightly different from the color in this list. This trait is mandatory. It can be obtained from Fish eggs or flower seeds. Color B Genetic Traits Color Source Description Image Fish Khrom eggs Black Fish Gerrero eggs Blue Plant Orema Brown Fish Ulani eggs Purple Seed Pestera Turquoise Fish Provios eggs Green (mint) Fish Vilnus eggs Beige Seed Shanga Red Seed Nulna Pink Seed Tuska Yellow Skin Pattern Color Trait[] This defines the color of the skin pattern of the new animal. The color on the animal looks slightly different from the color in this list. This trait is optional, and will only be expressed if the animal actually has a skin pattern gene. It can be obtained from frog eggs. Skin Pattern Color Genetic Traits Color Source Description Image Frog Trajuu eggs Blue (indigo) Frog Amedo eggs Teal Frog Felicianna eggs Blue Frog Huli eggs Green Generic Frog eggs Black Loot (70 %) [1] Brown Frog Cillus eggs Purple Frog Aiolus eggs Red Frog Strabo eggs Yellow Frog Afae eggs White Skin Pattern Trait[] This defines the skin pattern of the new animal. This trait is optional. It can be obtained from butterfly larvae. Skin Pattern Genetic Traits Pattern Source Description Image 1 Butterfly Futura larva Large spots with sideline 2 Butterfly Imeo larva Thick stripes and shaded sideline 3 Butterfly Serena larva Rows of tiny, subtle rosettes 4 Loot (20 %) [1] Reticulated 5 Loot (10 %) [1] Tiger stripes Screenshots for species 1 skin patterns (bioluminescent white on black) Species 1 with pattern 1 - large spots with sidelineSpecies 1 with pattern 2 - thick stripes and shaded sidelineSpecies 1 with pattern 3 - rows of tiny, subtle rosettesSpecies 1 with pattern 4 - reticulatedSpecies 1 with pattern 5 - tiger stripes Variant Trait[] This defines some extra features of the new animal. This trait is optional. It can be obtained from treasure crates or by petting animals. Variant Genetic Traits Variant Source Species 1 Species 2 Species 3 Species 4 Image 1 Loot [1] Simple horns Back and joint spines Ox like horns Knobly antenna 2 Loot [1] Simple spikes Two head petals Single crested horn Forked horn 3 Loot [1] Simple horns and spikes Spines and two head petals Layered back and tail scales Knobly antenna and forked horn 4 Loot [1] Complex horns Four head petals Crested horn, back and tail scales Ornamented dorsal shield 5 Loot [1] Complex horns and spikes Spines and four head petals Ox horns, back and tail scales Knobly antenna, forked horn and dorsal shield Screenshots for species 1 variants Species 1 with no variant - no extrasSpecies 1 with variant 1 - simple hornsSpecies 1 with variant 2 - simple spikesSpecies 1 with variant 3 - simple horns and spikesSpecies 1 with variant 4 - complex hornsSpecies 1 with variant 5 - complex hornsSpecies 2 with no variant - no extrasSpecies 2 with variant 1 - back and joint spinesSpecies 2 with variant 2 - two head petalsSpecies 2 with variant 3 - spines and two head petalsSpecies 2 with variant 4 - four head petalsSpecies 2 with variant 5 - spines and four head petals Screenshots for species 3 variants Species 3 with no variant - no extrasSpecies 3 with variant 1 - ox like hornsSpecies 3 with variant 2 - single crested hornsSpecies 3 with variant 3 - layered back and tail scalesSpecies 3 with variant 4 - crested horn, back and tail scalesSpecies 3 with variant 5 - ox horns, back and tail scales Screenshots for species 4 variants Species 4 with no variant - no extrasSpecies 4 with variant 1 - knobly antennaSpecies 4 with variant 2 - forked hornsSpecies 4 with variant 3 - knobly antenna and forked hornsSpecies 4 with variant 4 - ornamented dorsal shieldSpecies 4 with variant 5 - knobly antenna, forked horn and dorsal shield Screenshots for species 5 variants Species 5 with no variant - no extrasSpecies 5 with variant 1 - large hornsSpecies 5 with variant 2 - small hornsSpecies 5 with variant 3 - small horns along backSpecies 5 with variant 4 - circular hornsSpecies 5 with variant 5 - large horns along back Bioluminescence Trait[] This determines how brightly your new animal glows. This trait is optional. It can be obtained from various items (see table below). Bioluminescence requires a skin pattern. Un-patterned animals will not express bioluminescence even if they have a gene for it. Higher grades of bioluminescence glow more brightly. Bioluminescence Genetic Traits Level Source Image 1 Golden Seed 2 Golden frog eggs 3 Butterfly Golden larva 4 Golden fish eggs 5 Magnetar Quartz 6 Quasar Quartz 7 Loot (20 %) [1] 8 Loot (10 %) [1] 9 Loot (8 %) [1] 10 Loot (5 %) [1] Size Trait[] This defines the maximum size of the new animal. This trait is optional. It can be obtained from various items (see table below). The actual size of an animal is determined by multiplying the value of the "Size" trait with its current growth value. A freshly spawned animal has a growth value of 30% which will gradually increase over time if the animal is not hungry. Size Genetic Traits Level Source Image 1 Common Larva 2 Uncommon Larva 3 Plant Volnus 4 Loot (60 %) [1] 5 Loot (40 %) [1] References[] I always wanted to unlock the potential of genetic engineering, but faith had me be a planet crafter. In this guide, I will show you how to use the DNA Manipulator to create life-sustaining trees and more in The Planet Crafter. Operating the DNA Manipulator involves selecting a genetic recipe and combining specific ingredients to produce enhanced tree seeds. Here's the step-by-step process: Image via Timien YouTube Interact with the DNA Manipulator's top screen to select a recipe. Gather the necessary ingredients: A specific seed Tree Bark Mutagen Interact with the lower console, placing the three ingredients in the designated slots. Initiate the sequencing process to create the new tree seed. To access the DNA Manipulator, you must reach a Terraformation Index of 700.00 MTI. Crafting this advanced equipment requires the following: Image via Timien YouTube 1 Bioplastic Nugget 1 Super Alloy 1 Explosive Powder 1 Osmium 1 Zeolite Once crafted, the DNA Manipulator consumes 117.50 energy per second to operate. Related: Where to find aluminum in The Planet Crafter The DNA Manipulator in The Planet Crafter is a crucial tool for terraforming, allowing players to genetically engineer tree seeds. These trees are not just for decoration, they play a crucial role in oxygen production, essential for making the planet habitable. Crafting a DNA Manipulator also gives you the Genetic Engineer achievement in the game. The DNA Manipulator enables the production of various tree seeds, each with distinct oxygen multipliers. Some of the generatable tree seeds include: Tree Seed Linifolia Tree Seed Aleatus Tree Seed Cernea Tree Seed Elegaea Tree Seed Humelora Tree Seed Aemora Tree Seed Soleus Tree Seed Shreox Tree Seed Ploom (Secret) After crafting the tree seeds, plant them using a Tree Spreader to begin their growth. Each tree type contributes differently to the oxygen production on your terraformed planet, aiding in the creation of a breathable atmosphere. Looking for more crafting guides for The Planet Crafter? You've come to the right place! Have a look at Best resources in The Planet Crafter and Is there multiplayer in The Planet Crafter? here on Pro Game Guides! Follow us on Twitter and Facebook to get updates on your favorite games! The Planet Crafter drops you off in the center of a barren planet devoid of plants, animals, bugs, and even bacteria. In order to complete your quests and make the planet habitable, you will need a variety of machines, from machine optimizers to recycling machines to nuclear power plants. One of the many you will want to make to fill your planet with life is a DNA Manipulator. This is a fairly late-game item, but using it is important for making new insects, animals, and plants. Related Thanks to the "Procedural Wrecks" update, you can explore an effectively unlimited number of shipwrecks in The Planet Crafter. How to Unlock the DNA Manipulator in The Planet Crafter The DNA Manipulator Machine unlocks in the Terraformation Blueprints menu. It requires that you get to 700 MTI in Terraformation before it will automatically be available in your Q menu. This can be built using one Super Alloy, one Bioplastic Nugget, one Explosive Powder, one Zeolite, and one Osmium. In order to use this machine, you will need one Tree Bark from the Biodome, one Mutagen, and a plant seed. You can make tree seeds this way, here are all the recipes for tree seeds in The Planet Crafter. Lirma seeds make Soleus trees. Shanga seeds make Linifolia trees. There are also some Linifolia trees hidden in shipwrecks as well. Pestera seeds make Aleatus trees. Nulna seeds make Cernea trees in this cozy sci-fi game. Tuska seeds make Elegaea trees. Orema seeds make Humelora trees. Volnus seeds make Aemora trees. Golden seeds make Ploom trees. Mutagen T2 makes Shreox trees. There is also a single Itera seed that can be found in the wreck that brought Ikhlas to the planet. It's hidden behind a wall that you can destroy with your deconstruction tool in The Planet Crafter. To use this machine, you will need to interact with the screen with the DNA helix on it; the other screen is a recipe screen. The DNA menu will have three slots inside. You will need to add one Mutagen, one Tree Bark, and one seed that is in your recipe list. You will not have all the recipes above to start with. The DNA Manipulator takes a few minutes to work, but just find something else to do for a bit. When you come back, you will have a fresh tree seed waiting for you inside the DNA screen. This can be used in a Tree Spreader, which unlocks at 45.00t Biomass, right after the T2 Food Grower. You can also get a T2 Tree Spreader at 6ppm Oxygen. In the vast expanses of virtual space exploration and survival, the Planet Crafter DNA Manipulator stands as a pivotal tool for players aiming to reshape and thrive on alien terrains. This innovative feature not only revolutionizes the way individuals interact with their environment but also opens doors to unparalleled customization and strategic gameplay. Understanding how to leverage the Planet Crafter DNA Manipulator effectively can significantly enhance a player's experience, allowing them to manipulate the genetic blueprint of flora and fauna to their advantage. As such, mastery of this tool is crucial for those looking to leave their mark on the planets they terraform.This article will delve into critical aspects of the Planet Crafter DNA Manipulator, starting with the initial steps required to unlock this powerful device. Following that, readers will be guided through the process of gathering the necessary materials, which includes the often sought-after Planet Crafter explosive powder, vital for certain DNA manipulator recipes. The usage of the manipulator will be explained in detail, providing insights into the mechanics of altering life forms to better suit the needs of the environment. Advanced tips and best practices will further equip players with the knowledge to optimize their use of the DNA Manipulator. By the conclusion, readers will be well-versed in not only operating the manipulator but doing so in a way that maximizes both efficiency and effectiveness in their planetary endeavors.Unlocking the DNA ManipulatorTo unlock the DNA Manipulator in Planet Crafter, players must first achieve a Terraformation Index of 700.00 MTI. Once this milestone is reached, the DNA Manipulator becomes accessible through the Terraformation Blueprints menu and can be added to your inventory via the Q menu. Crafting this essential device requires specific materials: 1 Super Alloy, 1 Bioplastic Nugget, 1 Explosive Powder, 1 Zeolite, and 1 Osmium. Additionally, the DNA Manipulator consumes energy at a rate of -117.50/s, making energy management a crucial aspect of its operation. The crafting process itself takes approximately 240 seconds, or 4 minutes, for items like the Lirma Seed and Shreox Tree Seed.Gathering the Required MaterialsTo construct the DNA Manipulator in Planet Crafter, players need to gather several specific materials: Super Alloy: Found in crates, especially at higher Terraformation Indexes, or mined in the Super Alloy Cave with an Ore Extractor T2. Bioplastic Nugget: Crafted in the Biolab using two mushrooms, one silicon, and one water bottle. These can also be found in storage crates within wrecks. Explosive Powder: Essential for various upgrades and the DNA Manipulator. Crafted in the Biolab using two sulfur and one iridium, which are found near Osmium caves. Zeolite: After reaching the Flora terraforming stage, Zeolite can be mined from the Zeolite Cave using an Ore Extractor T2 or found in crates after the Moss terraformation stage. Osmium: Located in the same caves as aluminum and iridium, Osmium is crucial for crafting high-end machines. Each material plays a pivotal role in the successful assembly and operation of the DNA Manipulator, enhancing the player's ability to manipulate the genetic makeup of the planet's flora and fauna.Using the DNA ManipulatorUnderstanding the DNA Manipulator InterfaceTo effectively use the DNA Manipulator in Planet Crafter, players must familiarize themselves with its dual-screen interface. The top screen displays available DNA recipes, crucial for the crafting area where players input necessary items—Tree Bark, Mutagen, and a specific seed—to initiate the crafting process.Selecting and Crafting DNA RecipesOnce the necessary materials are gathered, players interact with the top screen to select a desired DNA recipe. After choosing the recipe, they place the three ingredients into the slots on the bottom screen and press the "Research" button. The DNA Manipulator takes a few minutes to sequence the DNA, culminating in the production of a new tree seed, which can be used in a Tree Spreader to enhance the planet's biomass and oxygen levels.Advanced Tips and Best PracticesTo maximize the efficiency of the Planet Crafter DNA Manipulator, players should pay close attention to the dual-screen interface. The top screen, often overlooked, displays vital recipe information which is crucial for crafting specific tree seeds. Ensuring visibility of this screen by adjusting the in-game view can save hours of trial and error.Optimizing Tree Seed ProductionFor optimal tree seed production, players need to ensure they have a T2 Biodome, which is essential for producing Tree Bark, a key ingredient in many tree seed recipes. Regularly checking the crafting table for updates on multipliers and ingredient requirements can significantly enhance the yield and effectiveness of produced seeds.Troubleshooting Common IssuesCommon issues often arise from missing the upper screen's recipe display, leading to incorrect sequences. A recommended practice is to position oneself closer to the interface to ensure both screens are within view. Additionally, labeling containers for easy identification of ingredients like Tree Root and Flower Seeds can streamline the process and prevent common crafting errors.ConclusionThroughout this article, we have journeyed through the nuances of mastering the Planet Crafter DNA Manipulator, from unlocking this cutting-edge tool to curating the perfect array of materials for its operation. The insights provided illuminate the depth of strategy and customization available within the game, showcasing how players can significantly influence the biosphere of extraterrestrial realms. By embracing the advanced tips and best practices outlined, players are equipped to transcend basic gameplay, venturing into the realm of creating thriving ecosystems through meticulous genetic manipulation.The implications of effectively utilizing the DNA Manipulator stretch far beyond mere game mechanics, offering a glimpse into the complexities of terraforming and ecological balance. This knowledge not only enriches the gaming experience but also offers valuable lessons on the impact of genetic modifications in a controlled environment. As enthusiasts delve into the world of Planet Crafter, they carry with them the potential to innovate, experiment, and ultimately shape the virtual planets in ways that mirror the grandiosity of space exploration and environmental stewardship.FAQs1. How do I operate the DNA manipulator in Planet Crafter?The DNA manipulator is equipped with two screens. Use the lower screen to input items and initiate crafting. The upper screen displays available recipes, including those for tree seeds, which are crucial as you progress. It's important to pay attention to the upper screen, though it may not be immediately noticeable.2. What are some effective strategies for playing The Planet Crafter?Here are several strategies to enhance your gameplay: Always explore your surroundings to gather resources and understand the terrain. Choose a strategic location for building structures. Promptly repair any damaged solar panels, especially in the early stages of the game. Utilize beacons with labels to mark important locations or resources. Always carry sufficient food and water, particularly on standard or higher difficulty levels. Avoid risky actions such as jumping from high places or moving out of the game's designated boundaries. 3. How do drones function in Planet Crafter?Drones in Planet Crafter operate on a supply and demand basis. When a material is listed in both a supply and a demand order, drones will transport the material from the supply container to the demand container. This process continues until the demand container is filled or the supply container runs out of materials.4. How can I acquire genetic traits in Planet Crafter?Genetic traits can be acquired through several methods: Searching treasure crates scattered throughout the game. Using a Genetic Extractor where specific Items must be inserted to create traits. Randomly by petting animals encountered during gameplay. Manipulates DNA to create new genes Requirements[] Unlocks when Terraformation Index reaches 700.00 MTI. Cost[] Power Use[] Energy: -117.50/s [Used] Unlocked recipes for genetic manipulation can be viewed using the left console (hexagons). Tree seed unlock requirements generally involve an increasing amount of insect biomass. The right console (double helix) has three item slots. To produce an tree seed the player has unlocked, they must insert three items: Tree bark Mutagen A specific flower seed An example result might be Seed Nulna becoming Tree Seed Cernea. For a full list of seeds and their unlock requirements, refer to this page. Crafting time : 240 Seconds or 4 minutes, (tested on Lirma Seed & Shreox Tree Seed) See also: Category:Build/DNA Manipulator Crafting Table[] Tree Seed Table Image & Name Multiplier Ingredients Seed Lirma 100 % Fertilizer • Phytoplankton A[1] Aemora 400 % Plant Volnus Aleatus 125 % Seed Pestera Cernea 150 % Seed Nulna Elegaea 175 % Seed Tuska Humelora 250 % Plant Orema Itera 125 % - Lillia 1200 % - Linifolia 125 % Seed Shanga Ploom 350 % Golden Seed[2] Prunea 1200 % - Rosa 600 % - Shreox 450 % Mutagen T2 Soleus 125 % Seed Lirma 1 • This recipe does not use Tree Bark 1 • This secret recipe is not shown by the DNA Manipulator Gallery[] A DNA Manipulator in-game.

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